**IBM PC Institute** 

# IBM

# Personal Systems Reference IBM ThinkPad Notebooks 1992 to 2001 - withdrawn

January 2001 - Version 214



#### IBM ThinkPad<sup>®</sup> 240 - withdrawn

IBM <sup>®</sup> ThinkPad <sup>®</sup>				
Processor Processor features L2 cache Diskette drive CD-ROM DVD-ROM	No upgrade / processor on E 128KB / onboard (full spee External 3.5" 1.44MB / conn Option: External CD-ROM /	<b>D, 366, or 400MHz</b> <sup>1</sup> / 66MHz system bus Ball Grid Array (H-PBGA) ed) / synchronous pipelined burst / ECC ects to left side with FDD port / includes via Portable Drive Bay and 24X-10X <sup>5</sup> CI / via Portable Drive Bay and DVD-ROM	/ write-back case and cable D-ROM UltraslimBa	ay Drive
	<ul> <li>2609-21U</li> <li>Celeron 300MHz</li> <li>6.4GB<sup>4</sup> / 13ms read / Ultra E</li> <li>Windows 98<sup>7</sup></li> <li>June 1999 / February 2000</li> </ul>	Windows 98 <sup>7</sup> SE November 1999 / February 20	12.0GI Windo	9-41U on 400MHz B / 12ms read / ATA-66 or PIO4 ws 98 <sup>7</sup> SE rry 2000 / February 2001
Display - size and type Display - technology	e 10.4" TFT color (264.16mm) SVGA / 800x600 / 15ms refr 16.7 million simultaneous of			
Graphics - controller	2MB / SGRAM (embedded)			
Graphics - features Memory - std / max Memory - features	64MB / 192MB <sup>33</sup> SDRAM / non-parity / 66MHz 1 available socket for JEDE	C 144-pin SO DIMM / std memory solde	red to	WINDOWS 98 PRELOAD <sup>16</sup>
Disk controller / disk Keyboard	EIDE / PCI 2.1 / supports or disk for upgrade (by removing	sed by removing three screws and keyl ne internal disk / customer can remove g three screws on base) ze of current standard ThinkPad keyboar	rds / - Micro eds / - Micro or Mic Editio • Online	soft <sup>®</sup> Windows <sup>®</sup> 98 (Model 21U) crosoft <sup>®</sup> Windows <sup>®</sup> 98 Second n (Model 31U and 41U) e User's Guide
Pointing	,,	t / Release-to-Select / dragging / click pa	ce / • Think	Pad Configuration Program Pad Utilities Pad on the Net
Dimensions Weight <sup>2</sup> Case material	Approximately 2.98 lbs (1.35	casing / Top: carbon-fiber reinforced pla	• Acces • IBM U • RingC • IBM F	ss ThinkPad Jpdate Connector Central Fax Registration
Battery - type Battery - life <sup>10</sup> Charge time <sup>10</sup>	Li-lon (3 cell) / intelligent / lef 21U: 1.9 hrs 31U: 1.8 hrs Optional 6 cell battery 3.8 hrs 3.5 hrs on / 3.0 hrs off		<ul> <li>Netsc</li> <li>PC-D</li> <li>Configure</li> </ul>	gSafe®
Architecture Docking station	Intel 440DX PCIset / Intel 82 Texas Instruments® TI1211 F PCI 2.1 / 32-bit / 33MHz (EID ISA (diskette, serial, parallel, None	,	a, USB) IR, I/O) em) ◆Softw ◆Lotus ◆Recov	n AntiVirus™ (OEM Version) traal Management Services (web) trare Selections CD © SmartSuite Millennium CD very CD-ROM (Windows 98) very CD-ROM (Windows 95) <sup>7</sup>
Port replicator PC Card Std slots USB / serial / parallel Other features	One USB / one 9 pin; 16550 APM-aware BIOS / Ultraslim	ady on back of system) is 32-bit / PCMCIA 2.1 / no Zoomed Video A / one (IEEE P1284-A, EPP, ECP, bidiro AC adapter, barrel, 3-prong, 56 watts	support	
Video (TV) out MPEG decoder Data/fax modem	None None (software support for I 56K <sup>37</sup> V.90 / integrated in sy Lucent 1646 / not voice-cap	stem / Mini PCI Type IIIb / able		
Audio Speaker Audio features Audio in/out jacks Infrared ports	One internal speaker (.5 wa Internal microphone / Fn+Ins Microphone jack (mono) / he Infrared port on right side / I	sert and Fn+Delete volume control with eadphone jack (stereo) / line-in jack (ste rDA 1.1 compatible / up to 4Mbps	reo)	
Security Limited warranty <sup>11</sup> Service options <sup>15</sup>	1 year - carry-in or ThinkPac	password / disk password / security keyh d EasyServ <sup>TM31</sup> (door-to-door depot repain day (72 cities) / serv up to 5 yrs from purcl	service)	re S.M.A.R.T. <sup>29</sup> compliant
Color depth LCD	External Monitor	OPTIONS		FEATURES
640x480 16M 10 800x600 16M 10 1024x768* 64K 64	6M 16M 16M - 6M 16M 16M - 4K 64K 64K	64MB SO DIMM 3.3v NP SDRAM 128MB SO DIMM 3.3v NP SDRAM 12GB disk, 12ms read, ATA-66 High-capacity 6-cell Li-Ion Battery	20L0241 DMI 2.0 01K1150 PC 98 c 05K9245 ACPI re 02K6580 Setup 0	or Management 1.1a compliant compliant ompliant ady (APM enabled) Guide, User's Reference, Windows
* Virtual screen mode	e on 10.4" LCD  -	V.90 PC Card Modem with XJACK <sup>24</sup>	10L7393 System	anual, and Quick Reference Card Status Indicators
All models: - C: drive is FAT16 of - D: drive is FAT32 of	2GB - remaining space -	Cellular Capability <sup>24</sup> 10/100 Ethernet CardBus PC Card 10/100 EtherJet plus 56K modem <sup>37</sup>	Plug an 08L3147 Standby 08L3167 hibern	witch on bottom d Play 1.0a y, suspend, redisafe, and lation modes iY STAR compliant
Pressing F1 during st BIOS Setup Utility - ThinkPad Proven™	tartup brings up IBM - - - - - - - - - - - - - - - - - - -	Smart Card Security Kit IBM Portable Drive Bay (UltraslimBay) Zip 100MB UltraslimBay Drive SuperDisk LS-120 UltraslimBay Drive DVD-ROM UltraslimBay Drive 24X-10X CD-ROM UltraslimBay Drive IBM MultiPort USB Hub	33L5075 Internat 37L1511 IBM Sys 37L1507 24 hour 20L1929 board 05K8890 (www. 05K9122 00N8215	ional Warranty Service <sup>14</sup> stemXtra <sup>®.35</sup> / 7 day <sup>30</sup> telephone, bulletin , fax, electronic, and Internet .ibm.com/pc/us) support
www.ibm.com/pc/us	s/tninkpad/proven)		28L3670	ovprossed or implied in this summary

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#### IBM ThinkPad® 240X - withdrawn

IBM <sup>®</sup> ThinkPad <sup>®</sup>					
Processor L2 cache Diskette drive CD-ROM LS-120 and CD-RW Type-model Processor Disk - size / ms Preload (see side) Available date	Celeron: <b>128KB</b> / onboard External 3.5" 1.44MB / cor Option: External via USB	50MHz <sup>1</sup> or Intel Mobile Pentium (at processor speed); Pentiun processor speed); Pentiun port or via Portable Drive Bay 200 ble Drive Bay 2000 and drive opti 2609-52U Celeron 450MHz DMA/33 or PIO Mode 4 Windows 2000 June 2000	n III: 256KB / onbo includes case and 00 and 24X-10X <sup>5</sup> C on / no support for 2609-61U Pentium III 500M	bard (at processor speed) d cable CD-ROM Ultrabay 2000 Drive DVD in the Portable Drive Bay 2609-62U Pentium III 500MHz ead / ATA-66 or PIO4	
Display - size and type Display - technology	e <b>10.4" TFT color</b> (264.16mr <b>SVGA</b> / 800x600 / 15ms re 16.7 million simultaneous o	n) <b>/ Active Matrix</b> fresh (typical) / 50 to 110 nits colors / 150 to 1 contrast (typical)			
Graphics - controller Graphics - features	Silicon Motion <sup>®</sup> Lynx EM 2MB / SGRAM (embedded Simultaneous LCD and CF	+ <b>SM712G</b> <sup>™</sup> / DDC2B / I) / color space conversion / mult IT <sup>26</sup> / 180 degree tilt / external SV	ple monitor suppo GA to 1024x768 w	rt <sup>26</sup> for Windows 98 ith 65,536 colors	
Memory - std / max Memory - features		IHz / 3.3 volt / 64-bit EC 144-pin SO DIMM / std memossed by removing three screws		WINDOWS 98 PRELOAD <sup>16</sup>	
Disk controller / disk Keyboard	EIDE / PCI 2.1 / supports disk for upgrade (by remov	one internal disk / customer can r	emove	<ul> <li>Microsoft<sup>®</sup> Windows<sup>®</sup> 98 Second Edition</li> <li>Online User's Guide</li> <li>ThinkPad Configuration Program</li> </ul>	
Pointing	TrackPoint <sup>®</sup> / Press-to-Sele sensitivity / spare caps	ect / Release-to-Select / dragging	/ click pace /	ThinkPad Utilities     Access ThinkPad	
Dimensions Weight <sup>2</sup> Case material	51U/52U: approximately 2 61U/62U: approximately 3	c inches) / 260mm x 202mm x 26 98 lbs (1.35 kg) with battery and .28 lbs (1.49 kg) with battery and ™ casing / Top: carbon-fiber reinf ed plastic	disk disk	<ul> <li>IBM Update Connector</li> <li>PC-Doctor</li> <li>ConfigSafe<sup>®</sup></li> <li>Norton AntiVirus<sup>™</sup> (OEM Version)</li> <li>Universal Manageability Services (web</li></ul>	
Battery - type Battery - life <sup>10</sup> Charge time <sup>10</sup>	51U/52U: Li-Ion (3 cell); 6	1 <i>U/62U:</i> Li-Ion (6 cell); <i>All:</i> intelli 1 <i>U/62U:</i> 4.2 hrs	gent / left side		
Architecture Docking station Port replicator PC Card Std slots USB / serial / parallel Other features Video (TV) out Data/fax modem Audio Speaker Audio features Audio in/out jacks Infrared ports Security	chip / TI1211 PCMCIA con PCI 2.1 / 32-bit / 33MHz (E ISA (diskette, serial, parall None None (all standard ports al 1 Type I or 1 Type II / Cardl One USB / one 9 pin; 1655 72 watt AC adapter None 56K <sup>37</sup> V.90 / Mini PCI Type 16-bit SoundBlaster Pro™ AC97 codec One internal speaker (.5 w Internal microphone / Fn+  Microphone jack (mono) / Infrared port on right side /	ready on back of system) Bus 32-bit / PCMCIA 2.1 / no Zoon 0A / one (IEEE P1284-A, EPP, E 111b / Lucent 1646 support / CS4281 PCI audio / CS	D) / udio, modem) ned Video support CP, bidirectional) 64297A trol with mute jack (stereo) ps	WINDOWS 2000 PRELOAD <sup>16</sup> - Windows 2000 <sup>®</sup> Professional - ThinkPad Utilities • Online User's Guide • ThinkPad Configuration Program • PC-Doctor • ConfigSafe • Norton AntiVirus™ (OEM Version) • IBM Update Connector • Universal Manageability Services (web) \$ Software Selections CD \$ Lotus <sup>®</sup> SmartSuite <sup>®</sup> Millennium CD \$ Recovery CD-ROM (Windows 2000) \$ Recovery CD-ROM (Windows NT) <sup>40</sup>	
Limited warranty <sup>11</sup> Service options <sup>15</sup>	<b>1 year</b> - carry-in or ThinkP Service upgrades available	ad EasyServ <sup>™31</sup> (door-to-door de based on specific ThinkPad pur	oot repair service) chased		
640x480 16M 1 800x600 16M 1 1024x768* 64K 6	2GB f remaining space tartup brings up IBM	OPTIONS - 32MB SO DIMM 100MHz NP S - 64MB SO DIMM 100MHz NP S - 128M SO DIMM 100MHz NP S - 12GB disk, 12ms read, ATA-66 - High capacity 6-cell Li-Ion Batt - Ultraslim 72 watt AC Adapter - DC Auto Adapter - V.90 56K Intern Modem with G - 10/100 EtherJet™ CardBus Ad - IBM 16/4 Token-Ring CardBus - Smart Card Security Kit - IBM Portable Drive Bay 2000 - IBM MultiPort USB Hub - IBM 340MB microdrive - IBM USB Portable CD-ROM D - IBM USB Numeric Keypad	DRAM 20L0254 DRAM 20L0255 ery 02K6580 02K6699 02K3381 SM 02K4280 apter 34L5301 Adap 34L4801 33L5075 19K4480 00N8215 00N8073	Wired for Management 1.1a compliant DMI 2.0-compliant PC 99-compliant ACPI ready (APM enabled) Setup Guide, User's Reference, Windows OS manual, and Quick Reference Card System Status Indicators Reset switch on bottom Plug and Play 1.0a Standby, suspend, redisafe, and	
<ul> <li>ThinkPad Proven™ www.ibm.com/pc/us</li> </ul>				electronic, and Internet (www.ibm.com/pc/us) support	

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# IBM ThinkPad 300, 500, 700, 700C - withdrawn

IBM <sup>®</sup> ThinkPad <sup>®</sup> :	≫ 300	≫ 500	≫ 700 manaabrama	
Processor type Processor speed Memory cache Coprocessor socket Diskette drive	monochrome           80386 SL           25 MHz           64 KB external           Yes (for 387 SL)           3.5" 1.44 MB	sub-notebook 80486 SLC2 50/25 MHz 16 KB internal No External 3.5" 1.44 MB	monochrome 80486 SLC 25 MHz 16 KB internal Yes (for 387 SL) 3.5" 1.44 MB	color TFT 80486 SLC 25 MHz 16 KB internal Yes (for 387 SL) 3.5" 1.44 MB
Price (retail USD) Type - model Hard drive - size Hard drive - speed Available date Withdrawal date	\$ 1,999 2615-065 80 MB ♥ 120 MB 19 ms 17 ms Oct 92 Oct 93 Oct 93	\$ 1,999 2603-081 2603-171 <b>85 MB</b> 170 MB 15 ms 15 ms June 93 Aug 93 Dec 93 Dec 93	\$2,750 9552-300 <b>82 MB</b> 122 MB 17 ms 17	\$ 4,350 9552-30B <b>120 MB</b> 17 ms O Oct 92 Oct 93
Display - type	VGA mono	VGA mono	VGA mono	VGA color
Display - grey scales	64 grey scales	64 grey scales	64 grey scales	256 colors 640x480
Display - techology	STN	STN	STN	Thin film transistor
Display - light source	LCD - Side-lit	LCD - backlit	LCD - backlit	Active matrix
Display - size (diag)	9.5 inch	7.4 inch	9.5 inch	10.4 inch
Display - contrast ratio	13 to 1	18 to 1	18 to 1	100 to 1
180 degree display tilt	Yes	Yes (external SVGA)	Yes	Yes
Memory - std / max	4 / 12 MB 80 ns	4 / 12 MB 80 ns	4 / 16 MB 80 ns	4 / 16 MB 80 ns
Mem - sockets empty	2 sockets (parity)	1 socket (non-parity)	2 sockets (parity)	2 sockets (parity)
SIMM/ICs available	2, 8 MB SIMMs	4, 8 MB ICs (3.3 volt)	2, 4, 8 MB ICs	2, 4, 8 MB ICs
Keyboard / # of keys	Full size alp/num/ 82	90% size alp/num/ 81	Full size alp/num/ 84	Full size alp/num/84
Fn key functions	Yes (back panel)	11 (in any appl)	None	None
Keyboard slope	Miniature (option)	No	8 degrees (legs)	8 degrees (legs)
Mouse/pointing	Yes	<b>TrackPoint II</b> ™	<b>TrackPoint II</b>	<b>TrackPoint II</b>
Ext keyboard support	12 (in any appl)	No	Yes (with opt cable)	Yes (with opt cable)
Dimensions	12.1 x 8.5 x 1.7"	10.1 x 7.2 x 1.6"	11.7 x 8.3 x 1.9"	11.7 x 8.3 x 2.2"
Cubic inches	175 inches	116 inches	185 inches	214 inches
Carrying case	Blk nylon (option)	Blk nylon (option)	Blk nylon (option)	Blk nylon (option)
Color	Charcoal grey	Black	Black	Black
Weight (with battery)	5.9 pounds	3.8 pounds	6.5 pounds	7.6 pounds
Battery - type	Nickel hydride	Sealed lead acid	Nickel hydride	Nickel hydride
Batt - life (per battery)	3 to 10 hours	3 to 9 hours	3.8 to 7.5 hours	2 to 4 hours
Charge time - on / off	10 hrs / 2 hrs	2.5 hrs / 1.2 hrs	3 hrs / 2 hrs	1.5 hrs / 1.4 hrs
Battery - options	None	Nickel hydrid (\$49)	Yes - status indicator	Yes - status indicator
Architecture External AT/MCA port Comm Crtrdge (1 card) Docking Station Port replicator Modem/serial slot PCMCIA 2.01 slots Visible LEDs - closed Serial / parallel ports	AT bus No No (fast parallel) No Yes None Modem only Yes - batt charge Yes / Yes (EPP)	AT bus No No No <b>1 Type I or 1 Type II</b> Yes Yes (cable) / Yes (EPP)	Micro Channel <sup>®</sup> Yes (black) Yes (3550-002) blk Yes (black) Yes None Yes Yes / Yes (DMA)	Micro Channel Yes Yes (black) Yes (3550-002) blk Yes (black) Yes None Yes Yes / Yes (DMA)
APM-aware BIOS Other features Preinstalled software Warranty	APM-aware BIOS Hrdw security loop None 1 year - carry in or EasyServ (opt onsite)	APM-aware BIOS Hibernation mode DOS 5.02, PRODIGY® 1 year - carry in or EasyServ (opt onsite)	APM-aware BIOS Hrdw security loop DOS 5.02, PRODIGY <b>3 year</b> - carry in or EasyServ (opt onsite)	APM-aware BIOS Hrdw security loop DOS 5.02, PRODIGY <b>3 year</b> - carry in or EasyServ (opt onsite)

The 700/720 family hard disks, batteries, and docking station are NOT compatible with 360, 750, 755. The 700/720 memory IS compatible with 360, 750, 755.

FEATURES OF 500	FEATURES OF 300	FEATURES OF 700/700C and 720/720C
Most powerful sub-notebook with 486SLC2 Lightweight 3.8 pounds Hibernation mode saves memory to the hard drive and shuts system off External VGA is SVGA (to 800 x 600) Std external floppy (9 oz) plugs into back Personalized nameplate in molded indentation Coupon book with \$4,000 in savings Self charging battery with integrated wall plug and no memory effect (081, 171)	Upgradeable to TFT active color; 8.4" Ethernet on planar for 10baseT,10base2 Upgradeable to 120 MB (80 MB version) External VGA is SVGA (to 1024 x 768) 2 level password security Hot key setup in any application Standby mode and rest mode Rest mode lasts up to 2 weeks	3 year international warranty 700/720 mono upgradeable to TFT color 700/700C upgradeable to 486SLC2 50/25 Upgradeable to 120, 160, 240, or 340 MB Removable hard disk Pressure activated TrackPoint II Optional battery w/ power status indicators Quick Charger holds 2 batt; discharge button Coupon book with \$4,000 in savings
ThinkPad 500 models 081 and 171 withdrawn due to problems with the sealed lead acid battery and replaced by models 08N and 17N with a nickel hydride battery	FEATURES OF A Suspend/resume mode; battery life indicator Non-disruptive battery exchange Simultaneous LCD and external CRT US EPA Energy Star compliant International warranty	ALL PRODUCTS IBM or dealer warranty/service 30 day money back guarantee 24 hour / 7 day fax support 24 hour / 7 day bulletin board support 24 hour / 7 day telephone support at 1-800-772-2227

ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad at<br/>any location, IBM repairs and mails back (no shipping charges, most shipping is overnight).STN = Super twisted nematic;■ = Upgradeable;○ = Removable;> = Withdrawn

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# IBM ThinkPad 310 (EMEA) - withdrawn

IBM <sup>®</sup> ThinkPad <sup>®</sup> :	≯ 310	≫ 310	≯ 310D	
Processor type		color 11.3" TFT SVGA color (P54CSLM) / 64 bit to transfers to		VGA color / 10 x CD-ROM
Processor upgrade L2 cache	None	rect mapped / 7 ns / sychronous p		<i>,</i>
External FDD port	External FDD port (work	s with standard external diskette	on CD-ROM-based m	odel; or use if upgrade to CD-ROM)
Diskette drive CD-ROM drive	Internal 3.5" 1.44 MB (o None (upgrade available			MB (connect to rear) ootable(left side) / CAV
Code name	LaCrosse	LaCrosse	LaCrosse	
Price Type - model Preload (see side) Avail / withdrawn date	<b>2600-100</b> <b>Windows 95 OSR2</b> June 1997 / January 199	<b>2600-300</b>	2600-200	
Disk - size / ms	1.08GB / 13ms read; 14	ms write / PIO Mode 4		
Disk controller		2.1 / supports one internal disk olor 11.3" TFT SVGA color	11.3" Dual Scan S	SVGA color
Display - techology	11.3" SVGA color / 640			640x480 or 800x600 / 65,536 sim colors
	256 simultaneous color	rs / Dual Scan / 30 to 1 contrast rati	Black Matrix TFT -	active matrix / 100 to 1 contrast ratio
Graphics - controller Graph - arch/data path Gaphics - features Graphics - external	PCI 2.1 / interpolation / c	CRT/180 degree tilt / Zoomed Vid		WINDOWS 95 PRELOAD
Memory - std / max Memory - features Memory - upgrade	60 ns / non-parity / 3.3 v	IB SO-DIMM is installed in one of t olt / EDO / memory installed from b vo JEDEC 144 pin EDO SO-DIMM	ottom of system	<ul> <li>Microsoft Windows 95 OSR2 (FAT16)</li> <li>Notebook Manager</li> <li>PhoenixCard Manager</li> </ul>
Keyboard / # of keys Keyboard slope Pointing device	TrackPoint III™ / no drag	ard remains flat (no sloop) / no liftur lock keys		<ul> <li>(no diskette factory)</li> <li>1. IBM Anti-Virus</li> <li>2. IntelliQuest Registration Mailer</li> <li>3. ThinkPad Customization Icon</li> </ul>
Palm rest Dimensions Weight	Integrated palm rest / ext 11.7 x 8.9 x 1.9" (198 cu 6.6 pounds (3.0 kg)	ternal keyboard support (no option: ubic inches) [6.6 pounds (3.0 kg)	al cable)	<ul> <li>Lotus SmartSuite CD-ROM</li> <li>Recovery CD-ROM with boot diskette</li> </ul>
Battery - type Battery - life	NiMH / non-intelligent / b 2.5 hours	pattery unique to 310 / insert from ri		- Windows 95 CD-ROM (no installation)
Charge time - on / off Architecture		o non-disruptive battery exchange ial, parallel) / ALI® Aladdin III M15	21/M1523 chinset	-
	PCI 2.1 / 32-bit / 33MHz NS PC87336VJG (diske	c (EIDE, graphics, PCMCIA) ette, serial, parallel) / TI PCI1131 C		
Docking Station Port replicator	None None			
PCMCIA <sup>™</sup> slots		Type III / PCMCIA 2.1 compatible / omed Video support in lower slo		
Serial / parallel ports Other features	One 9 pin; 16550A / one Universal AC Adapter 3	(IEEE P1284-A, EPP, ECP, bidire prong (45 watts) with barrel conner 11.2 / Selectable boot / Acer® BIC	ctional) ctor (slim) /	
Video in/out	None			
MPEG decoder Data/fax modem	None None			
Audio support		oice MIDI FM synthesis / Yamaha / .5 watt / Fn key volume control	YMF715	
Audio jacks Telephone	Input jack (3.5 mm) / ster None	eo output jack (3.5 mm) / stereo mi	c jack (3.5 mm)	
Infrared ports Security	None Power-on password / Se	tup password (for Notebook Mana	ner and BIOS Litility/	-
occurry	Diskette and disk write p	rotect and disable / on back (Kensington™ cable lock)		Disk is not removable, but it can be upgraded via a dealer or service center
Preinstalled software Warranty	Windows 95 with applica 1 year - carry-in	ations (listed on right)		(not customer installable). System does not have non-disruptive
BIOS Utility is entered ThinkPad logo is displ	d by holding F2 while the layed after power on.	Compatible in ThinkPad 310 famil - 2.1GB HDD 13/14 ms (user up		battery exchange. Battery can be changed while system is off, in hibernation, or under AC power.
Fn + F1 = Hot key h	nelp	- NiMH Battery	11J8639	
Fn + F2 = Brightnes Fn + arrows = Adjust	ss/contrast brightness/contrast	<ul> <li>AC Adapter, 3 prong w/o powe</li> <li>AC Adapter, 3 prong with US p</li> <li>8MB SO DIMM 3.3v NP EDO 64</li> </ul>	ower cord 11J8702	FEATURES OF 310 MODELS
Fn + F3 = LCD/CR Fn + F4 = Fuelgau Fn + F5 = Audio vo Fn + arrows = Adjust	ge lume : volume	<ul> <li>16MB SO DIMIN 3.3V NP EDO 64</li> <li>16MB SO DIMM 3.3V NP EDO 64</li> <li>32MB SO DIMM 3.3V NP EDO 64</li> <li>10 x CD-ROM w/ external FDE (dealer installable only)</li> </ul>	I-bit, gold 11J8636 I-bit, gold 11J8637	Plug and Play 1.0a Standby and hibernation modes Color LED indicator US EPA Energy Star compliant
Fn + F6 = Power m Fn + F7 = Standby Fn + F8 = Hibernati Fn + Esc = Close Ho	ion	<ul> <li>PCMCIA 28.8Kbps Internation</li> </ul>	al 42H4319	Personalized nameplate indention International Warranty Service 24 hour / 7 day telephone, bulletin board, fax, electronic, and Internet (http://www.pc.ibm.com) support
				IBM and dealer warranty/service
			All two does	arks are the property of their respective owner

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# III ThinkPad® 310E and 310ED (EMEA) - withdrawn

IBM <sup>®</sup> ThinkPad <sup>®</sup> :	310E 12.1" Dual Scan SVGA	310E color 11.3" TFT SVGA color	<b>310ED</b> 12 1" Dual Scan S	SVGA color / 10X CD-ROM
Processor type		6MHz <sup>1</sup> Pentium MMX 150/60MHz		
Processor upgrade Processor features L2 cache External FDD port	None MMX technology / P550 256KB / write-back / dir	CLM / 64-bit to transfers to L2 cache ect mapped / 7ns / sychronous pipe	and memory lined burst	odel; or use if upgrade to CD-ROM)
Diskette drive CD-ROM drive Code name				4MB (connect to rear) bootable (left side) / CAV
Price Type - model Preload (see side) Avail / withdrawn date Disk - size / ms Disk controller	<b>2600-400</b> <b>Windows 95 OSR2</b> November 1997 / July 19 <b>1.6GB</b> <sup>4</sup> / 13ms read; 14 EIDE / busmaster / PCI	2600-600 998 ms write / PIO Mode 4 / SMART 2.1 / supports one internal disk	2600-500	
Display - size and type	12.1" Dual Scan SVGA	color 11.3" TFT SVGA color	12.1" Dual Scan	
Display - techology	12.1" SVGA color / 640 256 simultaneous color	x 480 or 800 x 600 rs / Dual Scan / 30 to 1 contrast ratio		/ 640 x 480 or 800 x 600 / 65,536 sim colors active matrix / 100 to 1 contrast ratio
Graphics - controller Graph - arch/data path Gaphics - features Graphics - external	PCI 2.1 / interpolation / c	CRT / 180 degree tilt / Zoomed Video		
Memory - std / max Memory - features Memory - upgrade	60ns / non-parity / 3.3 vo	/IB SO-DIMM is installed in one of tw olt / EDO / memory installed from bot vo JEDEC 144 pin EDO SO-DIMM c	tom of system	WINDOWS 95 PRELOAD <sup>16</sup> - Microsoft Windows 95 OSR2 (FAT16)
Keyboard / # of keys Keyboard slope Pointing device Palm rest	Full size alp/num / 85 ke Large palm rest / keyboa TrackPoint® III / no drag	ys (9 Fn key functions) ard remains flat (no sloop) / no liftup k	keyboard	Notebook Manager     (no diskette factory)     I. IBM Anti-Virus     IntelliQuest Registration Mailer     3. ThinkPad Customization Icon
Dimensions Weight <sup>2</sup>	0 1	ubic inches) / 298 mm x 227 mm x 49	,	CD-ROMs included in shipping carton: - Application CD-ROM (includes
Battery - life Charge time - on / off Battery - type	3.0 hours 3.5 to 10 hrs / 2.0 hrs / n	3.5 hours o non-disruptive battery exchange pattery unique to 310 / insert from righ	3.0 hours	<ul> <li>Application CD-ROW (includes W95/W31/DOS device drivers, preloaded applications)</li> <li>Windows 95 CD-ROM (no installation; includes Setup Boot Diskette)</li> </ul>
Architecture Docking Station Port replicator PCMCIA™ slots Serial / parallel ports Other features	PCI2.1/32-bit/33MHz (El NS PC87336VJG (diske None 2 Type I or 2 Type II or 1 CardBus 32-bit PCI/Zc One 9 pin; 16550A / one Universal AC Adapter 3	rial, parallel) / ALI <sup>®</sup> Aladdin III M152 IDE, graphics, PCMCIA) ette, serial, parallel) / TI PCI1131 Ca Type III / PCMCIA 2.1 compatible / P bomed Video support in lower slot (IEEE P1284-A, EPP, ECP, bidirect prong (45 watts) with barrel connect 1.2 / Selectable boot / Acer <sup>®</sup> BIOS	rdBus (PCI) C Card Standard 95 ional) or (slim) /	
Video in/out MPEG decoder Data/fax modem Audio support Audio jacks Telephone Infrared ports	Internal stereo speakers	oice MIDI FM synthesis / Yamaha Y s / .5 watt / Fn key volume control reo output jack (3.5 mm) / stereo mic j		
Security	Power-on password / Se diskette and disk write p electronic personalizatio	etup password (for Notebook Manage rotect and disable / security keyhole n	er and BIOS Utility)/ /	
Preinstalled software Limited warranty <sup>11</sup>	Microsoft <sup>®</sup> Windows <sup>®</sup> 95 1 year - carry-in	with applications (listed on right)		System does not have non-disruptive battery exchange. Battery can be changed while system is off, in hibernation, or under AC power.
BIOS Utility is entered ThinkPad logo is displ	d by holding F2 while the layed after power on.	OPTIONS		No suspend mode; has standby and
Fn + F1 = Hot key help Fn + F2 = Brightness/contrast Fn + arrows = Adjust brightness/contrast Fn + F3 = LCD/CRT/Simultaneous Fn + F4 = Fuel gauge Fn + F5 = Audio volume Fn + arrows = Adjust volume Fn + F6 = Power mgmt and system info Fn + F7 = Standby Fn + F8 = Hibernation Fn + Esc = Close Hot key icon		<ul> <li>2.1GB disk, 13/14ms (user upgra 3.2GB disk, 13/14ms (user upgra NiMH Battery</li> <li>AC Adapter, 3 prong without pow 16MB SO DIMM 3.3v NP EDO 64-t</li> <li>32MB SO DIMM 3.3v NP EDO 64-t</li> <li>10X CD-ROM w/ external FDD/c (dealer installable only)</li> <li>20X-8X Portable CD-ROM</li> <li>20X-8X Portable Stereo CD-ROI</li> <li>PCMCIA 33.6Kbps International</li> <li>PCMCIA 33.6Kbps Modem w/ Xa</li> </ul>	adeable) 05K8864 11J8639 ver cord 11J8639 oit, gold 11J8636 it, gold 11J8637 cable 11J8676 1969010 M 1969011 Data/Fax 42H4319	hibernation mode FEATURES Plug and Play 1.0a Standby and hibernation modes Color LED indicator ENERGY STAR compliant Personalized nameplate indention International Warranty Service <sup>14</sup> IBM SystemXtra™ 24 hour /7 day telephone, bulletin board, fax, electronic, and Internet (www.ibm.com/pc/us) support IBM and dealer warranty/service

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# III ThinkPad<sup>®</sup> 310E and 310ED (EMEA) - Spring 1998 - withdrawn

IBM <sup>®</sup> ThinkPad <sup>®</sup> :	310E	<b>310E</b>	310ED	
Processor type Processor upgrade	12.1" Dual Scan SVGA colo Pentium <sup>®</sup> MMX <sup>™</sup> 166/66M None		12.1" Dual Scan S	SVGA color / CD-ROM
Processor features L2 cache External FDD port Diskette drive CD-ROM drive	MMX technology / P55CLM 256KB / write-back / direct	t side)	ned burst CD-ROM-based m External 3.5" 1.44	odel; or use if upgrade to CD-ROM) 4MB (connect to rear) <b>DM</b> / bootable (left side) / CAV
Price Type - model Preload (see side) Avail / withdrawn date Disk - size / ms	2600-A00 Windows 95 OSR2 March 1998 / September 19 2.1GB <sup>4</sup> / 13ms read; 14ms	2600-C00 98 write / PIO Mode 4 / SMART	2600-B00	
Disk controller		/ supports one internal disk		
	12.1" Dual Scan SVGA co 12.1" SVGA color / 640 x 4	lor 12.1" TFT SVGA color	12.1" Dual Scan	640 x 480 or 800 x 600 / 65,536 sim colors
Display - techology		Dual Scan / 30 to 1 contrast ratio		active matrix / 100 to 1 contrast ratio
Graphics - controller Graphics - memory Graph - arch/data path Gaphics - features Graphics - external	C&T <sup>™</sup> 65550 HiQV32 <sup>™</sup> / 64- 1MB EDO DRAM / 70ns PCI 2.1 / interpolation / colo Simultaneous LCD and CR <sup>™</sup> External SVGA to 1024 x 76	r space conversion T / 180 degree tilt / Zoomed Video	support	
Memory - std / max Memory - implement Memory - features Memory - upgrade		alled in one of two sockets EDO / memory installed from bott EDEC 144 pin EDO SO-DIMM of		WINDOWS 95 PRELOAD <sup>16</sup> - Microsoft Windows 95 OSR2 (FAT16) - Internet Explorer 4.0
Keyboard / # of keys Keyboard slope Pointing device Palm rest	Full size alp/num / 85 keys ( Large palm rest / keyboard r TrackPoint <sup>®</sup> III / no drag loc	9 Fn key functions) remains flat (no sloop) / no liftup ke	eyboard	<ul> <li>Notebook Manager</li> <li>(no diskette factory)</li> <li>1. IBM Anti-Virus</li> <li>2. IntelliQuest Registration Mailer</li> <li>3. ThinkPad Customization Icon</li> </ul>
Dimensions Weight <sup>2</sup>	11.7 x 8.9 x 2.0" (208 cubic 6.6 pounds (3.0 kg)	inches) / 298 mm x 227 mm x 50 6.6 pounds (3.0 kg)	mm   6.9 lbs (3.1 kg)	CD-ROMs included in shipping carton: - Application CD-ROM (includes
Battery - life Charge time - on / off Battery - type		2.8 hours on-disruptive battery exchange ery unique to 310 / insert from righ	3.0 hours	W95/W31/DOS device drivers, preloaded applications) - Windows 95 CD-ROM (no installation; includes Setup Boot Diskette)
Docking Station Port replicator PCMCIA <sup>™</sup> slots Serial / parallel ports Other features	None None 2 Type I or 2 Type II or 1 Typ CardBus 32-bit PCI / Zoom One 9 pin: 16550A / one (IE	IDE, graphics, PCMCIA) serial, parallel) / TI PCI1131 Car e III / PCMCIA 2.1 compatible / PC ed Video support in lower slot EE P1284-A, EPP, ECP, bidirection g (45 watts) with barrel connecto 2 / Selectable boot / Acer <sup>®</sup> BIOS	Card Standard 95	
Video in/out MPEG decoder Data/fax modem Audio support Audio jacks Telephone Infrared ports	None None <b>16-bit audio chip / 18 voice</b> Internal stereo speakers / .5 Input jack (3.5 mm) / stereo o None	e <b>MIDI FM synthesis / Yamaha Y</b> s watt / Fn key volume control output jack (3.5 mm) / stereo mic ja	<b>MF715</b> ick (3.5 mm)	
Security Preinstalled software	diskette and disk write prote electronic personalization	password (for Notebook Manage ect and disable / security keyhole / h applications (listed on right)		System does not have non-disruptive battery exchange. Battery can be
Limited warranty <sup>11</sup>	1 year - carry-in	n applications (listed on right)		changed while system is off, in hibernation, or under AC power.
BIOS Utility is entered ThinkPad logo is displ	by holding F2 while the layed after power on.	<b>OPTIONS</b> 2.1GB disk 13/14ms (user upgrac	leable) 11J8643	No suspend mode; has standby and hibernation mode
Fn + F1 = Hot key help Fn + F2 = Brightness/contrast Fn + arrows = Adjust brightness/contrast Fn + F3 = LCD/CRT/Simultaneous Fn + F4 = Fuel gauge Fn + F5 = Audio volume Fn + arrows = Adjust volume Fn + F6 = Power mgmt and system info Fn + F7 = Standby Fn + F8 = Hibernation Fn + Esc = Close Hot key icon		2.1GB disk 13/14ms (user upgrad NiMH Battery AC Adapter, 3 prong without pow 16MB SO DIMM 3.3v NP EDO 64-bi 32MB SO DIMM 3.3v NP EDO 64-bi 10X CD-ROM w/ external FDD/ca (dealer installable only) 20X-8X CD-ROM w/ external FDI (dealer installable only) 20X-8X Portable CD-ROM 20X-8X Portable Stereo CD-ROM 20X-8X Portable Stereo CD-ROM PCMCIA 33.6Kbps International I PCMCIA 33.6Kbps Modem w/ XJ	leable) 05K8864 11J8639 er cord 11J8639 t, gold 11J8636 t, gold 11J8637 bble 11J8676 D/cable 05K8867 1969010 1969011 Data/Fax 42H4319	FEATURES Plug and Play 1.0a Standby and hibernation modes Color LED indicator ENERGY STAR compliant Personalized nameplate indention International Warranty Service <sup>14</sup> IBM SystemXtra™ 24 hour / 7 day telephone, bulletin board, fax, electronic, and Internet (www.ibm.com/pc/us) support IBM and dealer warranty/service

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# III ThinkPad<sup>®</sup> 310ED (Retail models) - withdrawn

IBM <sup>®</sup> ThinkPad <sup>®</sup> :	≫ 310ED		≫ 310ED	
Processor type Processor upgrade Processor features L2 cache External FDD port Diskette drive CD-ROM drive	256KB / write-back / dir External FDD port (wor External 3.5" 1.44MB (c	CLM / 64-bit to trans ect mapped / 7ns / ks with standard ex connect to rear)	Pentium MMX 166/66MHz sfers to L2 cache and memory sychronous pipelined burst ternal diskette on CD-ROM-based me 20X-8X <sup>5</sup> CD-ROM / bootable (left sid	
Price Type - model UPC code Preload (see side) Avail / withdrawn date Disk - size / ms Disk controller	2600-50U 087944375975 Windows 95 OSR2 November 1997 / May 1 1.6GB <sup>4</sup> / 13ms/14ms / F EIDE / busmaster / PCI	PIO 4 / SMART 2.1 / supports one	<b>2600-B0U</b> 087944395997 Windows 95 OSR2.5 March 1998 / September 1998 <b>2.1GB</b> / 13ms read; 14ms write / PIC internal disk	D Mode 4 / SMART
Display - size and type Display - techology	e <b>12.1" Dual Scan SVGA</b> 12.1" SVGA color / 640 256 simultaneous colo	x 480 or 800 x 600		
Graphics - controller Graph - arch/data path Gaphics - features Graphics - external Memory - std / max	C&T™ 65550 HiQV32™ PCI 2.1 / interpolation / c	/ 64-bit SVGA accel color space convers CRT / 180 degree t x 768 with 256 colo	erator / 1MB EDO DRAM / 70ns sion ilt / Zoomed Video support	
Memory - features Memory - upgrade	60ns / non-parity / 3.3 v	olt / EDO / memory	Distalled from bottom of system D SO-DIMM of 8, 16, or 32MB	WINDOWS 95 PRELOAD <sup>16</sup> - Microsoft Windows 95 OSR2 (FAT16) - Internet Explorer 4.0
Keyboard / # of keys Keyboard slope Pointing device Palm rest	Full size alp/num / 85 ke Large palm rest / keyboa TrackPoint <sup>®</sup> III / no drag Integrated palm rest / ex	ard remains flat (no lock keys	sloop) / no liftup keyboard	- AOL, AT&T WorldNet, CompuServ - AOL, AT&T WorldNet, CompuServ - Media Player - ActiveMovie (MPEG-1, AVI) - Video for Windows
Dimensions Weight <sup>2</sup>	11.7 x 8.9 x 2.0" (208 c 7.1 lbs (3.2 kg)	ubic inches) / 298 n	nm x 227 mm x 50 mm 6.9 lbs (3.1 kg)	- CD Audio Player - MIDI Sequencer
Battery - life Charge time - on / off Battery - type	3.0 hours 3.5 to 10 hrs / 2.0 hrs / n NiMH / non-intelligent / b	o non-disruptive ba battery unique to 31	ttery exchange 0 / insert from right side	1. Lotus <sup>®</sup> SmartSuite 97 - WordPro Work Processor - <u>1</u> -2-3 Spreadsheet
Architecture Docking Station Port replicator PCMCIA <sup>™</sup> slots Serial / parallel ports Other features	ISA (audio, diskette, se PCI 2.1 / 32-bit / 33MHz NS PC87336VJG (disk None 2 Type I or 2 Type II or 1 CardBus 32-bit PCI/Zc One 9 pin; 16550A / one	rial, parallel) / ALI <sup>®</sup> z (EIDE, graphics, I ette, serial, parallel Type III / PCMCIA 2 comed Video supp o (IEEE P1284-A, E prong (45 watts) wi	Aladdin III M1521/M1523 chipset PCMCIA) //TI PCI1131 CardBus (PCI) 2.1 compatible / PC Card Standard 95 ort in lower slot PP, ECP, bidirectional) th barrel connector (slim) /	<ul> <li>Freelance Graphics</li> <li>Approach Database</li> <li>Organizer Scheduler</li> <li>ScreenCam</li> <li>IBM Anti-Virus</li> <li>PointCast (with ThinkPad Channel)</li> <li>ThinkPad Customization Icon</li> <li>Notebook Manager</li> <li>Ergonomics</li> <li>IntelliQuest Registration Mailer</li> </ul>
Video in/out Data/fax modem Audio support Audio jacks Telephone Infrared ports	None None <b>16-bit audio chip / 18 v</b> Internal stereo speakers	oice MIDI FM synt	<b> 56Kbps PC Card modem</b>  ActionTec <sup>®</sup> DataLink / K56flex™ <b>hesis / Yamaha YMF715</b>	<ol> <li>Password Protected Marketing Demo</li> <li>PhoenixCard Manager</li> <li>(no diskette factory)</li> <li>CD-ROMs included in shipping carton:</li> <li>Application CD-ROM (includes Lotus SmartSuite 97, W95/W31/DOS device drivers, preloaded applications)</li> <li>Windows 95 CD-ROM (no installation; includes Setup Boot Diskette)</li> </ol>
Security		rotect and disable /	Notebook Manager and BIOS Utility)/ / security keyhole /	
Preinstalled software Limited warranty <sup>11</sup>	Microsoft <sup>®</sup> Windows <sup>®</sup> 95 1 year - carry-in		isted on right)	System does not have non-disruptive battery exchange. Battery can be changed while system is off, in hibernation, or under AC power.
Fn + F1 = Hot key help- 3Fn + F2 = Brightness/contrast- NFn + arrows = Adjust brightness/contrast- AFn + F3 = LCD/CRT/Simultaneous- 1Fn + F4 = Fuel gauge- 3Fn + F5 = Audio volume- PFn + arrows = Adjust volume- P		<ul> <li>3.2GB disk 12n</li> <li>NiMH Battery</li> <li>AC Adapter, 3  </li> <li>16MB SO DIMM</li> <li>32MB SO DIMM</li> <li>PCMCIA 33.6K</li> </ul>	OPTIONS 14ms (user upgradeable) 11J8643 05K8864 11J8639 prong, US pwr cord, 45 wa 11J8702 13.3v NP EDO 64-bit, gold 11J8636 13.3v NP EDO 64-bit, gold 11J8637 bps International Data/Fax 42H4319 bps Modem w/ XJACK 55H6759 Iodem Kit 04K0052	No suspend mode; has standby and hibernation mode FEATURES Plug and Play 1.0a Standby and hibernation modes Color LED indicator ENERGY STAR compliant Personalized nameplate indention Year 2000 ready International Warranty Service <sup>14</sup> 24 hour / 7 day telephone, bulletin board, fax, electronic, and Internet (www.ibm.com/pc/us) support IBM and dealer warranty/service
≍ = Withdrawn from m	arketing		All tradema	arks are the property of their respective owners

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# III ThinkPad 345 (non-US) - withdrawn

IBM <sup>®</sup> ThinkPad <sup>®</sup> :	≫ <b>345CS</b> dual scan color	≫ <b>345C</b> TFT color			d 345 is a fast, lightweight, full function, ual scan color notebook at a very
Processor type Processor speed Memory cache Coprocessor socket Processor / L2 upgrade Diskette drive Removable CD-ROM	IntelDX4 75/25 MHz / 3.3 volt 16 KB internal (no L2 cac Integrated in DX4 None 3.5" 1.44 MB (not removat None	he)		attractive ⇒ Entry ⇒ Large ⇒ Fast II ⇒ Lightv	e price point priced ThinkPad color 10.4" dual scan or TFT display nteIDX4 75/25 MHz weight (5.2 or 5.5 pounds) Point III
Price Type - model DE disk - size Hard drive - speed Avail / withdrawn date	\$ \$ 2610-EYF 2610-EYC 360 MB 540 MB 13 ms 13 ms Sep 1995 / Jan 1996	\$ 2610-FYF <b>360 MB</b> 13 ms Sep 1995 / Apr	\$ 2610-FYG <b>540 MB</b> 13 ms 1996		
Display - type Display - colors Display - techology Display - diagonal size Display - contrast ratio 80 degree display tilt	VGA color / 640 x 480 256 simultaneous colors Dual Scan - passive matrix 10.4 inch 20 to 1 Yes	VGA color / 64 256 simultaneo Black Matrix T 10.4 inch 100 to 1 Yes			
Graphics - controller Graphics - vendor Graph - arch/data path	WD90C24A Rev C with 1 Western Digital / External VL-Bus local bus / 32 bit /	SVGA to 1024 x 768	nd CRT	,	
Memory - std / max Mem - sockets empty Mem - options available			Memory upgrade 1 open socket for memory card for	r IC DRAM	
Keyboard / # of keys En key functions Keyboard slope Mouse/pointing Ext keyboard support	Full size alp/num / 85 keys 7 (in any appl) None <b>TrackPoint III</b> ™ (no drag I Yes (with optional cable)				PREINSTALLED APPLICATIONS - IBM PC DOS 7.0 - Windows 3.11
Dimensions Cubic inches Color Weight (with battery)	11.7 x 8.3 x 1.9" 184 inches Black 5.2 pounds	11.7 x 8.3 x 2.0" 194 inches Black 5.5 pounds			<ul> <li>IBM PC Card Director for PCMCIA</li> <li>IBM ThinkPad Demo</li> <li>ThinkPad features; Diskette Factory</li> <li>Lotus<sup>®</sup> cc:Mail, for the IBM Global<sup>®</sup></li> </ul>
Battery - type Batt - life (per battery) Charge time - on / off Architecture Docking Station Port replicator PCMCIATM 2.1 slots	Nickel hydride (NiMH) / no 2.5 to 5 hours 2 hrs / 1.5 hr AT bus (ISA) None None 1 Type I or 1 Type II or 1 Type		Fn key functions: - Fuel guage (bat - Standby mode - Suspend mode - Audio volume - LCD or CRT or - Power manage	ttery) both ment mode	network, 2. Lotus Organizer 1.12 3. Lotus ScreenCam 1.0, 4. Triton CoSession <sup>™</sup> Host, 5. PRODIGY <sup>®,</sup> 6. SofNet FaxWorks <sup>™</sup> 3.0 7. AlphaNet <sup>™</sup> FollowFax <sup>™</sup> 8. Sedona REPRINT <sup>™</sup>
Serial / parallel ports Other features Audio support Security	Yes (one 9 pin) 16550A / ` APM-aware BIOS / Select AC adapter, 35 watts, wor Audio beep only Power-on password Locking device keyhole (K	able boot Idwide, 3 pin, not wall			– 9. Video for Windows™ 1.1 Runtime
Preinstalled software Warranty Warranty options	IBM DOS 7.0, Windows™ 1 year - ThinkPad EasySe None		ted to right:		-
The ThinkPad 345 fam physical design as the		Options for 345: - 4 MB IC DRAM 7	0 ns Parity 920	37232 3	FEATURES OF 345 FAMILY power saving modes: standby, suspend,
<ul> <li>and on the utility disket</li> <li>OS/2. It provides:</li> <li>automatic config of</li> <li>visual/audible confi removal of cards;</li> <li>ability to automatic: async emulation) w</li> </ul>	ally launch an appl (e.g.	<ul> <li>8 MB IC DRAM 7</li> <li>16 MB IC DRAM 7</li> <li>4 MB IC DRAM 7</li> <li>8 MB IC DRAM 7</li> <li>16 MB IC DRAM 7</li> <li>16 MB IC DRAM 7</li> <li>NiMH Battery Pac</li> <li>NiMH Battery Pac</li> <li>NiMH Battery Pac</li> <li>35 watt AC Adapt</li> <li>35 watt AC Adapt</li> <li>35 watt AC Adapt</li> </ul>	0 ns Paritý 920 0 ns Parity 920 0 ns non-Parity 920 0 ns non-Parity 920 0 ns non-Parity 920 k (Worldwide) 850 k (EMEA) 850 er (Worldwide) 850 er (Japan) 850	57233 57234 57236 57237 57237 57424 57424 57637 57638 57605	and hibernation Personalized nameplate in molded indentation Battery life indicator Non-disruptive battery exchange JS EPA Energy Star compliant HELPWARE
are located in flash me	o, BIOS, and diagnostics mory.	IC DRAM parity mer options will work but	mory from the abov		nternational Warranty Service 24 hour / 7 day telephone, bulletin board, fax, and electronic support BM or dealer warranty/service Online Housecall (remote diagnostics) 30 day money back guarantee

ThinkPad EasyServ™: customer calls 1-800-565-3344 in Canada, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business day average turnaround). □ = Upgradeable; O = Removable; > = Withdrawn from marketing All trademarks are the property of their respective owners No warranties are expressed or implied in this summary (345) Compiled by Roger Dodson, IBM. May 1996

# IBM ThinkPad 350, 350C, 500, 510Cs - withdrawn

IBM <sup>®</sup> ThinkPad <sup>®</sup> :	≫ <b>350</b> monochrome	≫ <b>350C</b> passive color	≫ <b>500</b> sub-notebook	≫ <b>510Cs</b> color sub-notebook	
Processor type	All: 80486 SL (no math		80486 SLC2	Blue Lightning 486BL2-50	
Processor speed	All: 25 MHz		50/25 MHz	50/25 MHz	
Memory cache Coprocessor socket	All: 8 KB internal (no L2 All: No	.)	16 KB internal (no L2) No	) 16 KB internal (no L2 cache) No	
Diskette drive	All: 3.5" 1.44 MB		External 3.5" 1.44 MI	B External 3.5" 1.44 MB (9 oz.)	
Price (retail USD)	\$1,499 \$1,899	\$ 1,599 <b>4</b> \$ 1,999 <b>4</b> 2618-N0A 2618-P0A	\$799 <b>•</b> \$999 <b>•</b>	\$1,799 + Fn+F2 = Fuelguage	
Type - model Hard drive - size	2618-J0A 2618-L0A 125 MB 250 MB	125 MB 250 MB	2603-08N 2603-17N 85 MB 170 MB	2604-C2U Fn+F3 = Setup 200 MB Fn+F4 = Suspend	
Hard drive - speed	15 ms 12 ms	15 ms 12 ms	15 ms 15 ms	17 ms $Fn+F5 = Speaker$	
Avail / withdrawal date	June 93 / withd Sep 94	June 93 / withd Sep 94	Dec 93 / withd Jan 95		
Display - type Display - grey scales	VGA mono 64 grey scales	<b>VGA color</b> 256 colors 640 x 480	VGA mono 64 grey scales	256 colors 640 x 480 En + E8 = Rev video	
Display - techology	STŇ	STN - passive matrix	STŇ	STN - passive matrix $Fn + F9 = Num Lock$	
Display - light source Display - size (diag)	LCD - Backlit 9.5 inch	LCD - Backlit 9.2 inch	LCD - backlit 7.24 inch	7 7 inch $Fn+F11=Print Scrn$	
Display - contrast rátio	18 to 1	13 to 1; Single scan	18 to 1	14 to 1; Single scan Fn+F12= Hibernation	
180 degree display tilt	Yes (external SVGA)	Yes (external SVGA)	Yes (external SVGA	, , , ,	
Graphics - controller Graphics - vendor	All: 65530 / External VC All: Chips & Tecnologie	GA is ISO capable (75Hz)	WD90C26 Western Digital	WD90C24A2 / 1 MB video mem Western Digital	
Graphics - arch/data path			ISA 16 bit	VL-Bus / VESA 32 bit local bus	
Memory - std / max	All: 4 / 20 MB 80 ns		4 / 12 MB 80 ns	4/20 MB 80 ns	
Mem - sockets empty Mem - options available	All: 1 socket (non-pari All: 4, 8, 16 MB SIMMs		1 socket (non-parity 4, 8 MB ICs (3.3 volt)	) 1 socket (non-parity) 4, 8, 16 MB ICs (3.3 volt)	
Keyboard / # of keys	All: Full size alp/num/ 8	5 above keyboard	90% size alp/num/ 81	90% size alp/num/ 81	
Fn key functions	All: 2 (in any appl)	Fn+F1= Configuration	11 (in any appl)	15 (in any appl)	
Keyboard slope Mouse/pointing	All: Yes (back panel) All: TrackPoint II™	Utility Fn+F2= Reverse video	No TrackPoint II	No TrackPoint II	
Ext keyboard support	All: Yes (with opt cable)	<b>E E0 0 0 0 0</b>	No	Yes (on MultiPort)	
Dimensions	11.7 x 8.3 x 1.9"	11.7 x 8.3 x 2.0"	10.1 x 7.2 x 1.6"	$10.1 \times 7.2 \times 1.7" Fn + Q = Inc brightness$	
Cubic inches Carrying case	184 inches Many options	194 inches Many options	116 inches Many options	Fn + A = Dec brightness	
Color	Black	Black	Black	Black $En + S = Dec contrast$	
Weight (with battery)	5.2 pounds	5.8 pounds	3.4 pounds / 3.7 (170	M) 4.0 pounds	
Battery - type Batt - life (per battery)	Nickel hydride (NiMH) 2.7 to 9 hours	Nickel hydride (NiMH) 2 to 7.5 hours	Nickel hydride (NiMH 3.5 to 9 hours	) Nickel hydride (NiMH) Enter Setup by 2.5 to 8 hours CTRL+ALT+F3	
Charge time - on / off	2 hrs / 1 hr	2 hrs / 1 hr	3 hrs / 1.5 hrs	2.5 hrs / 1.5 hrs from DOS prompt	
Architecture	All: AT bus (ISA) All: No		AT bus (ISA) No (withdrawn 500	AT bus (ISA)	
Docking Station Port replicator	All: No		No had sealed lead	No Yes (MultiPort ships standard)	
Modem/serial slot	All: Modemonly		No acid battery)	No Ó	
PCMCIA 2.01 slots Visible LEDs - closed	All: 1 Type I or 1 Type All: Yes	11	1 Type I or 1 Type II Yes	<b>1 Type I or 1 Type II</b> Yes	
Serial / parallel ports	All: Yes / Yes		Yes (cable) / Yes (EP	P) Yes (MultiPort) / Yes (EPP)	
APM-aware BIOS	All: APM-aware BIOS	tor	APM-aware BIOS	APM-aware BIOS	
Other features	All: Wallmount AC adap	olei	Hibernation mode	Microsaver™ security connector Hibernation mode	
	All: Personalized name		Personalized namepla	ate Personalized nameplate in indentation	
Preinstalled software	All: Coupon book with \$ All: IBM DOS 5.02, PR	54,000 in savings	Coupon book w/ sav	Personal greeting screen at startup GY IBM DOS 6.3, Windows 3.1,	
			After July 1 only on	Demo, and 8 appls listed below	
Warranty	All: 1 year - carry in or E	FasyServ (opt onsite)	17N: see below 1 year - carry in or	1 year - carry in or	
manuny			EasyServ (opt onsite		
		r			
FEATURES OF 500 and	1510Cs	SOFTWARE PREINSTA		FEATURES OF ALL PRODUCTS	
500: External cable has		500-17N (after July 1, 19		Suspend/resume mode; battery life indicator	
serial port and external di		IBM DOS 6.3, Windows 3	3.1,	Non-disruptive battery exchange Simultaneous LCD and external CRT	
510: External cable has external diskette dr		Demo, and 8 appls: ① Lotus cc:Mail, ② Lotus	s Organizer 1.12.	US EPA Energy Star compliant	
MultiPort).	х г. т.	③ Lotus ScreenCam 1.0, ④ Official Airline		International travelers warranty	
MultiPort: A port replica		Guide Flight Disk 1.0, 5		IBM or dealer warranty/service 30 day money back guarantee	
diskette drive, external display, mouse/		Host, © PRODIGY, ⑦ An ⑧ SofNet FaxWorks 3.0	nenca Unime,	24 hour / 7 day fax support	
	eyboard, and serial device (ships with 510Cs). Plugs into 160 pin connector on back.		irector™) is	24 hour / 7 day bulletin board support	
power saving modes: doze, suspend,		preloaded and on the util	ity diskette for DOS,	24 hour / 7 day telephone support at	
hibernation.			ovides status and info ed. In Windows and	1-800-772-2227	
Batteries in 500 and 5100			ppl for PCMCIA	ThinkPad 500 memory (4, 8 MB IC 3.3 volt) is	
compatible		cards and execute them	automatically. Auto	compatible with ThinkPad 510Cs.	
		Configurator and Memory		ThinkPad 510Cs MultiPort is NOT compatible	
		enables supported PCM	CIA cards by sensing		
≫ Withdrawn from mark		enables supported PCM0 them automatically (so do their device drivers).		with ThinkPad 500.	

any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business days average turnaround). Overnight repair option in US available for \$99. A Price decrease effective July 13 (350C) and Aug 18 (510), 1994. All trademarks are the property of their respective owners No warranties are expressed or implied in this summary (1THINK) Compiled by Roger Dodson, IBM. April 1995

#### IBM ThinkPad 355 - withdrawn

IBM <sup>®</sup> ThinkPad <sup>®</sup> :	355 monochrome	355Cs dual scan co	blor	355C TFT colo	r	
Processor type Processor speed Memory cache Coprocessor socket Removable diskette	All: 80486 SX (no math of All: 33MHz 3.3 volt (SL All: 8KB internal (no L2 of All: No All: 3.5" 1.44MB O	coprocessor) Enhanced)	2001	11 1 0010		ALL 355 MODELS Liftable (pop-up) keyboard to access and remove:
Price (retail USD) Type - model Removable disk - size Hard drive - speed Available date	\$1,899 2619-115 <b>125MB <sup>I</sup></b> 15ms ○ June 94	\$2,599 2619-K20 <b>170MB </b> 15ms ○ June 94	\$2,849 2619-K25 <b>250MB </b> 14ms ○ June 94	\$3,399 2619-L50 <b>125MB</b> 15ms O July 94	250MB	1 diskette drive 2 disk 3 battery 4 memory
Display - type Display - grey scales Display - techology Display - light source Display - size (diag) Display - contrast ratio 180 degree display tilt	VGA mono 64 grey scales 640x480 STN LCD - Backlit 9.5 inch 18 to 1 Yes	VGA color         VGA color           256 colors 640 x 480         256 colors 640 x 48           STN - passive matrix         TFT - active matrix           LCD - Backlit         LCD - Backlit           9.5 inch Dual scan         8.4 inch           20 to 1         100 to 1           Yes         Yes			s 640 x 480 <b>ive matrix</b>	
Graphics - controller Graphics - vendor Graph - arch/data path Memory - std / max	All: WD90C24A2 with 1N All: Western Digital / Ext All: VL-Bus / 32-bit VES/ All: 4 / 20MB 70ns	ernal SVGA to 1024 A local bus / Simulta	x768 with 256 colo	ors	reduce weight, 2 (CDPD), 3 (3550	n be removed <sup>®</sup> to to insert cellular modem C only) to insert TV Tuner CR playback), or ® to ado
Vem - sockets empty Vem - options available	All: 1 socket (non-parity All: 4, 8, 16MB ICs (5.0 v				other third party of	
Keyboard / # of keys Fn key functions Keyboard slope Mouse/pointing Ext keyboard support	All:       Full size alp/num/85         All:       10 (in any appl)         All:       Yes (legs pop out)         All:       TrackPoint II™         All:       Yes (with optional call)		Fn + F3 = Fn + F4 = Fn + F5 =	= Fuel guag = Standby = Suspend = Audio off/c = Audio on/u	Fn + F8 = Fn + F9 = down Fn + F11 =	<ul> <li>Ext display/LCD</li> <li>Reverse video (mono)</li> <li>Hi-intensity text (mono)</li> <li>Power mgmt</li> <li>Hibernation mode</li> </ul>
Dimensions Cubic inches Carrying case Color Weight (with battery)	11.7 x 8.3 x 1.7" 165 inches Many options Black 5.6 pounds	11.7 x 8.3 x 194 inches Many option Black 6.2 pounds		11.7 x 8.3 185 inche Many opt Black 6.1 pound	es ions	
Battery - type Batt - life (per battery) Charge time - on / off	Nickel hydride 4.6 to 10 hours 2 hrs / 1.5 hr	Nickel hydri 3 to 7 hours 2 hrs / 1.5 h		Nickel hydride 3.5 to 7 hours 2 hrs / 1.5 hr		
Architecture Docking Station Port replicator Data/fax modem PCMCIA 2.01 slots Serial / parallel ports	All: AT bus (ISA) All: No All: No All: 2400 data / 4800 receive fax / 9600 send fax All: 1 Type I or 1 Type II or 1 Type III All: Yes (one 9 pin) / Yes			a is s re	nd 755) is optional. lower cost, easy to witch control is requ	(standard in ThinkPad 750 The ThinkPad 355 battery use because no storage- ired, and shows % of pared to hours of remaining
Other features	All: APM-aware BIOS / S All: Wallmount AC adapt All: Hibernation mode s	er without powercon saves memory to dis	sk and shuts off svs	stem		
Security Preinstalled software	All: Power-on password All: MS DOS 6.21, Winde	/ Hard disk passwo	rd / Hardware secu	rity loop / P	CMCIA card lock / O	ptional Security Base
	<ul> <li>Works for Window</li> <li>ThinkPad Index, 4</li> <li>Triton CoSessions</li> </ul>	s, <sup>(2)</sup> ThinkPad Fitne Official Airline Guid	ess, de Flight Disk <sup>®</sup> 1.0,		fNet FaxWorks™ 3.(	0
Warranty	All: 1 year - carry in to re	· · ·	optional onsite for \$ 355, 360, 750, and 7			
755. EasyPlaying (PC Card preinstalled and on the Windows and OS/2; it 1 on PCMCIA cards insta OS/2, it can register ar and execute them auto Configurator and Mem enables supported PC them automatically (so their device drivers). T ThinkPads 355, 360, 5	ThinkPad 360, 750, and Director™) is utility diskette for DOS, provides status and info alled. In Windows and appl for PCMCIA cards matically. Auto ory Device Driver MCIA cards by sensing do not need to install his utility ships with 10Cs, and 755 family.	family: - Hard disks (170, - 1.44MB diskette - CDPD Mobile Co - Keyboard/mouse - 355 battery does - 355 battery does - 355, but 750/758 - Quick Charger - AC Adapter Memory from Thin is NOT compatible IC Memory from T and 755 will work I ThinkPad 750 and	250, 340, 540, 810 drive ommunications Mode e connector s not work in ThinkP 5 battery will work in akPad 350, 500, and e in 355 (or 360). hinkPad 700, 720, 7 but without parity.	0MB) dule Pad 750/ 1 355 d 510Cs 750,	3 power saving mod and hibernation Personalized namep External VGA is ISC Upgradeable disks: 540MB, 810MB (a Battery life indicator Non-disruptive batte US EPA Energy Sta <b>IBM or retailer warr</b> <b>30 day money back</b> <b>24 hour / 7 day bull</b> <b>24 hour / 7 day bull</b> <b>24 hour / 7 day tele</b>	170MB, 250MB, 340MB, Il 2.5 inch) ery exchange r compliant <b>santy/service</b> <b>s guarantee</b> <b>support</b> letin board support
Easy-Setup is entered turning on. Easy-Setup are located in Flash me	o, BIOS, and diagnostics		in ThinkPad 355C:		1-800-772-2227	

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#### IBM ThinkPad 360 - withdrawn

BM <sup>®</sup> ThinkPad <sup>®</sup> :	≫ <b>360</b> monochrome	≫ 360Cs dual scan color	≫ 360C TFT color	≫ 360P color pen	→ Traveling Multimedi preconfigured system
Processor type Processor speed Memory cache Coprocessor socket Removable diskette	All: 80486 SX (no math All: 33 MHz 3.3 volt (S All: 8 KB internal (no L2 All: No All: 3.5" 1.44 MB O	coprocessor) L Enhanced) 2 cache) The remove optional 'FD	d diskette drive can be u D External Kit' (includes d Port Replicator Model 1	The 360P supports <b>pen</b> based applications sed externally via the cable and enclosure;	A preconfigured system A preconfigured, multimedia <b>360Cs;</b> Available June 94; Withdrawn May 1995 Part #2337290
Price (retail USD) Type - model Removable disk - size Hard drive - speed Available date	\$1,899 \$2,299 2620-00D 2620-00F <b>170 MB</b> <b>340 MB</b> 15 ms 14 ms May 94 / withd May 95	\$2,349 2620-20D 170 MB 340 MB 15 ms 14 ms	\$ 2,299 <b>*</b> \$ 2,599 <b>*</b> 2620-30D 2620-30F 170 MB <b>U</b> 340 MB <b>U</b>	\$2,899 \$3,399 2620-50D 2620-50F <b>170 MB 340 MB 1</b> 15 ms 0 14 ms 0	\$5,299 Included with the IBM Traveling Multimedia: Hardware:
Display - type Display - grey scales Display - techology Display - light source Display - size (diag) Display - contrast ratio 180 degree display tilt	VGA mono 64 grey scales 640x480 STN LCD - Backlit 9.5 inch 18 to 1 Yes	VGA color 256 colors 640 x 480 STN - passive matrix LCD - Backlit 9.5 inch <b>Dual scan</b> 20 to 1 Yes	VGA color 256 colors 640 x 480 TFT - active matrix LCD - Backlit 8.4 inch 100 to 1 Yes	VGA color 256 colors 640 x 480 STN - passive matrix LCD - Backlit 9.5 inch <b>Dual scan</b> 18 to 1 Yes	<ul> <li>360Cs (all features listed on left)</li> <li>16 bit Mwave® audio chip on adapter card</li> <li>Stereo in/out jacks</li> <li>340 MB removable hard disk</li> <li>8 MB memory (4 MB</li> </ul>
Graphics - controller Graphics - vendor Graph - arch/data path	All: WD90C24A2 with 1 All: Western Digital / Ex All: VL-Bus / 32 bit VES	ternal SVGA to 1024 x 7	768 with 256 colors	Incudes untethered stylus to write on pen-enabled screen	std + 4 MB IC DRAM) - 14.4 Data/Fax modem (PCMCIA)
Memory - std / max Mem - sockets empty Mem - options available Keyboard / # of keys Fn key functions Keyboard slope Mouse/pointing	All: 4 / 20 MB 70 ns         All: 1 socket (non-pari         All: 4, 8, 16 MB ICs (5.0         All: Full size alp/num/8:         All: 10 (in any appl)         All: Yes (legs pop out)         All: TrackPoint II™	ty) cellular modem volts) screen TV/VCR 5 Fn + F2 = Fue Fn + F3 = Star Fn + F4 = Sus Fn + F5 = Aud	guage         Fn + F7 =           idby         Fn + F8 =           pend         Fn + F9 =           io off/down         Fn + F11 =	o insert TV Tuner (on ther third party options. Ext display/LCD Reverse video (mono) Hi-intensity text (mono) Power mgmt	<ul> <li>Dock I (Docking Station)</li> <li>CD-ROM/XA - double speed and Kodak Photo CD multisession</li> <li>Dock I Carrying Case</li> <li>Interlink<sup>®</sup> ProPoint<sup>™</sup></li> </ul>
Ext keyboard support Dimensions Cubic inches Carrying case Color Weight (with battery)	All: Yes (with optional c 11.7 x 8.3 x 1.7" 165 inches Many options Black 5.6 pounds	able) Fn + F6 = Aud 11.7 x 8.3 x 2.0" 194 inches Many options Black 6.2 pounds	io on/up Fn + F12 = 11.7 x 8.3 x 1.9" 185 inches Many options Black 6.1 pounds	Hibernation mode 11.7 x 8.3 x 2.1" 204 inches Many options Black 6.8 pounds	Software: - Asymetrix® COMPEL (on screen multimedia presentations) - Asymetrix MediaBlitz! (library of media clips
Battery - type Batt - life (per battery) Charge time - on / off	Nickel hydride 4.6 to 10 hours 2 hrs / 1.5 hr	Nickel hydride 3 to 7 hours 2 hrs / 1.5 hr	Nickel hydride 3.5 to 7 hours 2 hrs / 1.5 hr	Nickel hydride 3.3 to 7 hours 2 hrs / 1.5 hr	- LapLink <sup>®</sup> V - Picture Factory <sup>™</sup> - TalkWorks <sup>™</sup>
Architecture Docking Station Port replicator Modem/serial slot PCMCIA 2.01 slots Serial / parallel ports Other features	All: Yes (Port Replicato All: No All: 2 Type I or 2 Type All: Yes (one 9 pin) / Ye All: APM-aware BIOS/	II: AT bus (ISA) II: Yes (Dock I and II; same as 750/755) II: Yes (Port Replicator I and II) An intelligent battery (standard in ThinkPad 750 and 755) is optional. The ThinkPad 360 battery is lower cost, easy to use because no storage-			
Security	All: Power-on password	/ Hard disk password /	Hardware security loop	PCMCIA card lock / Op	tional Security Base
Preinstalled software Warranty	<ul> <li>③ Lotus ScreenCan</li> <li>⑤ Triton CoSession</li> </ul>	-mail for Advantis <sup>®</sup> netw n 1.0,	ork. 2 Lotus Organizer '	1.12, ① PenDOS <sup>®</sup> 2.2 ③ Windows for F SofNet FaxWorks™ 3.0	oftware to left and 2, ② IBM ThinkWrite, Pen Computing 1.0
The ThinkPad 360 fam	, ,	Compatible in all 360, - Hard disks (170, 25, - 1.44 MB diskette dr - Dock I and Dock II	, 750, and 755 family: 0, 340, 540, 810 MB)	FEATURES OF 360 3 power saving mode and hibernation	es: standby, suspend,
Windows and OS/2; it p on PCMCIA cards insta OS/2, it can register an and execute them auto Configurator and Memu enables supported PCI them automatically (so their device drivers). T ThinkPads 360, 510Cs Easy-Setup is entered	e utility diskette for DOS, provides status and info alled. In Windows and a appl for PCMCIA cards imatically. Auto ory Device Driver MCIA cards by sensing do not need to install 'his utility ships with s, and 755 family. by holding F1 when p, BIOS, and diagnostics	<ul> <li>Port Replicator I and</li> <li>CDPD Mobile Modu</li> <li>FDD (diskette) Extered</li> <li>Keyboard/mouse condition</li> <li>360 battery does not 755, but 750/755 bared</li> <li>Quick Charger</li> <li>AC Adapter</li> <li>Memory from ThinkPared</li> <li>is NOT compatible in</li> </ul>	ile (not pen models) irnal Attachment kit onnector it work in ThinkPad 750/ atd 350, 500, and 510Cs 360. IC Memory from 50, and 755 will work but 5 options ThinkPad 360C:	External VGA is ISO Upgradeable disks: 1 540 MB, 810 MB (a Battery life indicator Non-disruptive batter US EPA Energy Star International travele IBM or dealer warrar 30 day money back 24 hour / 7 day fax s	70 MB, 250 MB, 340MB, Il 2.5 inch) y exchange compliant ers warranty nty/service guarantee upport tin board support hone support at

ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business day average turnaround). Overnight repair option in US available for \$99.
 STN = Super twisted nematic; □ = Upgradeable; ○ = Removable
 A Price decrease effective January 26, 1995; > Withdrawn from marketing

#### IBM ThinkPad 360CSE / CE - withdrawn

IBM <sup>®</sup> ThinkPad <sup>®</sup> :	≫360CSE			≫360CE			т	10 360		the same as the	
IBM® ThinkPad®:	dual scan co	lor		TFT color					) (older mod		
Processor type Processor speed Memory cache Coprocessor socket Removable diskette Removable CD-ROM	8 KB interna Integrated in						io, Dua SX - 33 nath co	BMHz		360CSE / CE Dual scan, TFT 486DX2 - 50/25 MHz Integrated math cop 170, 340, 540 MB std More preloaded appls	
Price (retail USD) Type - model Removable disk - size Hard drive - speed Available date	Oct 94 / with	drawn Dec 95						0G B	<i>Liftable</i> ( access a	LL 360 MODELS (pop-up) keyboard to nd remove diskette sk, battery, and	
Display - type Display - colors Display - techology Display - size (diag) Display - size (diag) Display - contrast ratio 180 degree display tilt Graphics - controller Graphics - vendor Graph - arch/data path Memory - std / max Mem - sockets empty Mem - options available	9.5 inch 20 to 1 Yes WD90C24A Western Dig VL-Bus local 4 MB / 20 MI 1 socket	eous colors passive matri: or A2 with 1 M ital / External bus / 32 bit / 3 3 70 ns / non			eous colo matrix	ors	5 Hz)	exter Kit' (in to the Dock Diske 1 to 2 to 3 to an	nally via the ncludes cable Port Replic I and II. ette drive car reduce weig insert cellul	ar modem (CDPD) uner (for on screen TV back)	
Keyboard / # of keys Fn key functions Keyboard slope Mouse/pointing Ext keyboard support		num / 85 keys I) p out) I™	5					5 to P - IE	REINSTAL	hird party options LED APPLICATIONS 6.3	
Dimensions Cubic inches Color Weight (with battery)	11.7 x 8.3 x 2 194 inches Black 6.2 pounds		<ul> <li>Windows 3.11</li> <li>11.7 x 8.3 x 1.9"</li> <li>185 inches</li> <li>Black</li> <li>6.1 pounds</li> <li>Nickel hydride (NiMH)</li> <li>Windows 3.11</li> <li>IBM PC Card Director for P</li> <li>IBM ThinkPad Demo</li> <li>Online Users Guide</li> <li>ThinkPad features</li> <li>Lotus<sup>®</sup> cc:Mail, e-mail for A</li> </ul>						Director for PCMCIA Demo Guide ures		
Battery - type Batt - life (per battery) Charge time - on / off	Nickel hydric 2.9 to 7 hour 2 hrs / 1.5 hr	S	3.2 to 7 hours 2 hrs / 1.5 hr					n 2. L	network, Lotus Organizer 1.12, Lotus ScreenCam 1.0,		
Architecture Docking Station Port replicator Modem/serial slot PCMCIA <sup>TM</sup> 2.1 slots Serial / parallel ports	AT bus (ISA) Dock I and II Port Replica No <b>2 Type I or 2</b> Yes (one 9 p		Type III Yes (EPP)					4. C 5. T 6. P 7. A 8. S	Official Airline Guide Flight Disk <sup>®</sup> 1.0, Triton CoSession™ Host, PRODIGY <sup>®,</sup> America Online <sup>SM</sup> ,		
Other features Security	APM-aware Some model retractable p <b>Hibernation</b> Power-on pa	BIOS / Selecta s will have Wa rongs, 30 watt <b>mode</b> saves issword / Harc	table boot /allmount AC adapter without powercord with tts s memory to disk and shuts off system rd disk password / Hardware security loop /					10. S 11. F 12. A 13. S 14. C	econd Natur arallon <sup>®</sup> Rep IphaNet™ Fo edona REPF ©MPEL™ P		
Preinstalled software Warranty	IBM DOS 6.3	, Windows™:	onal Security Base 13.11, and all appls listed to right: erv (optional onsite for \$40)					15. 1		ney Network	
The ThinkPad 360 fami physical design as the family. PC Card Director™ (Ea and on the utility diskett OS/2. It provides: ① automatic config of ② visual/audible confir removal of cards; ③ ability to automatica async emulation) wf ④ status and info on P Easy-Setup is entered b	ThinkPad 750 syPlaying) is p te for DOS, W mation of inse Illy launch an a nen card inser CMCIA cards	and 755 preinstalled indows and A cards; rtion/ appl (e.g. ted; installed.	340 M 540 N 810 N - Dock I (1 sl - Dock II (2 sl - Port Replica - Port Replica - 1.44 MB disl - 2.88 MB disl	family, 755CS /IB IDE disk /IB IDE disk /IB IDE disk /IB IDE disk /IB IDE disk /IB IDE disk (IDE disk /IB IDE disk /IDE disk /	E / CE, 79 66G 84G 84G 84G 84G 84G 84G 84G 84G 84G 84	55CD: 2849 2391 2849 2150 8250 )001 3587 3510 3520 n newe 0108		oower and hib ersona ternal ograde 540 ME attery li on-disr	saving mode ernation lized namep VGA is ISO	yexchange	
Battery compatibility: are located in flash mer Battery compatibility: 84G2392 360 NiMH b 66G2846 750 NiMH b 85G1513 NiMH Batt F Y = battery supported; I ThinkPad EasyServ™: c	, BIOS, and d nory. <u>All</u> All <u>360</u> 75 attery Y N attery Y N Pack II N N N = not suppo	iagnostics 755 755 C/ C/ CSE/ O CS CD N N N N Y N N Y rted		55, 755CSE / e module hinkPad 350, 5 e in 360, IC M 720, 750, and 7 y. TFT models - 5CE, 755CD 66G3689	CE: 71G2560 500, and 5 emory fro 755 will w 360C, 36	510Cs m ork 60CE,	s is In 24 IB 01 30	ternat hour bo M or c nline H day r	varranty ional Warra / 7 day telej aard, fax, an lealer warra Housecall (i noney back	ohone, bulletin d electronic support nty/service remote diagnostics)	

ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business day average turnaround). Overnight repair option in US available for \$99.
 □ = Upgradeable; ○ = Removable; ♣ Price decrease effective February 14, 1995.

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#### IBM ThinkPad 360PE - withdrawn

IBM <sup>®</sup> ThinkPad <sup>®</sup> :	≫ 360PE		The ThinkPad 360PE has the same features as 360CSE except			
Processor type Processor speed Memory cache Coprocessor socket Removable diskette Removable CD-ROM	dual scan color - pen 80486 DX2 50/25 MHz 3.3 volt (SL E 8 KB internal (no L2 cach Integrated in 486DX2 3.5" 1.44 MB O / supports None	e)	<ul> <li>Display folds d</li> <li>16 bit audio con</li> <li>Audio in and au</li> <li>PenDOS, Pen N</li> </ul>	display patteryless stylus (pen) s down to flat position to write on codec (vs no audio) l audio out jacks n Windows, and Monologue preinstalled ersal AC adapter (vs 30 watt)		
Price (retail USD) Type - model Removable disk - size Hard drive - speed Avail / withdrawn date		D-BOG MB 🖵 🔿 NS			ALL 360 MODELS Liftable (pop-up) keyboard to access and remove diskette drive, disk, battery, and	
Display - type Display - colors Display - techology Display - size (diag) Display - pen enabled	VGA color / 640 x 480 256 simultaneous colors Dual scan - passive matri 9.5 inch / 20 to 1 contras Pen enabled screen / fol		d batteryless stylus	exte	memory removed diskette drive can be used rnally via the optional 'FDD External includes cable and enclosure) to the	
Graphics - controller Graphics - vendor Graph - arch/data path		/B DRAM SVGA to 1024 x 768 with 25 Simultaneous LCD and CRT		Port and	Replicator Model I and II and Dock I II.	
Memory - std / max Mem - sockets empty Mem - options available	4 MB / 20 MB 70 ns / nor 1 socket 4, 8, 16 MB ICs	n-parity / 5.0 volt		① to	ette drive can be removed o reduce weight o add other third party options	
Keyboard / # of keys Fn key functions Keyboard slope Mouse/pointing Ext keyboard support Dimensions Cubic inches Color	Full size alp/num / 85 keys 8 (in any appl) Yes (legs pop out) TrackPoint II™ Yes (with optional cable) 11.7 x 8.3 x 2.1" 204 inches Black 6 8 poundo	Memory options: 4 MB IC DRAM 70 ns 5v 8 MB IC DRAM 70 ns 5v 16 MB IC DRAM 70 ns 5v 4 MB IC DRAM 70 ns 5v 8 MB IC DRAM 70 ns 5v 16 MB IC DRAM 70 ns 5v	paritý 92G723 parity 92G723 non-parity 92G723 non-parity 92G723	3   P 4   6   - IB 7   - Pe 4   - IB - W	REINSTALLED APPLICATIONS M PC DOS 6.3 enDOS <sup>®</sup> 2.2 IM ThinkWrite 1.21 indows 3.11 indows for Pen computing <sup>®</sup> 1.0	
Weight (with battery) Battery - type Batt - life (per battery) Charge time - on / off	6.8 pounds Nickel hydride (NiMH) 3 to 7 hours 2 hrs / 1.5 hr			- IB - O	BM PC Card Director for PCMCIA nline Users Guide hinkPad features otus® cc:Mail, for the IBM Global®	
Architecture Docking Station Port replicator PCMCIA™ 2.1 slots Serial / parallel ports	AT bus (ISA) Dock I and II Port Replicator I and II <b>2 Type I or 2 Type II or 1</b> Yes (one 9 pin) / Yes (EPI	<b>Type III</b> P)		ne 2. Lo 3. Lo 4. Of 5. Tr	etwork btus Organizer 1.12 btus ScreenCam 1.0 fifcial Airline Guide Flight Disk <sup>®</sup> 1.0 'iton CoSession™ Host	
Audio support Audio in/out jack Other features Security	Input jack / output jack APM-aware BIOS / Select AC adapter, 35 watts, wor Hibernation mode saves r Power-on password / Harc		system ecurity loop (secures	7. Ar 8. So 9. Ta 10. Se 11. Fa 12. Al	econd Nature Screen Saver arallon <sup>®</sup> Replica™ IphaNet™ FollowFax™	
Preinstalled software Warranty Warranty options	IBM DOS 6.3, Windows™ 1 year - ThinkPad EasySe	3.11, pen op systems, and a	II appls listed to right:	14. CO	edona REPRINT™ OMPEL™ Personal Edition euters <sup>sm</sup> Money <sup>®</sup> Network onologue™	
<ul> <li>and on the utility diskets</li> <li>OS/2. It provides:</li> <li>automatic config of a visual/audible confir removal of cards;</li> <li>ability to automatica async emulation) wil</li> <li>status and info on P</li> </ul>	ThinkPad 750 and 755 syPlaying) is preinstalled te for DOS, Windows and many PCMCIA cards; rmation of insertion/ ally launch an appl (e.g. hen card inserted; 'CMCIA cards installed.	Compatible in all 360 family, all 755 family: - Disks: 170 MB IDE 250 MB IDE 340 MB IDE 810 MB IDE - Dock I (1 slot / 1 bay) - Dock II (2 slot / 2 bay) - Port Replicator I (w/ PCM - Port Replicator II - 1.44 MB diskette	66G2847 84G2391 66G2849 84G2150 84G8250 3545001 3546001 ICIA) 66G3510	3 power and hik Persona External Upgrade 540 MI Battery I Non-disi	FEATURES OF 360 FAMILY saving modes: standby, suspend, bernation lized nameplate in molded indentation IVGA is ISO capable (75 Hz) eable disks: 170 MB, 250 MB, 340MB, B, 810 MB (all 2.5 inch) ife indicator ruptive battery exchange Energy Star compliant	
Easy-Setup is entered I turning on. Easy-Setup are located in flash mer ThinkPad 360PE suppo - 360 NiMH battery - 750 NiMH battery - 750 QuickCharger	o, BIOS, and diagnostics mory.	Options for 360PE: - AC Adapter, 35 watts - AC Adapter, 40 watts - AC Adapter, 40 w, wallmoder - Car Battery Adapter Memory from ThinkPad 350 is NOT compatible in 360. I from ThinkPad 700, 720, 75 work but without parity.	49G2167 , 500, and 510Cs C DRAM memory	Internat 24 hour bo IBM or o Online I	HELPWARE varranty tional Warranty Service 7 / 7 day telephone, bulletin bard, fax, and electronic support dealer warranty/service Housecall (remote diagnostics) noney back guarantee	

ThinkPad EasyServ<sup>™</sup>: customer calls 1-800-772-2227, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business day average turnaround). Overnight repair option in US available for \$99. □ = Upgradeable; O = Removable; > = Withdrawn from marketing

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# IEM ThinkPad 365 (non-CD-ROM models) - withdrawn

IBM <sup>®</sup> ThinkPad <sup>®</sup> :	≫ 365CS		≫ 3				ThinkPad 365 strengths:	
<u> </u>	10.4" dual scan		10.4				Entry-priced notebook	
Processor Processor upgrade Memory cache Diskette drive CD-ROM	Cyrix Cx486DX4 <sup>™</sup> 75/25 I None 8 KB in DX4 (write back) / Internal 3.5" 1.44 MB (not r None (cannot upgrade)	no L2 cache				<ul> <li>Extensive software preload</li> <li>Infrared port</li> <li>Optional Port Replicator with battery charger and palm rest</li> </ul>		
Price Type - model <b>all 2625</b> Part number Preload (see side) Disk - capacity Disk - ms / interface Avail / withdrawn date	SelSys         Win 95         SelSys           340 MB         340 MB         540 MB	W12         2625-305         2625-W13           12         41H8661         38H5714         41H8662           s         Win 95         SelectaSystem         Windows 95 <b>540 MB 540 MB 540 MB</b> 13 ms / EIDE           995 / Jun 96         Nov 95 / Jun 96         Nov 1995 / Jun 96				SELECTASYSTEM PRELOAD - IBM DOS 7.0 - Windows 3.11 - OS/2 <sup>®</sup> Warp 3.0 (dual boot) with selected BonusPak applications		
Display - diagonal size Display - type Display - colors Display - contrast	<b>10.4" Dual scan</b> <b>VGA color / 640 x 480</b> 256 simultaneous colors 30 to 1	10.4" Black Matrix TFT - active matrix VGA color / 640 x 480 262,144 simultaneous colors 100 to 1			480	<ul> <li>IBM PC Card Director<sup>™</sup> 1.4</li> <li>IBM ThinkPad Demo</li> <li>Online Users Guide</li> <li>ThinkPad features ; Diskette Factory</li> <li>Lotus<sup>®</sup> cc:Mail<sup>™</sup>, e-mail for IBM Global<sup>®</sup></li> </ul>		
Graphics - controller Graphics - memory Graphics - external Graph - arch/data path	Chips and Technologies™ 512 KB DRAM External SVGA to 1024 x 7 VL-Bus 2.0 local bus / 32 b	768 w/ 256 c	l 1 ME olors i	s and Technol B DRAM up to 70 Hz LCD and CRT	0		Network 2. Lotus Organizer™ 3. Lotus ScreenCam™ 4. Triton CoSession™ Host	
Memory - std / max Memory - upgrade Keyboard / # of keys	8 MB / 24 MB 70 ns / non 1 socket for one JEDEC 72 Full size alp/pum / 85 / 8 E	2 pin ŠO DIN	/M of	4 or 16 MB	n-un) kev	boardto	<ol> <li>5. PRODIGY<sup>®</sup></li> <li>6. SofNet FaxWorks<sup>™</sup></li> <li>7. Video For Windows<sup>™</sup> Runtime</li> </ol>	
Keyboard slope Pointing Ext keyboard support	Yes (legs pop out) <b>TrackPoint III</b> <sup>™</sup> Yes (with option cable or P					<ol> <li>8. Puma TranXit<sup>™</sup></li> <li>9. Compuserv for Windows</li> <li>10. NetFinity for Windows and OS/2</li> </ol>		
Dimensions (cubic in) Weight (with battery) Battery - type Battery - life Charge time - on / off	11.7 x 8.3 x 2.0" (194 cubic 5.9 pounds NiMH/non-intelligent 3 to 9 hours 6 hrs / 2 hrs	5.8 pounds					WINDOWS 95 PRELOAD - Microsoft Windows 95 - IBM ThinkPad Demo - Online Users Guide - ThinkPad features; Diskette Factory	
Architecture Docking Station Port replicator PCMCIA™ 2.1 slots Serial / parallel ports Other features	VL-Bus 2.0 / 32 bit / 25 MH None Port Replicator and Charge 2 Type I or 2 Type II or 1 T One 9 pin; 16550A / one (II	ICIA, diskette, serial, parallel, 100 pin external expansion) bit / 25 MHz (graphics, disk) and Charger (with built-in battery charger and palm rest) pe II or 1 Type III DA / one (IEEE P1284, EPP, ECP, bidirectional) S / Universal AC adapter (35 watts) / Phoenix™ BIOS				<ol> <li>Lotus<sup>®</sup> cc:Mail<sup>™</sup>, e-mail for IBM Glóbal<sup>®</sup> network</li> <li>Lotus Organizer<sup>™</sup></li> <li>Lotus ScreenCam<sup>™</sup></li> <li>Triton CoSession<sup>™</sup> Host</li> <li>PRODIGY<sup>®</sup></li> <li>SofNet FaxWorks<sup>™</sup></li> <li>Puma TranXit<sup>™</sup></li> <li>Compuserve for Windows</li> </ol>		
MPEG decoder Data/fax modem Audio support Audio in/out jacks Infrared ports	None None None Infrared port in back / IrD							
Security	Power-on password / Supe (Kensington™ MicroSaver	ervisor pass	word	/ Locking device	ce keyhole			
Preinstalled software Warranty	Choice of two preloaded co 1 year - ThinkPad EasySe				otion) or ca	arry-in	-	
The <b>Port Replicator</b> a cable management, a optional second batter installed on the system replication.	battery charger for an	- 16 MB SC - 720 MB E - 810 MB E	DIMM DIMM IDE H	13.3v non-parit 13.3v non-parit IDD 13 ms PIC IDD 13 ms PIC	y 72 pin Mode 3 D Mode 4	42H4012	Disk is not removable (like 755/760	
The Port Replicator ca whether or not a Think When the ThinkPad is Replicator, it will attern	- 1.08 GB EIDE HDD 13 ms Mode 4 69H7956 - Port Replicator and Charger 38H6303 - NiMH Battery Pack 38H6304 Setup is entered by Ctrl + Alt + F11 from any				38H6303 38H6304	systems), but it can be upgraded via tools FEATURES OF 365 MODELS Product Map		
charging the battery in the Port Replicator.Port Replicator and Charger connectors: $Fn + F2 = Ba$ - Serial (RS-232, 9 pin) $Fn + F4 = S1$ - Parallel (EPP, ECP, 25 pin) $Fn + F4 = S1$ - External display (15 pin) $Fn + F8 = R1$ - Keyboard $Fn + F12 =$ - Mouse $Fn + F12 =$ - Diskette drive (26 pin) $PgUp = Speat- Game with MIDI support (15 pin)PgUp = Speat$			full-screen DOS prompt Fn + F2 = Battery guage Fn + F3 = Standby Fn + F3 = Standby Fn + F7 = LCD/CRT/Simultaneous Fn + F8 = Reverse video Fn + F11 = Power mgmt Fn + F12 = Hibernation PgUp = Speaker enable PgDn = Speaker disable			-	LED indicator panel Plug and Play 1.0a Non-disruptive battery exchange	
							Doze, standby, suspend, safe suspend, and hibernation modes US EPA Energy Star compliant Personalized nameplate in indention Personalization screen at startup International Warranty Service 24 hour / 7 day telephone, bulletin board, fax, and electronic support	
<ul> <li>Audio in (3.5 mm)</li> <li>Audio out (3.5 mm)</li> <li>DC input connector</li> <li>Spare battery connector</li> </ul>	ctor (to charge 2nd battery)	is lifted up.		bernation mod		eyboard	IBM or dealer warranty/service Online Housecall (remote diagnostics 30 day money back guarantee	

ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business day average turnaround). Overnight repair option in US available for \$99. ≫ = Withdrawn from marketing All trademarks are the property of their respective owners No warranties are expressed or implied in this summary (365) Compiled by Roger Dodson, IBM. June 1996

# IBM ThinkPad 365 (CD-ROM models) - withdrawn

IBM <sup>®</sup> ThinkPad <sup>®</sup> :	≫ 365CSD		≫ 36			ThinkPad 365 (CD-ROM models) strength
Processor	10.4" dual scan - CD Cyrix Cx 486DX4™ 7			TFT - CD-RC		Entry-priced CD-ROM notebook
Processor upgrade Memory cache Diskette (not internal) CD-ROM (not remove)	None 8 KB in DX4 (write-ba External 3.5" 1.44 MB (	ack) / no L2 cache (connects to back o	fsyste	m) / use simult	aneously w/ CD-RON	<ul> <li>▷ Integrated audio, microphone, speake</li> <li>▷ Simultaneous external diskette</li> <li>▷ Joystick/MIDI port</li> <li>▷ Infrared port</li> </ul>
Price Type - model <b>all 2625</b> Part number Preload (see side) Disk - capacity Disk - ms / interface Avail / withdrawn date	38H5724         4           SelectaSystem         W           540 MB         5           13 ms / EIDE         1	625-W14 1H8663 Vindows 95 <b>40 MB</b> 3 ms / EIDE lov 95 / Jun 96	<b>540 N</b> 13 ms	726 taSystem	2625-W15 41H8664 Windows 95 <b>540 MB</b> 13 ms / EIDE Nov 95 / Jun 96	SELECTASYSTEM PRELOAD - IBM DOS 7.0 - Windows 3.11 - OS/2 <sup>®</sup> Warp 3.0 (dual boot) with selected Bonus Pak applications
Display - diagonal size Display - type Display - color Display - contrast		30	10.4" Black Matrix TFT - active matrix VGA color / 640 x 480 262,144 simultaneous colors 100 to 1			<ul> <li>→ IBM PC Card Director<sup>™</sup> 1.4</li> <li>→ IBM ThinkPad Demo</li> <li>→ Online Users Guide</li> <li>→ ThinkPad features ; Diskette Factory</li> <li>↓ Lotus<sup>®</sup> cc:Mail<sup>™</sup>, e-mail for IBM Global<sup>®</sup></li> </ul>
Graphics - controller Graphics - external Graph - arch/data path	Chips and Technolog External SVGA to 100 VL-Bus 2.0 local bus	, 24 x 768 w/ 256 c	olors u	p to 70 Hz	7 / 180 degree tilt	Network 2. Lotus Organizer™ 3. Lotus ScreenCam™
Memory - std / max Mem - upgrade	8 MB / 24 MB 70 ns 1 socket for one JED			4 or 16 MB		<ul> <li>4. Triton CoSession™ Host</li> <li>5. PRODIGY<sup>®</sup></li> <li>6. SofNet FaxWorks™</li> </ul>
Keyboard / # of keys Keyboard slope Pointing Ext keyboard support	Full size alp/num / 85 Yes (legs pop out) TrackPoint III™ Yes (with option cable		,	access and (and upgra disk);	<i>pp-up) keyboard</i> to remove battery de memory and	<ul> <li>7. Video For Windows™ Runtime</li> <li>8. Puma TranXit™</li> <li>9. Compuserv for Windows</li> <li>10. NetFinity for Windows and OS/2</li> </ul>
Dimensions (cubic in) Weight (with battery) Battery - type Battery - life Charge time - on / off	11.7 x 8.3 x 2.0" (194 6.4 pounds NiMH/non-intelligent 2.5 to 9 hours 6 hrs / 2 hrs	,	6.3 pc		not removable	WINDOWS 95 PRELOAD - Microsoft Windows 95 - IBM ThinkPad Demo
Architecture Docking Station Port replicator PCMCIA™ 2.1 slots Serial / parallel ports Other features	ISA (audio, PCMCIA, VL-Bus 2.0 / 32 bit / 2 None Port Replicator and C 2 Type I or 2 Type II One 9 pin; 16550A / c APM-aware BIOS / U	25 MHz (graphics, charger (with built- or 1 Type III one (IEEE P1284,	disk) in batt EPP, l	ery charger a ECP, bidirecti	nd palm rest) onal)	<ul> <li>Online Users Guide</li> <li>ThinkPad features; Diskette Factory</li> <li>Lotus<sup>®</sup> cc:Mail<sup>™</sup>, e-mail for IBM Global<sup>®</sup> Network</li> <li>Lotus Organizer<sup>™</sup></li> <li>Lotus ScreenCam<sup>™</sup></li> <li>Triton CoSession<sup>™</sup> Host</li> <li>PRODIGY<sup>®</sup></li> </ul>
MPEG decoder Data/fax modem Audio support Audio in/out jacks	None None 16 bit audio chip / 18 Internal speaker / .5 Input jack (stereo) / m Joystick/MIDI port (in	watt / dial volum hicrophone jack / c cludes Joystick/M	e cont output IIDI cal	t <b>rol / internal</b> jack (stereo) ble)	microphone	<ol> <li>6. SofNet FaxWorks<sup>™</sup></li> <li>7. Puma TranXit<sup>™</sup></li> <li>8. Compuserve for Windows</li> </ol>
Infrared ports Security	Infrared port in back Power-on password /	Supervisor pass	word /	Locking devi	ce keyhole	-
Drainatalladaaftwara	(Kensington™ MicroS	,			quires Kensington)	_
Preinstalled software Warranty	Choice of two preload 1 year - ThinkPad Ea				tion) or carry-in	
The <b>Port Replicator</b> a cable management, a optional second batter installed on the system replication.	battery charger for an	ort - 16 MB SC - 720 MB E - 810 MB E	DIMM DIMM IDE H IDE H	3.3v non-parit 13.3v non-parit DD 13 ms PIC IDD 13 ms PI	y 72 pin 92G7293 D Mode 3 38H6306 D Mode 4 42H4012	Disk is not removable (like 755/760 systems), but it can be upgraded via tools
When the ThinkPad is	Read is connected to it attached to the Port apt to recharge the bat are is one) before	- Port Repl - NiMH Ba	icator a ttery P ntered	by Ctrl + Alt +	ode 4 69H7956 38H6303 38H6304 • F11 from any	FEATURES OF 365 MODELS Product Map LED indicator panel Plug and Play 1.0a Non-disruptive battery exchange
Port Replicator and Cl - Serial (RS-232, 9 pir - Parallel (EPP, ECP, - External display (15 - Keyboard - Mouse - Diskette drive (26 pir - Game with MIDI sup - Audio in (3.5 mm)	n) 25 pin) pin)	$\begin{array}{c} Fn + F2 = 1 \\ Fn + F3 = 2 \\ Fn + F4 = 2 \\ Fn + F7 = 1 \\ Fn + F7 = 1 \\ Fn + F8 = 2 \\ Fn + F11 \\ Fn + F12 \\ PgUp = Sp \\ PgDn = Sp \end{array}$	Standi Suspe LCD/C Revers = Pow = Hibe eaker	nd RT/Simultane se video ver mgmt ernation enable	eous	Doze, standby, suspend, safe suspend, and hibernation modes US EPA Energy Star compliant Personalized nameplate in indention Personalization screen at startup International Warranty Service 24 hour / 7 day telephone, bulletin board, fax, and electronic support IBM or dealer warranty/service Online Housecall (remote diagnostics)
- Audio out (3.5 mm) - DC input connector	ctor (to charge 2nd batt	is lifted up.		bernation mo	de when keyboard	30 day money back guarantee

ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business day average turnaround). Overnight repair option in US available for \$99. ≫ = Withdrawn from marketing All trademarks are the property of their respective owners No warranties are expressed or implied in this summary (365CD) Compiled by Roger Dodson, IBM. June 1996

#### IBM ThinkPad 365E - withdrawn

IBM <sup>®</sup> ThinkPad <sup>®</sup> :	≫ 365E			ThinkPad 365 strengths:
Processor	10.4" dual scan IBM 5x86c™ 100/33 MHz (	Cyrix) / integrated	math coprocessor	<ul> <li>▷ Entry-priced notebook</li> <li>○ Entry-priced notebook</li> </ul>
Processor upgrade Memory cache Diskette drive CD-ROM	None 16 KB in 5x86c (write back Internal 3.5" 1.44 MB (not re None (can not upgrade)	) / no L2 cache	man copiocessoi	<ul> <li>Extensive software preload</li> <li>Infrared port</li> <li>Optional Port Replicator with battery charger and palm rest</li> </ul>
Price Type - model Preload (see side) Disk - capacity Disk - ms / interface Available date Withdrawn date	2625-W9A Windows 95 <b>540 MB</b> 13 ms / EIDE / PIO Mode 3 May 1996 October 1996	3		WINDOWS 95 PRELOAD - Microsoft Windows 95 - Online Users Guide - Diskette Factory - PC Card Director 1.4
Display - diagonal size Display - type Display - colors Display - contrast	10.4" Dual scan VGA color / 640 x 480 256 simultaneous colors 30 to 1			<ol> <li>Triton<sup>™</sup> CoSession<sup>™</sup> Host</li> <li>Puma TranXit<sup>™</sup></li> <li>NetFinity for Windows</li> <li>CompuServ<sup>™</sup> for Windows</li> </ol>
Graphics - controller Graphics - memory Graphics - external Graph - arch/data path	Chips and Technologies™6 1 MB DRAM External SVGA to 1024 x 7 VL-Bus 2.0 local bus / 32 b	68 w/ 256 colors u	up to 70 Hz LCD and CRT / 180 degree tilt	-
Memory - std / max Memory - upgrade	8 MB/24 MB 70 ns/non- 1 socket for one JEDEC 72			-
Keyboard / # of keys Keyboard slope Pointing Ext keyboard support	Full size alp/num / 85 (8 Fr Yes (legs pop out) TrackPoint III™ Yes (with option cable or Po	n key functions) ort Replicator)	Liftable (pop-up) keyboard to access and remove battery (and upgrade memory and disk); diskette drive is not removable	
Dimensions (cubic in) Weight (with battery) Battery - type Battery - life Charge time - on / off	11.7 x 8.3 x 2.0" (194 cubic 5.9 pounds NiMH/non-intelligent 2.5 hours 6 hrs / 2 hrs	cinches)	тептоуаріе	]
Architecture			, 100 pin external expansion)	-
Docking Station Port replicator PCMCIA™ 2.1 slots Serial / parallel ports Other features	None Port Replicator and Charge 2 Type I or 2 Type II or 1 T One 9 pin; 16550A / one (IE APM-aware BIOS / University)	er (with built-in batt ype III EEE P1284, EPP.	ECP. bidirectional)	
MPEG decoder Data/fax modem Audio support Audio in/out jacks Infrared ports	None None None None Infrared port in back / IrD		· · ·	
Security	Power-on password / Supe	ervisor password /		-
Preinstalled software Warranty	Windows 95 with utilities ar	nd applications (lis		
optional second batte installed on the syster replication. The Port Replicator ca whether or not a Thinl	battery charger for an ry, a palm rest when m, and has complete port an charge a battery kPad is connected to it.	- 16 MB SO DIMM - 810 MB EIDE H	13.3v non-parity 72 pin 92G7287 13.3v non-parity 72 pin 92G7293 IDD 13 ms Mode 4 42H4012 IDD 13 ms Mode 4 69H7956 and Charger (old) 38H6303 replaced by 75H7529	
Replicator, it will attempt to recharge the battery			apter - 2 pin 85G6719 by Ctrl + Alt + F11 from any	FEATURES OF 365 MODELS Product Map LED indicator panel
Port Replicator and Charger connectors:- Serial (RS-232, 9 pin)- Parallel (EPP, ECP, 25 pin)- External display (15 pin)- Keyboard- Mouse- Diskette drive (26 pin)- Game with MIDI support (15 pin)- Audio in (3.5 mm)- Audio out (3.5 mm)			tery guage ndby pend J/CRT/Simultaneous verse video ver mgmt emation eaker enable eaker disable	Plug and Play 1.0a Non-disruptive battery exchange Doze, standby, suspend, safe suspend, and hibernation modes US EPA Energy Star compliant Personalized nameplate in indention Personalization screen at startup International Warranty Service 24 hour / 7 day telephone, bulletin board, fax, electronic, and Internet (http://www.pc.ibm.com) support
- DC input connector	ctor (to charge 2nd battery)	is lifted up Disk is not remov	bernation mode when keyboard vable (like 755/760 systems), but ed via a screwdriver	IBM and dealer warranty/sérvice Online Housecall (remote diagnostics)

ThinkPad EasyServ™: customer calls IBM HelpCenter, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business day average turnaround).

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#### IBM ThinkPad 365ED - withdrawn

IBM <sup>®</sup> ThinkPad <sup>®</sup> :	≫ 365ED			ThinkPad 365 (CD-ROM models) strengths
Processor Processor upgrade Memory cache Diskette (not internal) CD-ROM (not remove)	10.4" dual scan - CD-ROM IBM 5x86c <sup>™</sup> 100/33 MHz ( None 16 KB in 5x86c (write-back External 3.5" 1.44 MB (conne ) 5.25" CD-ROM / 4 x speed	Cyrix) / integrated ) / no L2 cache ects to back of system	m) / use simultaneously w/ CD-ROM	<ul> <li>Entry-priced CD-ROM notebook</li> <li>Integrated audio, microphone, speaker</li> <li>Simultaneous external diskette</li> <li>Joystick/MIDI port</li> <li>Infrared port</li> </ul>
Price Type - model Preload (see side) Disk - capacity Disk - ms / interface Available date Withdrawn date	2625-W9G Windows 95 540 MB 13 ms / EIDE / PIO Mode 3 May 1996 October 1996	3		MPC2 compliant     WINDOWS 95 PRELOAD     Microsoft Windows 95     Online Users Guide     Diskette Factory
Display - diagonal size Display - type Display - color Display - contrast				<ul> <li>PC Card Director 1.4</li> <li>Triton CoSession™ Host</li> <li>Puma TranXit™</li> <li>NetFinity for Windows</li> <li>CompuServ™ for Windows</li> </ul>
Graphics - controller Graphics - external Graph - arch/data path		'68 w/ 256 colors u it / Simultaneous l	ιp to 70 Hz LCD and CRT / 180 degree tilt	
Memory - std / max Mem - upgrade	8 MB / 24 MB 70 ns / non 1 socket for one JEDEC 72			
Keyboard / # of keys Keyboard slope Pointing Ext keyboard support	Full size alp/num / 85 (8 Fi Yes (legs pop out) TrackPoint III™ Yes (with option cable or P	. ,	Liftable (pop-up) keyboard to access and remove battery (and upgrade memory and disk);	
Dimensions (cubic in) Weight (with battery) Battery - type Battery - life Charge time - on / off	11.7 x 8.3 x 2.0" (194 cubid 6.4 pounds NiMH / non-intelligent 2.3 hours 6 hrs / 2 hrs	cinches)	CD-ROM is not removable	
Architecture Docking Station Port replicator PCMCIA™ 2.1 slots Serial / parallel ports Other features	ISA (audio, PCMCIA, diske VL-Bus 2.0 / 32 bit / 25 MH None Port Replicator and Charge 2 Type I or 2 Type II or 1 T One 9 pin; 16550A / one (II APM-aware BIOS / University)	lz (graphics, disk) er (with built-in batt ype III EEE P1284, EPP, l	ECP, bidirectional)	
MPEG decoder Data/fax modem Audio support Audio in/out jacks Infrared ports	None None 16 bit audio chip / 18 voic Internal speaker / .5 watt. Input jack (stereo) / microp Joystick/MIDI port (include Infrared port in back / IrD	/ dial volume con hone jack / output s Joystick/MIDI ca	ble)	
Security	Power-on password / Supe	ervisor password /	Locking device keyhole	
Preinstalled software Warranty	Windows 95 with utilities ar	nd applications (list	board lock (requires Kensington) ted to right) ght Repair Option) or carry-in	
optional second batte	battery charger for an ry, a palm rest when n, and has complete port	- 16 MB SO DIMN - 810 MB EIDE H	3.3v non-parity 72 pin         92G7287           13.3v non-parity 72 pin         92G7293           IDD 13 ms Mode 4         42H4012           IDD 13 ms Mode 4         69H7956	
whether or not a Think When the ThinkPad is	kPad is connected to it. s attached to the Port npt to recharge the battery ere is one) before	FEATURES OF 365 MODELS Product Map LED indicator panel Plug and Play 1.0a		
Port Replicator and C - Serial (RS-232, 9 pir - Parallel (EPP, ECP, - External display (15 - Keyboard - Mouse - Diskette drive (26 pi - Game with MIDI sup - Audio in (3.5 mm) - Audio out (3.5 mm)	n) 25 pin) pin) n)	Fn + F8 = Rev Fn + F11 = Pow Fn + F12 = Hibe PgUp = Spe PgDn = Spe	ndby pend D/CRT/Simultaneous errse video ver mgmt ernation eaker enable eaker disable	Non-disruptive battery exchange Doze, standby, suspend, safe suspend, and hibernation modes US EPA Energy Star compliant Personalized nameplate in indention Personalization screen at startup International Warranty Service 24 hour / 7 day telephone, bulletin board, fax, electronic, and Internet (http://www.pc.ibm.com) support IBM and dealer warranty/service
- DC input connector	ctor (to charge 2nd battery)	is lifted up Disk is not remov	bernation mode when keyboard /able (like 755/760 systems), but ed via a screwdriver	Online Housecall (remote diagnostics)

ThinkPad EasyServ<sup>™</sup>: customer calls IBM HelpCenter, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business day average turnaround).

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#### IBM ThinkPad 365X - withdrawn

IBM <sup>®</sup> ThinkPad <sup>®</sup> :	≈ 365X		Key diff	erences between 36	35F and 365X		
	10.4" SVGA TFT or DSTN	color			365E	365X	
Processor type Processor upgrade L2 cache Diskette drive External FDD port Internal CD-ROM	None None (not upgradeable) Internal 3.5" 1.44MB O (n External FDD port (used if	t upgradeable) 3.5" 1.44MB O (not removable) FDD port (used if purchase CD-ROM upgrade) 10.4" V			IOO/33MHz st page (to 24MB) graphics and disk GA 640x480 LCD disk standard	Pentium 100, 120, 133 8MB EDO (to 40MB) PCI graphics and disk SVGA 800x600 810MB or 1.08GB disk 16-bit audio	
Price Type - model Preload (see side) Avail / withdrawn date Disk - size / ms Disk controller	2625-6E7 Windows 95 May 1996 / January 1997 810MB / 13ms m / PIO Mo EIDE / busmaster / PCI 2.1		2625-7E7 <b>Windows 95</b> May 1996 / January 1997 one internal disk	grated audio kBIOS	IBM BIOS with Easy Setup and ThinkPad Features		
Display - size and type Display - techology	10.4 inch DSTN color10.4 inch TFT colorSVGA / 640x480 or 800x600SVGA / 640x480 or 800x600Dual scanBlack Matrix TFT - active matrix256 sim colors / 25 to 1 contrast ratio65,536 simultaneous colors / 100 to 1 colors			atrix	contrast ratio		
Graphics - controller Graph - arch/data path Gaphics - features	Trident™ CYBER9320 / 32- PCI 2.1 / 32-bit / external S Simultaneous LCD and CR	SVGA to 102		AM / 70ns			
Memory - std / max Memory - features	8MB / 40MB 70ns / non-parity / 3.3 volt	/ EDO / 1 so	ocket for one JEDEC 144 pin	EDO SO	DIMMs of 8, 16, or	32MB	
Keyboard / # of keys Keyboard slope Pointing / palm rest	Full size alp/num / 85 (6 Fr Yes (legs pop out) TrackPoint III™ / external k	,	ns) oport (w/ option cable or Port R	Replicator)		VS 95 PRELOAD ows 95	
Dimensions Weight	11.7 x 8.3 x 1.9" (185 cu in) 6.0 pounds (2.7 kg)	remove	(pop-up) keyboard to access battery (and upgrade memor	ry and	<ul> <li>Online User's G</li> <li>ThinkPad Feature</li> <li>PC Card Direct</li> </ul>	ures	
Battery - type Battery - life (1 batt) Charge time - on / off	NiMH/non-intelligent 2.5 hours 1.5 hrs / 1.2 hrs	aisk); ai	iskette drive is not removable	e	<ul> <li>Diskette Factor</li> <li>1. Triton CoSession</li> <li>2. Compuserv for</li> </ul>	y on™ Host	
Architecture Docking Station Port replicator PCMCIA™ 2.1 slots Serial / parallel ports Other features	2 Type l or 2 Type II or 1 Ty One 9 pin; 16550A / one (IE	EIDE, graph er (with built-i pe III EEE P1284- <i>A</i>	ics) n battery charger and palm res	,	<ul> <li>3. NetFinity for Windows 95</li> <li>4. Puma TranXit™</li> <li>- Lotus SmartSuite 96 CD-ROM</li> </ul>		
Video in/out MPEG decoder Data/fax modem Audio support Audio in/out jacks Infrared ports	One internal speaker / .5 v Input jack (stereo) / microp	ne ne					
Security	Power-on pwd / Hard disk r (Kensington™ MicroSaver	owd / Superv cable lock)	visor pwd / Locking device key ) / keyboard lock (requires Ken	/hole isington)			
Preinstalled software Warranty	Microsoft Windows 95 wth a <b>1 year</b> - ThinkPad EasySer	applications v (optional C	(listed on right) Overnight Repair Option) or car	rry-in	when turning on.	ered by holding F1	
cable management, a optional second batter	Ind battery, a palm rest when the system, and has complete port       - 16MB SO DIMM 3.3v NP EDO 64-bit       92G73         - 32MB SO DIMM 3.3v NP EDO 64-bit       92G73         - 810MB EIDE HDD 13ms       42H40         - 1.08GB EIDE HDD 13ms       69H79			2 <b>G7342</b> H4012 H7956		Node 2 or PIO Mode 4 Mode 2 or PIO Mode 4	
whether or not a Think When the ThinkPad is Replicator, it will attem in ThinkPad first (if the	FinkPad is connected to it.       - Port Replicator and Charger       75H7529         ad is attached to the Port       - NiMH Battery Pack       38H6304         attempt to recharge the battery       - 355X 4 x CD-ROM Drive       73H7225				Quick Setup Gui LED indicator pa Plug and Play 1.0	nel Oa	
Port Replicator and Ct - Serial (RS-232, 9 pin - Parallel (EPP, ECP, 1 - External display (15 p - Keyboard - Mouse - Diskette drive (26 pir - Game with MIDI supp	) 25 pin) pin)	$\begin{array}{llllllllllllllllllllllllllllllllllll$			Doze, standby, suspend, safe suspen and hibernation modes US EPA Energy Star compliant Personalized nameplate in indention Personalization screen at startup International Warranty Service 24 hour / 7 day telephone, bulletin board, fax, electronic, and International		
- Audio in (3.5 mm) - Audio out (3.5 mm) - DC input connector	ctor (to charge 2nd battery)		removable (like 755/760 system ograded via a screwdriver	ms), but	), but (http://www.pc.ibm.com) supp IBM and dealer warranty/service Online Housecall (remote diagno		

ThinkPad EasyServ<sup>™</sup>: customer calls 1-800-772-2227, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business day average turnaround). Overnight repair option in US available for \$99. O = Removable All trademarks are the property of their respective owners No warranties are expressed or implied in this summary (365X) Compiled by Roger Dodson, IBM. May 1999 -

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# IBM ThinkPad 365X (Fall 1996 models) - withdrawn

IBM <sup>®</sup> ThinkPad <sup>®</sup> :	≫ <b>365X</b> 10.4" SVGA TFT or 11.3" §		color		
Processor type Processor upgrade L2 cache Diskette drive External FDD port Internal CD-ROM	Pentium <sup>®</sup> 120/60 or 133, None None (not upgradeable) Internal 3.5" 1.44MB m (n External FDD port (used if	<b>/66MHz</b> / 64- ot removable purchase CI	-bit transfer to memory e) D-ROM upgrade)	es an extern	al diskette drive (not customer install)
Price Type - model Preload (see side) Avail / withdrawn date Pentium speed Disk - size / ms Disk controller	2625-3E9         2625-2E9           Windows 95         Windows 95           October 1996 / July 1997         October 1996 / October 1997           120/60MHz         133/66MHz           810MB / 13ms O / PIO Mode 4         1.08GB / 13ms O / PIO Mode 4           EIDE / busmaster / PCI 2.1 / supports one internal disk				
Display - size and type Display - techology	10.4 inch TFT color SVGA / 640x480 or 800x6 Black Matrix TFT - active 1 65,536 simultaneous colors	matrix	11.3 inch DSTN color SVGA / 640x480 or 800x6 Dual scan 256 simultaneous colors / 3		ast ratio
Graphics - controller Graph - arch/data path Graphics - features	Trident™ CYBER9320 / 32 PCI 2.1 / 32-bit / external \$ Simultaneous LCD and CR	SVGA to 102	celerator / 1 MB fast page E 4x768 w/ 256 colors ee tilt	DRAM / 70ns	5
Memory - std / max Memory - features	8MB / 40MB 70ns / non-parity / 3.3 volt	/ EDO / 1 so	ocket for one JEDEC 144 p	in EDO SO	DIMMs of 8, 16, or 32MB
Keyboard / # of keys Keyboard slope Pointing / palm rest		keyboard sup	ns) oport (w/ option cable or Port	t Replicator)	WINDOWS 95 PRELOAD - Microsoft Windows 95
Dimensions Weight	11.7 x 8.3 x 1.9" (185 cu in 6.1 pounds (2.76 kg)	)	5.9 pounds (2.67 kg)		<ul> <li>Online User's Guide</li> <li>ThinkPad Features</li> </ul>
Battery - type Battery - life Charge time - on / off	NiMH/non-intelligent 2.5 hours 1.5 hrs / 1.2 hrs	remove	(pop-up) keyboard to acce pattery (and upgrade mem skette drive is not remova	<ul> <li>PC Card Director 4.0</li> <li>Diskette Factory</li> <li>Triton CoSession™ Host</li> <li>Compuserv for Windows</li> </ul>	
Architecture Docking Station Port replicator PCMCIA™ 2.1 slots Serial / parallel ports Other features Video in/out	2 Type İ or 2 Type II or 1 Ťy One 9 pin; 16550A / one (IE APM-aware BIOS / Univers None	EIDE, graphi er (with built-in pe III EEE P1284-A	ics) n battery charger and palm r	<ul> <li>3. NetFinity for Windows 95</li> <li>4. Puma TranXit<sup>™</sup></li> <li>- Lotus SmartSuite 96 CD-ROM</li> </ul>	
MPEG decoder Data/fax modem Audio support Audio in/out jacks Infrared ports	Input jack (stereo) / microp Infrared port in back / IrD	watt / dial vo hone jack / o A 1.0 comp	Jume control / internal mid utput jack (stereo) / no joyst atible / up to 115Kbps	tick port	
Security	(requires cable) / keyboard	lock (require	/		
Preinstalled software Warranty	Microsoft Windows 95 wth 1 year - ThinkPad EasySer	applications ( rv (optional C	(listed on right) wernight Repair Option) or c	carry-in	Easy-Setup is entered by holding F1 when turning on.
The <b>Port Replicator</b> a cable management, a optional second batter installed on the system replication. The Port Replicator ca	battery charger for an y, a palm rest when h, and has complete port	- 8MB SO D - 16MB SO - 32MB SO - 810MB EI - 1.08GB E	DIMM 3.3v NP EDO 64-bit DIMM 3.3v NP EDO 64-bit DE HDD 13ms IDE HDD 13ms		810MB = DMA Mode 2 or PIO Mode 4 1.08GB = DMA Mode 2 or PIO Mode 4
Replicator, it will attempt to recharge the battery in ThinkPad first (if there is one) before charging the battery in the Port Replicator NiMH Batt - 35 watt AC - 35 watt AC - 35 watt AC - 3665X 4 × C - 8 × CD-RCPort Replicator and Charger connectors:- & & x CD-RC - & & x CD-RC			DD 13ms cator and Charger tery Pack C Adapter (2 pin barrel) C Adapter (slim, 2 pin) CD-ROM Drive	82H8175 75H7529 38H6304 85G6719 76H0139 73H7225 83H6726	FEATURES OF 365 MODELS Quick Setup Guide LED indicator panel Plug and Play 1.0a Doze, standby, suspend, safe suspend, and hibernation modes
<ul> <li>Serial (RS-232, 9 pin</li> <li>Parallel (EPP, ECP, 1</li> <li>External display (15 p</li> <li>Keyboard</li> <li>Mouse</li> <li>Diskette drive (26 pin</li> <li>Game with MIDI supp</li> <li>Audio in (3.5 mm)</li> </ul>	25 pin) pin)	Fn + F2 = Battery guage Fn + F3 = Standby Fn + F4 = Suspend Fn + F7 = LCD/CRT/Simultaneous Fn + F11 = Power mgmt Fn + F12 = Hibernation			US EPA Energy Star compliant Personalized nameplate in indention Personalization screen at startup International Warranty Service 24 hour / 7 day telephone, bulletin board, fax, electronic, and Internet (http://www.pc.ibm.com) support IBM and dealer warranty/service
- Audio out (3.5 mm) - DC input connector	ctor (to charge 2nd battery)		emovable (like 755/760 sys graded via a screwdriver	stems), but	Online Housecall (remote diagnostics)

ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business day average turnaround). Overnight repair option in US available for \$99. O = Removable

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#### IBM ThinkPad 365XD - withdrawn

IBM <sup>®</sup> ThinkPad <sup>®</sup> :	<b>365XD</b> 10.4" SVGA DSTN / 10.4" \$	SVGA TET /		N	Key	differences between 365ED and 365XD:
Processor type Processor upgrade L2 cache Diskette drive External FDD port CD-ROM (not remove)	Pentium <sup>®</sup> 100/66 or 120/ None None (not upgradeable) External 3.5" 1.44MB (cor case with a cable / use s External FDD port (works v 5.25" CD-ROM / 4 x speed	<b>/60MHz</b> / 64- nnects to bac simultaneous with standard	bit transfer to me ck of system) / er sly with CD-ROM d external diskette	emory nclosed in e; no kit ree	a 8ME 10.4 (qd) 540	365ED         365XD           6c 100/33MHz         Pentium 100, 120, 133           8 fast page (to 24MB)         8MB EDO (to 40MB)           Bus graphics and disk         PCI graphics and disk           "VGA 640 x 480 LCD         10.4" or 11.3" SVGA           MB disk standard enix BIOS         BMB BIOS
Pentium speed Disk - size / ms Disk controller	<ul> <li>≈ 2625-6E3</li> <li>Windows 95</li> <li>May 1996 / January 1997</li> <li>100/66MHz</li> <li>810MB / 13ms ○ / PIO Me EIDE / busmaster / PCI 2.2</li> <li>10.4 inch DSTN color</li> </ul>	>       2625-DEF       >       2625-DEE         Windows 95       OS/2 Warp Connect         May 96 / Jan 97       July 1996 / Jan 1997         120/60MHz       July 1996 / Jan 1997         ode 4       1.08GB / 13ms ○ / PIO Mode 4         1 / supports one internal disk       10.4 inch TFT color				
Display - techology	SVGA / 640x480 or 800x6 Dual scan 256 sim colors / 25 to 1 cor		SVGA / 640x48 Black Matrix TF 65,536 sim col /	0 or 800x6 <b>T</b> - active r	matrix	SVGA / 640x480 or 800x600 Dual scan
Gaphics - features	Trident <sup>™</sup> CYBER9320 / 32 PCI 2.1 / 32-bit / external \$ Simultaneous LCD and CR	SVGA to 102	4x768 w/ 256 col		RAM / 70	Dns
Memory - std / max Memory - features Keyboard / # of keys Keyboard slope Pointing / palm rest	8MB / 40MB 70ns / non-parity / 3.3 volt Full size alp/num / 85 (6 Fr Yes (legs pop out) TrackPoint III™ / external F	n key functior	าร)	·		
Dimensions Weight	11.7 x 8.3 x 1.9" (185 cubic 6.4 pounds (2.9 kg)	bic inches)				Online User's Guide     ThinkPad Features     PC Card Director 4.0
Battery - type Battery - life Charge time - on / off	NiMH/non-intelligent 2.5 hours 1.5 hrs / 1.2 hrs	remov	e (pop-up) keybo e battery (and up CD-ROM is not re	grade me	Diskette Factory     Triton CoSession™ Host     Compuserv for Windows     NetFinity for Windows 95	
Architecture Docking Station Port replicator PCMCIA <sup>™</sup> 2.1 slots Serial / parallel ports Other features Video in/out MPEG decoder Data/fax modem Audio support Audio in/out jacks Infrared ports Security Preinstalled software Warranty	PCI 2.1 / 32-bit / 33MHz (I None Port Replicator and Charge 2 Type I or 2 Type II or 1 Ty One 9 pin; 16550A / one (IE APM-aware BIOS / Univers None None <b>16-bit audio chip / 18 voi</b> <b>One internal speaker / .5</b> Input jack (stereo) / microp <b>Infrared port in back / IrD</b> Power-on pwd / Hard disk s (Kensington™ MicroSaver	er (with built-in battery charger and palm rest)			4. Puma TranXit™     - Lotus SmartSuite 96 CD-ROM     OS/2 WARP CONNECT PRELOAD     IBM OS/2 Warp Connect Version 3 with     WIN-OS/2 with BonusPak applications     Online User's Guide     ThinkPad Features Program     PC Card Director 4.0     Diskette Factory     1. Puma TranXit™     2. NetFinity for OS/2     3. Triton CoSession™ Host	
replication. The Port Replicator ca whether or not a Think When the ThinkPad is Replicator, it will attern in ThinkPad first (if the charging the battery in Port Replicator and Cf - Serial (RS-232, 9 pin - Parallel (EPP, ECP, - External display (15 p - Keyboard - Mouse - Diskette drive (26 pir - Game with MIDI sup - Audio in (3.5 mm) - Audio out (3.5 mm) - DC input connector	battery charger for an ry, a palm rest when n, and has complete port an charge a battery rPad is connected to it. attached to the Port of to recharge the battery re is one) before the Port Replicator. harger connectors: ) 25 pin) pin)	- 8MB SO D - 16MB SO - 32MB SO - 810MB EI - 1.08GB E - 1.4GB EI - 2.1GB HE - 2.1GB HE - Port Repli - NiMH Bat - 35 watt AC - 35 watt AC - 35 watt AC - 35 watt AC - 8 x CD-RC Fn + F2 = Fn + F3 = Fn + F4 = Fn + F1 = Fn + F12 = Disk is not r	cator and Charge tery Pack C Adapter (2 pin C Adapter (slim, 2	9 64-bit O 64-bit O 64-bit mm er parrel) 2 pin) taneous	92G734 92G734 92G734 42H401 69H795 82H816 82H816 82H816 82H81630 85G671 76H013 83H672	12       810MB = DMA Mode 2 or PIO Mode 4         1.08GB = DMA Mode 2 or PIO Mode 4         1         5         7         7         8         8         8         8         8         9         9         7         8         9

ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business day average turnaround). Overnight repair option in US available for \$99. O = Removable

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# IBM ThinkPad 365XD (Fall 1996+ models) - withdrawn

IBM <sup>®</sup> ThinkPad <sup>®</sup> :	> 365XD						
Processor type Processor upgrade L2 cache Diskette drive External FDD port CD-ROM (not remove) CD-ROM features	10.4" SVGA TFT / 11.3" SV Pentium® 120/60 or 133/ None None (not upgradeable) External 3.5" 1.44MB (con External FDD port (works 5.25" CD-ROM / 4 x speed Multi-session / XA / front loa	66MHz / 64-bit transfer nects to back of syster with standard external I  5.25" CD-ROM / 6 x	r to memory n) / enclosed in diskette; no kit <b>speed</b> (all syste	a case with required) ems upgrade	n a cable / use simultaneously with CD-ROM eable to 8 x CD-ROM)		
Type - model (code) Preload (see side) Avail / withdrawn date Pentium speed Disk - size / ms Disk controller	2625-4E9 (Clark 4) Windows 95 October 1996 / July 1997 120/60MHz 810MB / 13ms O EIDE / busmaster / PCI 2.1	120/60MHz 1.08GB / 13ms 〇	Windows 95 October 1996 / 133/66MHz 1.35 GB / 13m	October 199	133/66MHz		
Display - size and type Display - techology	<b>10.4 inch TFT color</b> <b>SVGA</b> / 640x480 or 800x60 <b>Black Matrix TFT</b> - active n 65,536 sim col / 100 to 1 co	natrix	11.3 inch TFT SVGA / 640x4 Black Matrix T 65,536 sim col	80 or 800x60 FT - active n			
Graphics - controller Graph - arch/data path Graphics - features	Trident™ CYBER9320 / 32- PCI 2.1 / 32-bit / external S Simultaneous LCD and CR	WGA to 1024x768 w/ 2		DRAM / 70 n	S		
Memory - std / max Memory - features	8MB / 40MB 70ns / non-parity / 3.3 volt	/ EDO / 1 socket for on	e JEDEC 144 p	oin EDO SO	DIMMs of 8, 16, or 32 MB		
Keyboard / # of keys Keyboard slope Pointing / palm rest	Full size alp/num / 85 (6 Fn Yes (legs pop out) TrackPoint III™ / external k		tion cable or Por	t Replicator)	WINDOWS 95 PRELOAD MODELS 4E9 and 1E9		
Dimensions Weight	11.7 x 8.3 x 1.9" (185 cubic 6.4 pounds (2.9 kg)				<ul> <li>Microsoft Windows 95</li> <li>Online User's Guide</li> </ul>		
Battery - type Battery - life Charge time - on / off	NiMH / non-intelligent 2.0 hours 1.5 hrs / 1.2 hrs	Liftable (pop-up) remove battery (a disk); CD-ROM is	emory and	<ul> <li>ThinkPad Features Program</li> <li>PC Card Director 4.0</li> <li>Diskette Factory</li> <li>Triton CoSession™ Host</li> </ul>			
Architecture Docking Station Port replicator PCMCIA™ 2.1 slots Serial / parallel ports Other features	ISA (audio, PCMCIA, diske PCI 2.1 / 32-bit / 33MHz (E None Port Replicator and Charge 2 Type I or 2 Type II or 1 Typ One 9 pin; 16550A / one (IE APM-aware BIOS / University	EIDE, graphics) r (with built-in battery ch be III EE P1284-A, EPP, ECF	arger and palm P, bidirectional)	<ol> <li>Compuserv for Windows</li> <li>NetFinity for Windows 95</li> <li>Puma TranXit<sup>™</sup></li> <li>Lotus SmartSuite 96 CD-ROM</li> <li>WINDOWS 95 PRELOAD MODELS GE9 and FE9</li> </ol>			
Video in/out MPEG decoder Data/fax modem Audio support Audio in/out jacks Infrared ports	None None 16-bit audio chip / 18 voic One internal speaker / .5 v Input jack (stereo) / microph Infrared port in back / IrD.	<b>vatt / dial volúme cont</b> none jack / output jack (s		<ul> <li>Microsoft Windows 95 OSR2</li> <li>Online User's Guide</li> <li>ThinkPad Features Program</li> <li>PC Card Director 4.0</li> <li>Diskette Factory</li> <li>Triton CoSession<sup>™</sup> Host</li> <li>Compuserv for Windows</li> </ul>			
Security	Power-on pwd / Hard disk p (requires cable) / keyboard		Security keyhole	9	<ol> <li>NetFinity for Windows 95</li> <li>Puma TranXit<sup>™</sup></li> </ol>		
Preinstalled software Warranty	Microsoft Windows 95 wth a 1 year - ThinkPad EasySer	applications (listed on rig		carry-in	<ol> <li>5. IntelliLink Connect</li> <li>6. IBM Anti-Virus</li> <li>7. IGN/Netscape Internet</li> <li>8. IntelliQuest Registration Mailer</li> </ol>		
replication. The Port Replicator ca whether or not a Think When the ThinkPad is	battery charger for an ry, a palm rest when n, and has complete port an charge a battery Pad is connected to it. attached to the Port	Options for ThinkPad 3 - 8MB SO DIMM 3.3v A - 16MB SO DIMM 3.3v - 32MB SO DIMM 3.3v - 810MB EIDE HDD 1 - 1.08GB EIDE HDD 1 - 1.4GB EIDE HDD 3L - 2.1GB HDD 13ms - Port Replicator and 0	<b>IP EDO 64-bit</b> <b>NP EDO 64-bit</b> <b>NP EDO 64-bit</b> 3ms 3ms . 12.5 mm	<b>92G7340</b> <b>92G7341</b> <b>92G7342</b> 42H4012 69H7956 82H8161 82H8175 75H7529	9. Ergonomics - Lotus SmartSuite 96 CD-ROM Easy-Setup is entered by holding F1 when turning on. 810MB = DMA Mode 2 or PIO Mode 4 1.08GB = DMA Mode 2 or PIO Mode 4 1.35GB = DMA Mode 2 or PIO Mode 4		
in ThinkPad first (if the charging the battery in	ery in the Port Replicator. - 35 watt AC Adapter (2 pin barlet) 550 (3 pin barlet) 76H0139 - 35 watt AC Adapter (slim, 2 pin) 76H0139 - 8 x CD-ROM 83H6726				FEATURES OF 365 MODELS Quick Setup Guide LED indicator panel		
Port Replicator and Cr - Serial (RS-232, 9 pin - Parallel (EPP, ECP, ; - External display (15 p - Keyboard - Mouse - Diskette drive (26 pir - Game with MIDI supp - Audio in (3.5 mm)	) 25 pin) pin)	$\begin{array}{rcl} - 2.1GB \ HDD \ 13ms \ 40\\ Fn + F2 &= Battery \ gr\\ Fn + F3 &= Standby\\ Fn + F4 &= Suspend\\ Fn + F7 &= LCD/CRT\\ Fn + F11 &= Power \ mg\\ Fn + F12 &= Hibernation \end{array}$	uage /Simultaneous Imt	82H8175	Plug and Play 1.0a Doze, standby, suspend, safe suspend, and hibernation modes US EPA Energy Star compliant Personalized nameplate in indention Personalization screen at startup International Warranty Service 24 hour / 7 day telephone, bulletin board, fax, electronic, and Internet		
- Audio out (3.5 mm) - DC input connector	tor (to charge 2nd battery)	Disk is not removable but it can be upgraded	l`via a screwdriv	ver	(http://www.pc.ibm.com) support IBM and dealer warranty/service Online Housecall (remote diagnostics)		

ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business day average turnaround). Overnight repair option in US available for \$99. O = Removable

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# IEM ThinkPad 370C (non-US) - withdrawn

Removable disk-size         340 MB LD         540 MB LD         To ME LDMM W Party         940-153         access and remove diskette           Artindravate Artindravate Ministrate         May 1996         14 ms         4 MB C DRAM 70 ns Parity         9267233           Display - topics         Vestor         4 MB C DRAM 70 ns Parity         9267233           Display - topics         256 simultaneous colors         8 MB C DRAM 70 ns non-Parity         9267237           Display - topics         256 simultaneous colors         8 MB C DRAM 70 ns non-Parity         9267237           Display - topics         90 of topics         8 MB C DRAM 70 ns non-Parity         9267237           Graphics - controler         MD902CAA Rev B with 1 MB DRAM         9267234         The removed diskate drive can be removed           Graph - archota park L pWL - Lass local bus / 32 UH Simultaneous LCD and CRT         The socket for C memoved via and VCR playback)         The removed diskate drive can be removed           Mem - options available         M MB / 36 MB 70 ns / non-parity / 5 volt         Memory upgradad via 48, or 10 max removed interhology for max removed interhol	IBM <sup>®</sup> ThinkPad <sup>®</sup> :	≫ 370C					C is positioned between
Price Removable disk-size         S545-OPC 340 MB D         S545-OPC 540 MB D         S545-OPC 540 MB D         Main MB DIMM w/ Parity 540 MB D         8427153 8462153         ALL 370C MODELS 466533           Available date Available date Mark 1988         Mark 1989         14 ms 14 ms	Processor speed Memory cache Coprocessor socket Processor / L2 upgrade Removable diskette	InteIDX4 75/25 MHz / 3.3 volt 16 KB internal (no L2 cac Integrated in DX4 None 3.5" 1.44 MB O / supports	,	skette	Adva	intages o X4 75/25 ).4" coloi lack Matr	Wer ThinkPad 360CE MHz (vs DX2 50/25) r TFT (vs 8.4" color TFT) rix TFT (vs not Black Matrix)
Display         The removed diskette drive can be proved diskette drive can be removed diskette removed diskette drive can be removed diskette drive can b	Price Type - model Removable disk - size Hard drive - speed Available date Withdrawn date	340 MB         O         540 MB           14 ms         14 ms           May 1995         May 1995           May 1996         May 1996	PD         8 MB DIM           16 MB DIM         4 MB IC D           4 MB IC D         8 MB IC D           5         8 MB IC D           6         16 MB IC D	IM w/ Paritý IM w/ Parity DRAM 70 ns Parity DRAM 70 ns Parity DRAM 70 ns Parity	84 84 92 92 92	4G6539 4G2153 2G7232 2G7233 2G7234	<i>Liftable (pop-up) keyboard</i> to access and remove diskette drive, disk, battery, and
Graph arch/data path       Western Digital / External SVGA to 1024 x 768 with 256 colors (up to 75 Hz)       Diskette drive can be removed         Graph arch/data path       4 MB / 36 MB       70 ns / non-parity / 5 volt       Memory upgraded via       Diskette drive can be removed         Mem coptions available       4 MB / 36 MB       70 ns / non-parity / 5 volt       Memory upgraded via       Diskette drive can be removed         Mem coptions available       4 MB / 36 MB       70 ns / non-parity / 5 volt       Memory upgraded via       Diskette drive can be removed         Mem coptions available       Full size alg/num / 85 keys       16 MB DIMM technology for max of 36 MB with 4, 8 or of 36 MB with	Display - colors Display - techology Display - diagonal size	256 simultaneous colors Black Matrix TFT - active 10.4 inch / 100 to 1 contra	8 MB IC D 16 MB IC D ast ratio / 180 degree	ORAM 70 ns non-Pa ORAM 70 ns non-Pa	aritý 92	2G7237	The removed diskette drive can be used externally via the optional 'FDD External Kit' (includes cable and enclosure) to the Port Replicator Model I and II and Dock I
Module Adapter         Module Adapter           Dimensions         11.7 x 8.3 x 2.0"         Fin key functions:           Dimensions         11.7 x 8.3 x 2.0"         Fin key functions:           Cubic inches         194 inches         Fin key functions:           Back         Standby mode         Standby mode           Color         Hib PC DOS 7.0           Weight (with battery)         6.3 pounds         Standby mode           Charge time on / off         Jrs / 1.5 hr         - Audio beep off           Eattery type         Nickel hydride (NiMH) / intelligent         - Audio beep off           Ocharge time on / off         Jrs / 1.5 hr         - Power modes switching           Porterpolicator         Port Replicator 1 and II         Power modes switching           Porterpolicator         Port Replicator 1 and II         Power modes switching           Audio beep only         Acdiaberg, 50 x81; worldwide, 2 pin, not wallmount         Standby mode           Audio support         Acdapiter, 35 wats; worldwide, 2 pin, not wallmount         Standby mode           Audio beep only         Precence and back (Appiter 30 and trains Guide Easyleaving)         Standby mode           Preinstalled software         IBM DOS 7.0, Windows 3.11, and all appls listed to right:         Standby mode           Waranty         ye	Graphics - vendor Graph - arch/data path Memory - std / max Mem - sockets empty Mem - options available Keyboard / # of keys Fn key functions	Western Digital / External VL-Bus local bus / 32 bit / 4 MB / 36 MB 70 ns / no 1 socket 2, 4, 8, 16 MB ICs or 4, 8, work on optional Memor Full size alp/num / 85 key 8 (in any appl)	I SVGA to 1024 x 76 / Simultaneous LCD n-parity / 5 volt , 16 MB DIMMs that ory Module Adapter	And CRT Memory upgraded 1 open socket for cyc card for 20 ME 2 DIMM technolo of 36 MB with 4, 8 16 MB JEDEC 72	d via or IC mei 3 max or gy for ma , or pin SO	m- ax	Diskette drive can be removed ① to reduce weight ② to insert cellular modem (CDPD) ③ to insert TV Tuner (for on screen TV and VCR playback) ④ to insert 2.88 MB diskette ⑤ to add other third party options
Other features       APM-aware BIOS / Selectable boot AC adapter, 35 watts, worldwide, 3 pin, not wallmount Audio beep only       9. AlphaNet™ FollowFax™         Audio support       Audio beep only       Power-on password / Hard disk password / Supervisor Password / Hardware security loop (secures unit and prevents opening keyboard) / PCMCIA card lock / Optional Security Base       10. Sedona REPRINT™         Preinstalled software       IBM DOS 7.0, Windows™ 3.11, and all appls listed to right: year - ThinkPad 370 family has the same physical design as the ThinkPad 360, 750, and 755 family.       Sedona REPRINT™       12. Video for Windows™ 1.1 Runtime         Card Director™ (EasyPlaying) is preinstalled and on the utility diskette for DOS, Windows and OS/2. It provides:       Compatible in all 360 family, 370 family, 750 family, and 755 family: - Disks: 170 MB IDE       66G2847 540 MB IDE       3 power saving modes: standby, suspenc and hibernation status and info on PCMCIA cards; wisual/audible confirmation of insertion/ removal of cards;       Sower saving modes: standby, suspenc and hibernation       3 power saving modes: standby, suspenc and hibernation         Wastaus and info on PCMCIA cards; wisual/audible confirmation of insertion/ removal of cards;       Dock I (1 slot / 1 bay) 3 status and info on PCMCIA cards installed.       Sower saving modes: standby, suspenc and hibernation         Easy-Setup is entered by holding F1 when turning on. Easy-Setup, BIOS, and diagnostics are located in flash memory.       Port Replicator II - Port Replicator II - At MB diskette       66G3689 - Cock I       HELPWARE         Options for 370C: - TV Turer       - TV T	Mouse/pointing Ext keyboard support Dimensions Cubic inches Color Weight (with battery) Battery - type Batt - life (per battery) Charge time - on / off Architecture Docking Station Port replicator PCMCIA™ 2.1 slots	TrackPoint II™ Yes (with optional cable) 11.7 x 8.3 x 2.0" 194 inches Black 6.3 pounds Nickel hydride (NiMH) / in 2.9 to 8 hours 2 hrs / 1.5 hr AT bus (ISA) Dock I and II Port Replicator I and II 2 Type I or 2 Type II or 1	Type III	Module Adapter Fn key functions: - Fuel guage (batt - Standby mode - Suspend mode - Audio beep off - Audio beep off - LCD or CRT or b - Power mode swi	ery) ooth itching	- - - - - 1. 2. 3. 4. 5. 6. 7.	IBM PC DOS 7.0 Windows 3.11 IBM PC Card Director for PCMCIA IBM ThinkPad Demo Online Users Guide ThinkPad features; Diskette Factory Lotus® cc:Mail, for the IBM Global® network, Lotus Organizer 1.12 Lotus ScreenCam 1.0, Official Airline Guide Flight Disk® 1.0 Triton CoSession™ Host, PRODIGY®. SofNet FaxWorks™ 3.0
Warranty options       Onsite via special bid only         The ThinkPad 370 family has the same physical design as the ThinkPad 360, 750, and 755 family.       Compatible in all 360 family, 370 family, 750 family, 750 family, and 755 family:       FEATURES OF 370C FAMILY         PC Card Director™ (EasyPlaying) is preinstalled and on the utility diskette for DOS, Windows and OS/2. It provides:       Compatible in all 360 family, 370 family, 750 family.       FEATURES OF 370C FAMILY         ① automatic config of many PCMCIA cards;       Disks: 170 MB IDE       84G2150 family.       3 power saving modes: standby, suspendents         ③ ability to automatically launch an appl (e.g. async emulation) when card inserted;       Dock II (2 slot / 1 bay)       3546001 repricator II       Port Replicator I (w/ PCMCIA)       66G3510 repricator Port Replicator I (w/ PCMCIA)       Status and info on PCMCIA cards installed.         Easy-Setup is entered by holding F1 when turning on. Easy-Setup, BIOS, and diagnostics are located in flash memory.       ThinkPad 370C supported batteries:       Options for 370C: repricator I or V runer       66G3689 repricator I memory       HELPWARE         DPD Mehilo modulo       Thurent codeG3689 repricator I memory       Compatible modulo       70 cert approach or proce       24 hour / 7 day telephone, bulletin	Other features Audio support Security Preinstalled software	AC adapter, 35 watts, wor Audio beep only Power-on password / Har security loop (secures uni PCMCIA card lock / Optic IBM DOS 7.0, Windows™	rldwide, 3 pin, not wa rd disk password / S it and prevents open onal Security Base 13.11, and all appls I	upervisor Passwor ing keyboard) /	d / Hardv	9. 10. 11.	AlphaNet™ FollowFax™ Sedona REPRINT™ COMPEL™ Personal Edition
	Warranty options The ThinkPad 370 fami physical design as the T 755 family. PC Card Director™ (Ea: and on the utility diskett OS/2. It provides: ① automatic config of n ② visual/audible confir removal of cards; ③ ability to automatica async emulation) wh ④ status and info on P Easy-Setup is entered b turning on. Easy-Setup are located in flash mer ThinkPad 370C support - 750 NiMH battery	Onsite via special bid only ily has the same ThinkPad 360, 750, and syPlaying) is preinstalled te for DOS, Windows and many PCMCIA cards; mation of insertion/ Ily launch an appl (e.g. nen card inserted; CMCIA cards installed. by holding F1 when by holding F1 when by holding F1 when by holding F1 when card batteries: 66G2846	y Compatible in all 3/ family, and 755 fan - Disks: 170 MB 250 MB 340 MB 540 MB 810 MB 1.2 GB - Dock I (1 slot / - Dock II (2 slot / - Port Replicator II - Port Replicator II - Port Replicator II - 1.44 MB diskette - 2.88 MB diskette Options for 370C: - TV Tuner - CDPD Mobile mc - Car Battery Adap	nily: IDE 66G; IDE 84G; IDE 84G; IDE 84G; IDE 84G; IDE 85G; 1 bay) 3546 (w/ PCMCIA) 66G; 66G; std ir 66G; 66G; 00000 71G; 00000  71G; 000000 71G; 000000 71G; 000000000000000000000000000000000000	2847 2391 2349 2150 8250 8250 8562 5001 3510 3520 n newer 0108 3689 2560 2167	and Perso Extern Upgra 540 Batter Non-d US EF	er saving modes: standby, suspend, hibernation nalized nameplate in molded indentation nal VGA is ISO capable (75 Hz) ideable disks: 170 MB, 250 MB, 340MB, MB, 810 MB, 1.2 GB (all 2.5 inch) y life indicator lisruptive battery exchange PA Energy Star compliant HELPWARE national Warranty Service our / 7 day telephone, bulletin board, fax, and electronic support or dealer warranty/service

ThinkPad EasyServ™: customer calls 1-800-565-3344 in Canada, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business day average turnaround). ■ = Upgradeable; O = Removable; > = withdrawn from marketing

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#### IBM ThinkPad 380 - withdrawn

IBM <sup>®</sup> ThinkPad <sup>®</sup> :	<b>≫ 380</b> 12.1" SVGA DSTN		
Processor type Processor upgrade L2 cache Diskette drive External FDD port CD-ROM	Pentium <sup>®</sup> 150/60 MHz / 6 None 256 KB / write-through / d Internal 3.5" 1.44 MB / use None since diskette intern	4 bit transfer to L2 cache / 64 bit transfer to me rect mapped / 8 ns / synchronous pipelined bu s simultaneously with CD-ROM / on right side al OM internal option available (not customer ins	urst
Type - model (code) Preload (see side) Avail / withdrawn date Pentium speed Disk - size / ms Disk controller	2635-10U Windows 95 OSR2 May 1997 / January 1998 150/60 MHz 1.08 GB / 13 ms / PIO Mo	de 4	All-in-one integration means the disk, diskette drive, and CD-ROM are all within the covers of the notebook; keyboard does not lift up ort / not removeable / upgrade only by IBM or dealer
Display - size and type Display - techology	12.1 inch DSTN color SVGA / 640 x 480 or 800 x Dual scan 65,536 simultaneous color		
Graphics - controller Graph - arch/data path Graphics - features	NeoMagic™ MagicGraph 1.125 MB / iDRAM™ (emb	<b>128ZV™</b> (NM2093) /128 bit SVGA accelerator edded) / color space conversion and interpola VGA to 1024 x 768 with 256 colors	r / Zoomed Video support / DDC1 and DDC2B ation in X and Y axis / support for DCI, DirectDraw
Memory - std / max Memory - features	16 MB / 80 MB / non-parity 1 socket for one JEDEC 1	/ / 3.3 volt / EDO 44 pin EDO SO DIMM of 8, 16, 32, or 64 MB /	socket accessed from bottom via screw
Keyboard / # of keys External keyboard Pointing / palm rest		key functions) / keyboard slope with Port Repli with option cable 06G8619 or Port Replicator ock keys	<ul> <li>Microsoft Windows 95 OSR2 (FAT16)</li> </ul>
Dimensions Weight	11.8 x 9.2 x 2.4" (260 cubi 6.6 pounds (2.96 kg)	c inches)	<ul> <li>Online User's Guide</li> <li>ThinkPad Features Program</li> <li>SystemSoft CardWorks™</li> </ul>
Battery - type / life Charge time - on / off	NiMH / non-intelligent / 2.2 3.5 to 10 hrs / 2.8 hrs	hrs	<ul> <li>SystemSoft CardWorks™</li> <li>Diskette Factory and Utilities</li> <li>1. Triton CoSession™ Host</li> </ul>
Architecture	PCI 2.1 / 32 bit / 33 Mhz (E ISA (audio, diskette, serial	EIDE, graphics, PCMCIA, Port Replicator) , parallel, infrared) PCIset / Intel 82371MX PIIX / NS PC87338	2. NetFinity for Windows 95 3. Puma TranXit™ 4. IntelliLink Connect
Docking Station Port replicator PCMCIA <sup>™</sup> slots Serial / parallel ports Other features	None 1 ThinkPad Enhanced Poi 3 ThinkPad 380/385 Port F 2 Type I or 2 Type II or 1 Ty PCMCIA 2.1 compatible / F One 9 pin; 16550A / one (II	t Replicator, @ ThinkPad 560 Port Replicator,	5. IBM Anti-Virus 6. IGN/Netscape Navigator browser 7. Media Player 8. IntelliQuest Registration Mailer 9. CompuServe WinCIM 10. Lotus Organizer 14. Errors price
Video in/out Data/fax modem Audio support Audio in/out jacks	None None <b>16 bit audio chip /</b> 20 voice One internal speaker / .5 w Input/microphone jack (ste	e MIDI FM Synthesis / Crystal Semiconductor™ CS att / dial volume control / internal mic / full duple reo) / output jack (stereo) / no joystick port	12. Marketing Demo - Lotus SmartSuite CD-ROM - Recovery CD-ROM with boot diskette - Windows 95 CD-ROM (no installation)
Infrared ports Security	•	/ IrDA 1.1 compatible / up to 4 Mbps	Fn + F2 = Battery guage Fn + F3 = Standby
Preinstalled software Warranty Service options	Microsoft Windows 95 OSI 1 year - ThinkPad EasySe	R2 wth applications (listed on right) rv (optional Overnight Repair Option) or carry-in day (71 cities) / warranty extension to 3 or 5 ye	
provide cable manage and CardBus PC Car	nced Port Replicator ement, additional I/O ports, d slots. Features include:	Options for ThinkPad 380: - 8 MB SO DIMM 3.3v NP EDO 64 bit 92G7: - 16 MB SO DIMM 3.3v NP EDO 64 bit 92G7:	341    turningon.
- Dual IBM lock slots 380, PC Cards, and	to secure the ThinkPad Port Replicator	- 32 MB SO DIMM 3.3v NP EDO 64 bit 92G7 - 64 MB SO DIMM 3.3v NP EDO 64 bit 76H02 - ThinkPad 560 Port Replicator 46H42	<b>268</b>    1.08 GB = DMA Mode 2 or PIO Mode 4
Port Replicator conne - USB - Serial (9 pin); paralle - External display (15	el (EPP, ECP, 25 pin)	- ThinkPad 380/385 Port Replicator 84G13 - ThinkPad Enhanced Port Replicator 11J89 - Li-Ion Battery Pack 73H97	2.1 GB= DMA Mode 2 or PIO Mode 4973.2 GB= Ultra DMA/33 or PIO Mode 45.1 GB= Ultra DMA/33 or PIO Mode 4
- Keyboard - Mouse - Audio in (3.5 mm) - Audio out (3.5 mm) - Joystick/MIDI port ( - External diskette dri	15 pin) - not on system ve conntr - not on system equires AC power; can not	- 35 watt AC Adapter (slim, barrel)       76H01         - 8 x CD-ROM       73H97         - 2.1 GB HDD 13 ms       73H97         - 3.2 GB Disk 13 ms       02K04         - 5.1 GB Disk 12 ms       02K05         - 33.6 Kbps Modem with XJACK       55H67         - 56K PC Card Modem Kit       04K00	795     FEATURES OF 380 MODELS       977     Quick Setup Guide       187     System Status Indicators       106     Plug and Play 1.0a       159     Standby, suspend, safe suspend (RediSafe and hibernation modes       152     US EPA Energy Star compliant
Features of the PC C - Two Type III slots (s - PC Card Standard 9 - CardBus compliant	ide by side) 5 compliant (PCI 2.1 / 32 bit) oport (no Zoomed Video) PCI1131 controller		Personalization screen at startup International Warranty Service IBM SystemXtra Program 24 hour / 7 day telephone, bulletin board, fax, electronic, and Internet (http://www.pc.ibm.com) support IBM and dealer warranty/service Online Housecall (remote diagnostics)

ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business day average turnaround). Overnight repair option in US available for \$99.

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#### IBM ThinkPad 380D - withdrawn

IBM <sup>®</sup> ThinkPad <sup>®</sup> :	➤ 380D 12.1" SVGA DSTN or TFT	/ 8 x CD-RO	M					
Processor type Processor upgrade L2 cache Diskette drive External FDD port CD-ROM	Pentium <sup>a</sup> 150/60 MHz or 1 None 256 KB / write-through / diu Internal 3.5" 1.44 MB / use None since diskette interna	I <b>50/60 MHz</b> rect mapped simultaneou		ined burst t side	er to L2 cache / 64 bit transfer to memory			
Type - model (code) Preload (see side) Avail / withdrawn date Pentium speed Disk - size / ms Disk controller	2635-2AU Windows 95 OSR2 May 1997 / January 1998 150/60 MHz 1.35 GB / 13 ms / PIO Mod	de 4	2635-3AU Windows 95 OSR2 May 1997 / January 1998 150/60 MHz with MMX teo 2.1 GB / 13 ms / PIO Mod	All-in-one integration means the disk, diskette drive, and CD-ROM are all within the covers of the notebook; keyboard does not lift up ot removeable / upgrade only by IBM or dealer				
Display - size and type Display - techology	<b>12.1 inch DSTN color</b> <b>SVGA</b> / 640 x 480 or 800 x <b>Dual scan</b> 65,536 sim colors / 30 to 1 o		12.1 inch TFT color SVGA / 640 x 480 or 800 x Black Matrix TFT - active 65,536 simultaneous color	matrix	contrast ratio ratio			
Graphics - controller Graph - arch/data path Graphics - features	1.125 MB / iDRAM™ (embe	edded) / colo VGA to 1024	or space conversion and int I x 768 with 256 colors	elerator / Zoc terpolation i	omed Video support / DDC1 and DDC2B n X and Y axis / support for DCI, DirectDraw			
Memory - std / max Memory - features	16 MB / 80 MB / non-parity 1 socket for one JEDEC 14			4 MB / sock	et accessed from bottom via screw			
Keyboard / # of keys External keyboard Pointing / palm rest	Full size alp/num / 85 (6 Fn	key functior with option c	as) / keyboard slope with Po able 06G8619 or Port Repli	rt Replicator	WINDOWS 95 PRELOAD - Microsoft Windows 95 OSR2 (FAT16)			
Dimensions Weight	11.8 x 9.2 x 2.4" (260 cubic 7.1 pounds (3.2 kg)	c inches)	6.9 pounds (3.1 kg)		Online User's Guide     ThinkPad Features Program     Suctor Set Cond MarketM			
Battery - type / life Charge time - on / off	NiMH / non-intelligent / 2.0 3.5 to 9 hrs / 2.5 to 3.5 hrs	hrs	Li-Ion / non-intelligent / 2.6	hrs	<ul> <li>SystemSoft CardWorks<sup>™</sup></li> <li>Diskette Factory and Utilities</li> <li>Triton CoSession<sup>™</sup> Host</li> </ul>			
Architecture	PCI 2.1 / 32 bit / 33 Mhz (E ISA (audio, diskette, serial,	parallel, infi		,	<ol> <li>Triton CoSession™ Host</li> <li>NetFinity for Windows 95</li> <li>Puma TranXit™</li> <li>IntelliLink Connect</li> </ol>			
Docking Station Port replicator PCMCIA <sup>™</sup> slots Serial / parallel ports Other features	None 1 ThinkPad Enhanced Port ThinkPad 380/385 Port R 2 Type I or 2 Type II or 1 Typ PCMCIA 2.1 compatible / PI One 9 pin; 16550A / one (IE	t Replicator, eplicator pe III <b>/ Zoon</b> C Card Stand EE P1284- <i>I</i>	82371MX PIIX / NS PC873 ThinkPad 560 Port Replice <b>ned Video support in Iowe</b> dard 95 / Cirrus Logic CL-PE A, EPP, ECP, bidirectional) , barrel (35 watts) / Selectal	cator, <b>r slot</b> / D6729 (PCI)	5. IBM Anti-Virus 6. IGN/Netscape Navigator browser 7. Media Player 8. IntelliQuest Registration Mailer 9. CompuServe WinCIM 10. Lotus Organizer 11. Ergonomics			
Video in/out Data/fax modem Audio support Audio in/out jacks	None None <b>16 bit audio chip /</b> 20 voice One internal speaker / .5 wa	MIDI FM Syr att / dial volu	nthesis / Crystal Semiconductor me control / internal mic / fu jack (stereo) / no joystick po	or™CS4236 Ill duplex	<ul> <li>12. Marketing Demo</li> <li>Lotus SmartSuite CD-ROM</li> <li>Recovery CD-ROM with boot diskette</li> <li>Windows 95 CD-ROM (no installation)</li> </ul>			
Infrared ports Security	Infrared port on left side / Power-on password / Hard				Fn + F2 = Battery guage Fn + F3 = Standby			
Preinstalled software Warranty Service options	Microsoft Windows 95 OSR	2 wth applic v (optional C	ations (listed on right) Overnight Repair Option) or 0	carry-in 8 or 5 years	Fn + F4 = Suspend Fn + F7 = LCD/CRT/Simultaneous Fn + F11 = Power mgmt Fn + F12 = Hibernation			
provide cable manage	nced Port Replicator ement, additional I/O ports, d slots. Features include:	- 8 MB SO [	ThinkPad 380: DIMM 3.3v NP EDO 64 bit DIMM 3.3v NP EDO 64 bit	92G7340 92G7341	Easy-Setup is entered by holding F1 when turning on.			
- Dual IBM lock slots t 380, PC Cards, and	to secure the ThinkPad Port Replicator	- 64 MB SO	DIMM 3.3v NP EDO 64 bit	92G7342 76H0268	1.08 GB = DMA Mode 2 or PIO Mode 4 1.35 GB = DMA Mode 2 or PIO Mode 4			
Port Replicator conne - USB - Serial (9 pin); paralle - External display (15	el (EPP, ECP, 25 pin)	- ThinkPad - ThinkPad - Li-Ion Bat	380/385 Port Replicator Enhanced Port Replicator tery Pack	46H4209 84G1316 11J8997 73H9793 76H0139	2.1 GB = DMA Mode 2 or PIO Mode 4 3.2 GB = Ultra DMA/33 or PIO Mode 4 5.1 GB = Ultra DMA/33 or PIO Mode 4			
- Keyboard - Mouse - Audio in (3.5 mm) - Audio out (3.5 mm) - Joystick/MIDI port (1 - External diskette driv	15 pin) - not on system ve conntr - not on system quires AC power; can not	- 3.2 GB Disk 13 ms         02K0487         s           - 5.1 GB Disk 12 ms         02K0506         F           - 33.6 Kbps Modem with XJACK         55H6759         s           - 56K PC Card Modem Kit         04K0052         L			FEATURES OF 380 MODELS Quick Setup Guide System Status Indicators Plug and Play 1.0a Standby, suspend, safe suspend (RediSafe) and hibernation modes US EPA Energy Star compliant Personalization screen at startup			
Features of the PC Ca - Two Type III slots (s - PC Card Standard 9 - CardBus compliant ( - 8/16 bit PC Card sup - Texas Instruments F - Requires no PCI-to-	ide by side) 5 compliant (PCI 2.1 / 32 bit) oport (no Zoomed Video) 'CI1131 controller				International Warranty Service IBM SystemXtra Program 24 hour / 7 day telephone, bulletin board, fax, electronic, and Internet (http://www.pc.ibm.com) support IBM and dealer warranty/service Online Housecall (remote diagnostics)			

ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business day average turnaround). Overnight repair option in US available for \$99.

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#### IBM ThinkPad 380E - withdrawn

IBM <sup>®</sup> ThinkPad <sup>®</sup> :	<b>380E</b> 12.1" SVGA FRSTN					
Processor type Processor upgrade L2 cache Diskette drive External FDD port CD-ROM	None 256 KB / write-through / di Internal 3.5" 1.44 MB / on None since diskette intern		emory			
Type - model (code) Preload (see side) Avail / withdrawn date Disk - size / ms Disk controller	2635-40U Windows 95 OSR2 September 1997 / July 199 2.1 GB / 13 ms / PIO Mod EIDE / PCI 2.1 / supports		All-in-one integration means the disk, diskette drive, and CD-ROM are all within the covers of the notebook; keyboard does not lift up not removeable / upgrade only by IBM or dealer			
Display - size and type Display - techology	12.1 inch FRSTN color SVGA / 640 x 480 or 800 × Dual scan / Fast Respons 65,536 simultaneous color	e Super Twisted Nematic (FRSTN) / 150 ms / 70 nits	;			
Graphics - controller Graph - arch/data path Graphics - features	1.125 MB / iDRAM™ (emb	128ZV™ (NM2093) /128 bit SVGA accelerator / Zoc edded) / color space conversion and interpolation in SVGA to 1024 x 768 with 256 colors RT / 150 degree tilt	omed Video support / DDC1 and DDC2B n X and Y axis / support for DCI, DirectDraw			
Memory - std / max Memory - features	<b>16 MB</b> / 80 MB / non-parity 1 socket for one JEDEC 1	/ / 3.3 volt / EDO 44 pin EDO SO DIMM of 8, 16, 32, or 64 MB / sock	et accessed from bottom via screw			
Keyboard / # of keys External keyboard Pointing / palm rest	Full size alp/num / 85 (6 Fr External keyboard support TrackPoint III™ / no drag lo	h key functions) / keyboard slope with Port Replicator with option cable 06G8619 or Port Replicator ock keys	WINDOWS 95 PRELOAD			
Dimensions Weight	11.8 x 9.2 x 2.4" (260 cubi 6.7 pounds (3.0 kg)	c inches)	<ul> <li>Microsoft Windows 95 OSR2 (FAT16)</li> <li>Online User's Guide Think Pad Eastures Program</li> </ul>			
Battery - type / life Charge time - on / off	NiMH / non-intelligent / 2.0 3.5 to 10 hrs / 2.8 hrs	hrs	<ul> <li>ThinkPad Features Program</li> <li>SystemSoft CardWorks™</li> <li>Diskette Factory and Utilities</li> <li>Artisoft CoSession™ Host</li> <li>NetFinity for Windows 95</li> <li>Puma TranXit™</li> <li>IBM Anti-Virus</li> <li>IBM Global Network (IGN Dialer)</li> <li>Netscape Navigator browser</li> <li>Media Player</li> <li>IntelliQuest Registration Mailer</li> <li>Ergonomics</li> <li>PointCast (with ThinkPad channel)</li> <li>Marketing Demo</li> </ul>			
Architecture Docking Station Port replicator	PCI 2.1 / 32 bit / 33 Mhz (E ISA (audio, diskette, serial Intel® Mobile Triton 82430 None	EIDE, graphics, PCMCIA, Port Replicator) , parallel, infrared) PCIset / Intel 82371MX PIIX / NS PC87338 rt Replicator, @ ThinkPad 560 Port Replicator,				
PCMCIA <sup>™</sup> slots	3 ThinkPad Enhanced Por 2 Type I or 2 Type II or 1 Ty	/pe III / Zoomed Video support in lower slot /				
Serial / parallel ports Other features	One 9 pin; 16550Å / one (II	C Card Standard 95 / Cirrus Logic CL-PD6729 (PCI) EEE P1284-A, EPP, ECP, bidirectional) sal AC adapter; barrel (35 or 56 watts)				
Video in/out MPEG decoder Data/fax modem Audio support	One internal speaker / .5 w	e MIDI FM Synthesis / CS4236B /att / dial volume control / int mic / full duplex spk/mic	12. Voyetra Audio Station     12. Voyetra Audio Station     13. Quicken SE     - Lotus SmartSuite CD-ROM     - Recovery CD-ROM with boot diskette     - Windows 95 CD-ROM (no installation			
Audio in/out jacks Infrared ports	Infrared port on left side	reo) / output jack (stereo) / no joystick port / IrDA 1.1 compatible / up to 4 Mbps	Fn + F2 = Battery guage			
Security Preinstalled software Warranty Service options	Microsoft Windows 95 OSI 1 year - ThinkPad EasySe	d disk password / security keyhole / personalization R2 wth applications (listed on right) rv (depot repair service) or carry-in s day (71 cities) / warranty extension to 3 or 5 years	$\begin{array}{llllllllllllllllllllllllllllllllllll$			
	ced Port Replicator ement, additional I/O ports, d slots. Features include:	OPTIONS - 8 MB SO DIMM 3.3v NP EDO 64 bit 92G7340 - 16 MB SO DIMM 3.3v NP EDO 64 bit 92G7341	Easy-Setup is entered by holding F1 when turning on.			
- Dual IBM lock slots t 380, PC Cards, and I	o secure the ThinkPad Port Replicator	- 16 MB SO DIMM NP EDO 64 bit (new) 01K1124 - 32 MB SO DIMM 3.3v NP EDO 64 bit 92G7342	1.08 GB = DMA Mode 2 or PIO Mode 4 1.35 GB = DMA Mode 2 or PIO Mode 4			
Port Replicator conne - USB - Serial (9 pin); paralle - External display (15	el (EPP, ECP, 25 pin)	- 64 MB SO DIMM 3.3v NP EDO 64 bit 76H0268 - ThinkPad 560 Port Replicator 46H4209 - ThinkPad 380/385 Port Replicator 84G1316 - ThinkPad Enhanced Port Replicator 11J8997	2.1 GB = DMA Mode 2 or PIO Mode 4 3.0 GB = DMA Mode 2 or PIO Mode 4 5.1 GB = Ultra DMA/33 or PIO Mode 4			
- Keyboard - Mouse - Audio in (3.5 mm) - Audio out (3.5 mm) - Joystick/MIDI port (1 - External diskette driv	5 pin) - not on system /e conntr - not on system quires AC power; can not	- ThinkPad 380/385 Li-lon Battery (old) 73H9793           - ThinkPad 380/385 Li-lon Battery         02K6507           - 35 watt AC Adapter (barrel, slim)         76H0139           - 56 watt AC Adapter (barrel; 3 prong)         83H6739           - 8 x CD-ROM         73H9795           - 2.1 GB Disk 13 ms         73H9797           - 3.2 GB Disk 13 ms         02K0487           - 5.1 GB Disk 12 ms         02K0506           - 3.6 Kbps Modem with XJACK         55H6759	FEATURES OF 380 MODELS Quick Setup Guide System Status Indicators Plug and Play 1.0a Standby, suspend, safe suspend (RediSafe and hibernation modes US EPA Energy Star compliant Personalization screen at startup			
Features of the PC Ca - Two Type III slots (s - PC Card Standard 9 - CardBus compliant ( - 8/16 bit PC Card sup - Texas Instruments P - Requires no PCI-to-F	ide by side) 5 compliant PCI 2.1 / 32 bit) port (no Zoomed Video) CI1131 controller	- 56K PC Card Modern Kit 04K0052 - 56K PC Card Modern/Cellular Capable 02K4196	International Warranty Service IBM SystemXtra Program 24 hour / 7 day telephone, bulletin board, fax, electronic, and Internet (http://www.pc.ibm.com) support IBM and dealer warranty/service Online Housecall (remote diagnostics)			

ThinkPad EasyServ<sup>TM</sup>: customer calls 1-800-772-2227, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business day average turnaround)

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#### IBM ThinkPad<sup>®</sup> 380ED - withdrawn

IBM <sup>®</sup> ThinkPad <sup>®</sup>						
Processor type Processor upgrade L2 cache Diskette drive External FDD port CD-ROM	None <b>256KB</b> / write-through / dia Internal 3.5" 1.44MB / use None since diskette intern	rect mapped simultaneo al	transfer to L2 cache / 64-bit / 8ns / synchronous pipelin usly with CD-ROM / on right / / multi-session / XA / ATAP	ed burst side	disk, o are al noteb keybo	diskette drive, and CD-ROM   within the covers of the ook; pard does not lift up
Type - model Preload (see side) Avail / withdrawn date Disk - size / ms Disk controller		e4	≫ 2635-6AU Windows 95 OSR2 September 1997 / Septemb 3.0GB / 13ms / PIO Mode disk / no DMA or busmaster	er 1998 Sep 4 <b>5.10</b>	<b>GB</b> / 12ms / PI	September 1998
Display - size and type Display - techology	12.1 inch FRSTN color SVGA / 640x480 or 800x60 Dual scan / FRSTN / 150r 65,536 sim colors / 35 to 1	ms / 70 nits	12.1 inch TFT color SVGA / 640x480 or 800x60 Active Matrix TFT / 75ms / 65,536 simultaneous colors	100 nits	ntrast ratio ratio	)
Graphics - controller Graph - arch/data path Graphics - features	1.125MB / iDRAM™ (embe	edded) / colo SVGA to 102		lerator / Zoor erpolation in 2	ned Video sup K and Y axis / s	port / DDC1 and DDC2B support for DCI, DirectDraw
Memory - std / max Memory - features	16MB / 80MB / non-parity	/ 3.3 volt / E		4MB / socket	accessed fron	n bottom via screw
Keyboard / # of keys External keyboard Pointing / palm rest	Full size alp/num / 85 (6 Fr	n key function t with option o	ns) / keyboard slope with Por cable 06G8619 or Port Replic	t Replicator	WINE	DOWS 95 PRELOAD <sup>16</sup> /indows 95 OSR2 (FAT16)
Dimensions Weight <sup>2</sup>	11.8 x 9.2 x 2.4" (260 cubi 7.0 pounds (3.2 kg)	ic inches)			Online User	
Battery - type / life <sup>10</sup> Charge time - on / off	Li-lon / non-intelligent / 2.0 4.2 to 12 hrs / 3.3 hrs	hrs	Li-Ion / non-intelligent / 2.5 h	nrs	<ul><li>SystemSoft</li><li>Diskette Fa</li></ul>	CardWorks <sup>™</sup> ctory and Utilities
Architecture Docking Station	ISA (audio, diskette, serial	l, parallel, inf	ics, PCMCIA, Port Replicato frared) I 82371MX PIIX / NS PC873	,	<ul> <li>NetFinity fo</li> <li>Puma Tranz</li> <li>IBM Anti-Viti</li> </ul>	Kit™ ′us
Port replicator	1) ThinkPad Enhanced Por 3) ThinkPad 380/385 Port F	Replicator	@ ThinkPad 560 Port Replic		<ul> <li>IBM Global</li> <li>Netscape N</li> <li>Media Playe</li> </ul>	Network (IGN Dialer) avigator browser
PCMCIA <sup>™</sup> slots Serial / parallel ports Other features	PCMCIA 2.1 compatible / F	C Card Stan EEE P1284-	<b>ned Video support in lower</b> Idard 95 / Cirrus Logic CL-PD A, EPP, ECP, bidirectional) er: barrel (35 or 56 watts)		<ul> <li>IntelliQuest</li> <li>Ergonomics</li> <li>PointCast (v)</li> </ul>	Registration Mailer with ThinkPad channel)
Video in/out MPEG decoder Data/fax modem Audio support	None None (software support for None	r MPEG-1 in		S4236B		dio Station
Audio in/out jacks Infrared ports	One internal speaker / .5 w	vatt / dial volu ereo) / output	ume control / int mic / full dup ; jack (stereo) / no joystick po	lex spk/mic	♦ Windows 98	5 CD-ROM (no installation) Battery guage
Security	Power-on password / Harc	d disk passw	ord / security keyhole / perso	nalization		Standby Suspend
Preinstalled software Limited warranty <sup>11</sup> Service options <sup>15</sup>	On-site, M-F, 8-5, next bus	rv (door-to-d	blications (listed on right) loor depot repair service) or o es) / warranty extension to 3	carry-in or 5 years		CD/CRT/Simultaneous
provide cable manage	nced Port Replicator ement, additional I/O ports, d slots. Features include:			92G7340 92G7341	Easy-Setup is when turning of	entered by holding F1 on.
- Dual IBM lock slots 380, PC Cards, and	to secure the ThinkPad Port Replicator	- 16MB SO - 32MB SO	DIMM NP 64-bit (new) DIMM 3.3v NP EDO 64-bit	01K1124 92G7342	1.35GB = DN	A Mode 2 or PIO Mode 4 A Mode 2 or PIO Mode 4
Port Replicator conne - USB		- ThinkPac	560 Port Replicator	76H0268 46H4209 84G1316	3.0GB = DN	A Mode 2 or PIO Mode 4 A Mode 2 or PIO Mode 4 A DMA/33 or PIO Mode 4
- Serial (9 pin), paralle - External display (15 - Keyboard	pin)	- ThinkPac - ThinkPac	l Enhanced Port Replicator d 380/385 Li-Ion Battery (old)	11J8997 73H9793		FEATURES
- Mouse - Audio in (3.5 mm) - Audio out (3.5 mm) - Joystick/MIDI port (7 - External diskette dri	15 pin) - not on system ve conntr - not on system quires AC power; can not ard slots:	- 35 watt A - 56 watt A - 8X CD-R - 2.1GB Di - 3.2GB Di - 5.1GB Di - 33.6Kbps	C Adapter (barrel; slim) C Adapter (barrel; 3 prong) OM isk 13ms isk 13ms isk 12ms isk 12ms isk 02ms	02K6507 76H0139 83H6739 73H9795 73H9797 02K0487 02K0506 02K0506 55H6759 04K0052	and hibernat ENERGY STA Personalizatio	uide Indicators 1.0a end, safe suspend (RediSafe), ion modes
- Two Type III slots (s - PC Card Standard 9 - CardBus compliant - 8/16-bit PC Card su - Texas Instruments F - Requires no PCI-to-	ide by side) 5 compliant (PCI 2.1 / 32-bit) oport (no Zoomed Video) PCI1131 controller				IBM SystemX 24 hour / 7 da board, fax, e (www.ibm.c IBM and deale Online House	tra™ y telephone <sup>30</sup> , bulletin electronic, and Internet om/pc/us) support er warranty/service call (remote diagnostics) perty of their respective owners

ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad in most North American locations, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business day average turnaround) ≫ Withdrawn from marketing

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# IBM ThinkPad® 380XD - withdrawn

Processor type Processor features L2 cache	No upgrade / processor, L2	2 cache,	266/66MHz <sup>1</sup> / 64-bit to L2 ca and MTXC (North Bridge) or ped / 8.5ns data; 15ns tag / s	n Intel Mobile I	Módule <i>disk</i>	in-one integration means the c, diskette drive, and CD-RON all within the covers of the		
Diskette drive External FDD port CD-ROM	Internal 3.5" 1.44MB / use None since diskette interna	simultar al	reously with CD-ROM / on rig	ght side	note keyl	ebook; removable disk; board does not lift up		
Type - model Processor Preload (see side) Avail / withdrawn date Disk - size / ms Disk controller	2635-8AU 233/66MHz Windows 95 OSR2 March 1998 / September 19 3.2GB <sup>4</sup> / 13ms / PIO Mode EIDE / PCI 2.1 / supports of	998 4	2635-BAU (Auth Assb Prog) 233/66MHz None March 1998 / Sept 1998 Blank	2635-9AU 233/66MHz Windows 95 March 1998 / 4.0GB / 13m	<b>OSR2</b> Sept 1998 s / PIO 4	2635-AAU 266/66MHz Windows 95 OSR2 March 1998 / Sept 1998 5.1GB / 12ms / PIO Mode 4 ved and upgraded by customer		
Display - size and type Display - techology	12.1 inch HPA color SVGA / 640x480 or 800x60 Dual scan / HPA / 150ms / 16 mil sim colors / 50 to 1 c	100 nits	12.1 inch TFT color SVGA / 640x480 or 800x600 Active Matrix TFT / 75ms / 16.7 million simultaneous c	100 nits	contrast ratio	ratio		
Graphics - controller Graph - arch/data path Graphics - features	2MB / iDRAM™ (embedde	d) / colo VGA to 1	(NM2160B) /128-bit SVGA r space conversion and inter 024x768 with 65,536 colors legree tilt					
Memory - std / max Memory - features		44 pin E	DO SO DIMM of 8, 16, 32, or		et accessed fro	om bottom via screw		
Keyboard / # of keys External keyboard Pointing / palm rest		with opti	ctions) / keyboard slope with on cable 06G8619 or Port Re		- Microsoft	NDOWS 95 PRELOAD <sup>16</sup> Windows 95 OSR2.1 (FAT16) xplorer 4.0		
Dimensions / weight <sup>2</sup>	11.8 x 9.2 x 2.4" (260 cubi		1 ( 0/		<ul> <li>Online Us</li> </ul>	ser's Guide		
Battery - type / life <sup>10</sup> Charge time - on / off	4.2 to 12 hrs / 3.3 hrs		rs; 9AU: 4.5 hrs; AAU: 4.0	nrs	<ul> <li>SystemSet</li> </ul>	Configuration Program oft CardWorks™ Factory and Utilities		
Architecture	PCI 2.1 / 32-bit / 33MHz (E ISA (audio, diskette, serial Intel Triton <b>430TX</b> PCIset / Texas Instruments <sup>®</sup> <b>TI1250</b>	, paralle Intel <b>PII</b>	I, infrared) / NS PC97338 (FI X4 (EIDE, USB, PCI to ISA br	DC, IR, I/O) idge)	<ul> <li>Diskette Factory and Utilities</li> <li>Artisoft ConfigSafe</li> <li>NetFinity for Windows 95</li> <li>PumaTranXit™</li> </ul>			
Docking station Port replicator	None ① ThinkPad Enhanced Por	t Replica	olicator,		virus al Network (IGN Dialer) Navigator browser			
PCMCIA™ slots	Type I or 1 Type II or 1 Type III / CardBus 32-bit PCI / Zoomed video     Intel LANDesi     Intel LANDesi     Intel LANDesi     Intel LANDesi					Desk Člient Manager (via web) est Registration Mailer		
USB / serial / parallel Other features	One USB / one 9 pin; 1655 APM-aware BIOS / Univers		(IEEE P1284-A, EPP, ECP, apter; barrel (56 watts)	bidirectional)	<ul> <li>Marketing</li> </ul>	t (with ThinkPad channel) Demo		
Video in/out MPEG decoder Data/fax modem Audio	None None (software support for None 16-bit / CS4237B / SRS 3I		,		<ul> <li>Tivoli Ligř</li> <li>ThinkPad</li> <li>Personali</li> </ul>	tweight Client Framework on the Net zation Editor Customization		
Speakers Audio features Audio in/out jacks Infrared ports	Dial volume control (left sid	de) / inte ereo) / οι	) / one subwoofer above keyl rnal microphone / full duplex utput jack (stereo) / no joystic compatible / up to 4Mbps	spk/mic		artSuite 97 CD-ROM with boot diskette 95 CD-ROM (no installation)		
Security	Power-on password / supe security keyhole / personal		assword / hard disk password creen at startup	/	4.0GB = DN	/A Mode 2 or PIO Mode 4 /A Mode 2 or PIO Mode 4		
Preinstalled software Limited warranty <sup>11</sup> Service options <sup>15</sup>	1 year - ThinkPad EasySer	v (door-	applications (listed on right) to-door depot repair service) cities) / warranty extension to		5.1GB = Ultra DMA/33 or PIO Mode 4 All disks are SMART compliant			
The <b>ThinkPad Enhan</b> provide cable manage and CardBus PC Card	ement, additional I/O ports,		OPTIONS O DIMM 3.3v NP EDO 64-bi SO DIMM 3.3v NP EDO 64-b		Fn + F3 = Fn + F4 = Fn + F7 =	Suspend LCD/CRT/Simultaneous		
<ul> <li>Dual IBM lock slots t PC Cards, and Port F</li> </ul>	Replicator	- 32MB 3	SO DIMM NP EDO 64-bit (ne SO DIMM 3.3v NP EDO 64-b	w) 01K1124 it 92G7342		Power mgmt Hibernation		
Port Replicator conne - USB, serial (9 pin), p - External display (15	ctors: parallel (25 pin)	- 64MB : - ThinkP - ThinkP	SO DIMM 3.3v NP EDO 64-b ad 560 Port Replicator ad 380/385 Port Replicator	it 76H0268 46H4209 84G1316	Wired for Ma DMI 2.0 com	FEATURES anagement 1.1a		
- External diskette driv	e id audio out (3.5 mm) 5 pin) - not on system ve conntr - not on system guires 4C power: cap not	- ThinkP - ThinkP - 56 wat - 4.0GB	ad Enhanced Port Replicato ad 380/385 Li-Ion Battery (ol ad 380/385 Li-Ion Battery t AC Adapter (barrel; 3 prong disk, 13ms	d) 73H9793 02K6507 ) 83H6739 05K8871	PC 97 comp Setup Guide System State Plug and Pla	b <b>liant</b> e and User's Guide us Indicators ny 1.0a		
run on battery) Features of the PC Ca - Two Type III slots (s	ard slots: ide by side)	- 33.6Kb - 56K P0 - 56K P0	disk, 13ms, Ultra DMA/33 pps Modem with XJACK C Card Modem Kit C Card Modem/Cellular cpble		and hibern ENERGY ST Internationa	spend, safe suspend (RediSafe ation modes FAR compliant al Warranty Service <sup>14</sup>		
<ul> <li>PC Card Standard 9</li> <li>CardBus compliant (</li> <li>8/16-bit PC Card sup</li> <li>Texas Instruments P</li> <li>Requires no PCI-to-F</li> </ul>	PCI 2.1 / 32-bit) oport (no Zoomed Video) CI1131 controller		Ethernet CardBus PC Card	08L3147 when	board, fax (www.ibm	atra'''' day telephone <sup>30</sup> , bulletin , electronic, and Internet com/pc/us) support aler warranty/service		

in most North American locations, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business day average turnaround)

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# IBM ThinkPad® 380XD (Pentium II) - withdrawn

IBM <sup>®</sup> ThinkPad <sup>®</sup>								
L2 cache Diskette drive	No upgrade / processor, I 512KB / write-back / 4 wa Internal 3.5" 1.44MB / use None since diskette intern	L2 cache, ay set ass e simultan nal	or 266/66MHz <sup>1</sup> / 64-bit to L2 ca and memory cntr (North Bridg sociative / sync pipelined burst neously with CD-ROM / on righ CAV / multi-session / XA / ATA	e) on Mobile / ECC / 1/2 s t side	Module peed	All-in-one integration means the disk, diskette drive, and CD-ROM are all within the covers of the notebook; removable disk; keyboard does not lift up ovable / on right side		
Type - model Processor Preload (see side) Avail / withdrawn date Disk - size / ms	2635-EAU 233/66MHz Windows 95 May 1998 / December 199 4.0GB <sup>4</sup> / 13ms / PIO Mod	98 le 4	2635-FAU 266/66MHz Windows 95 May 1998 / December 1998 5.1GB / 12ms / PIO Mode 4			removed and upgraded by customer		
	<b>12.1 inch HPA color</b> <b>SVGA</b> / 640 x 480 or 800 2 Dual scan / HPA / 150ms / <b>16 mil</b> sim colors / 50 to 1	/ 100 nits	<b>12.1 inch TFT color</b> <b>SVGA</b> / 640 x 480 or 800 x 60 <b>Active Matrix TFT</b> / 75ms / 10 <b>16.7 million</b> simultaneous col	00 nits	contrast	ratio ratio		
Graph - arch/data path	2MB / iDRAM™ (embedde	ed) / color SVGA to 1	r space conversion and interpo 1024 x 768 with 65,536 colors	ccelerator / Zo blation in X ar	oomed Vi nd Y axis	ideo support / DDC1 and DDC2B / support for DCI, DirectDraw		
	32MB / 96MB / non-parity 1 socket for one JEDEC 1		/ EDO / 60ns DO SO DIMM of 8, 16, 32, or 6	64MB / socke	t access	ed from bottom via screw		
External keyboard	Full size alp/num / 85 (6 F External keyboard suppor TrackPoint® III / no drag lo	t with opti	ctions) / keyboard slope with Pc on cable 06G8619 or Port Repl	ort Replicator icator		WINDOWS 95 PRELOAD <sup>16</sup> psoft Windows 95 OSR2.1 (FAT16)		
Dimensions / weight <sup>2</sup>	11.8 x 9.2 x 2.4" (260 cub	oic inches)	· · · · · ·		<ul> <li>Onlir</li> </ul>	net Explorer 4.0 ne User's Guide		
	Li-lon / non-intelligent / EA 4.2 to 12 hrs / 3.3 hrs	AU: 3.1 hrs	s; FAU: 4.0 hrs		<ul> <li>Systematic</li> </ul>	kPad Configuration Program emSoft CardWorks™		
Architecture	PCI 2.1 / 32-bit / 33Mhz ( ISA (audio, diskette, seria Intel <b>440BX</b> PCIset / Intel Texas Instruments® <b>TI125</b>	al, parallel <b>PIIX4</b> (EII	ľ, infrared) / NS PC97338 (FDC DE, USB, PCI to ISA bridge)	C, IR, I/O)	<ul><li>Conf</li><li>NetF</li><li>Pum</li></ul>	viskette Factory and Utilities ConfigSafe JetFinity for Windows 95 Puma TranXit™		
Port replicator	None ① ThinkPad Enhanced Po ③ ThinkPad 380/385 Port	ort Replica Replicato	ator. @ ThinkPad 560 Port Repli		<ul> <li>IBM Anti-Virus</li> <li>IBM Global Network (IGN Dialer)</li> <li>Netscape Navigator browser</li> <li>Intel LANDesk Client Manager (via web)</li> </ul>			
	PCMCIA 2.1 compatible /	′ ÞĊ Card 50A / one	Standard 95 (IEEE P1284-A, EPP, ECP, bid		<ul> <li>IntelliQuest Registration Mailer</li> <li>Ergonomics</li> <li>PointCast (with ThinkPad channel)</li> <li>Marketing Demo</li> </ul>			
MPEG decoder Data/fax modem Audio Speakers Audio features Audio in/out jacks	Dial volume control (left s	3D audio / s (.5 watt) ide) / inte tereo) / ou	/ FM synthesis ) / one subwoofer above keybo rnal microphone / full duplex sj utput jack (stereo) / no joystick	pk/mic	<ul> <li>Tivol</li> <li>Thinl</li> <li>Pers</li> <li>Thinl</li> <li>Lotus</li> <li>Reco</li> <li>Winc</li> </ul>	i Lightweight Client Framework kPad on the Net onalization Editor kPad Customization s® SmartSuite 97 overy CD-ROM with boot diskette dows 95 CD-ROM (no installation)		
Security		ervisor pa	assword / hard disk password /		5.1GB	= DMA Mode 2 or PIO Mode 4 = Ultra DMA/33 or PIO Mode 4		
Preinstalled software	Microsoft® Windows® 95 C 1 year - ThinkPad EasySe	DSR2.1 wi erv <sup>31</sup> (door	ith applications (listed on right) r-to-door depot repair service) o 2 cities) / serv up to 5 yrs from p		All disk Fn + F2	= Ultra DMA/33 or PIO Mode 4 s are SMART compliant 2 = Battery guage		
and CardBus PC Card		- 8MB S - 16MB \$	OPTIONS O DIMM 3.3v NP EDO 64-bit SO DIMM 3.3v NP EDO 64-bit SO DIMM 3.3v NP EDO 64-bit	92G7340 t 01K1124	Fn + F3 = Standby Fn + F4 = Suspend Fn + F7 = LCD/CRT/Simultaneous Fn + F11 = Power mgmt Fn + F12 = Hibernation			
PC Cards, and Port Replicator Port Replicator connectors: - USB, serial (9 pin), parallel (25 pin) - External display (15 pin) - Keyboard and mouse - Audio in (3.5 mm) and audio out (3.5 mm) - Joystick/MIDI port (15 pin) - not on system - External diskette drive conntr - not on system - Power connector (requires AC power; can not run on battery) Features of the PC Card slots: - Two Type III slots (side by side) - PC Card Standard 95 compliant - CardBus compliant (PCI 2.1 / 32-bit) - 8/16-bit PC Card support (no Zoomed Video) - Texas Instruments PCI 1131 controller		- 64MB S - ThinkP - ThinkP - ThinkP - ThinkP - 56 watt - 4.0GB - 6.4GB - V.90 Pt Easy-Se	64/MB SO DIMM 3.3v NP EDO 64-bit 76H0268- ThinkPad 560 Port Replicator46H4209- ThinkPad 380/385 Port Replicator84G1316- ThinkPad 380/385 Li-lon Battery02K6507- 56 watt AC Adapter (barrel; 3 prong)83H6739- 4.0GB disk, 13ms05K8871- 6.4GB disk, 13ms, Ultra DMA/3302K0518- V.90 PC Card Modem with XJACK <sup>24</sup> 10L7393Easy-Setup is entered by holding F1 when turning on.			FEATURES compliant compliant for Management 1.1a Guide, User's Guide, Options by IBM og, Introducing Windows 95 book is tatus Indicators d Play 1.0a y, suspend, safe suspend (RediSafe), bernation modes GY STAR compliant tional Warranty Service <sup>14</sup> stemXtra™ Program r / 7 day telephone <sup>30</sup> , bulletin d, fax, electronic, and Internet .ibm.com/pc/us) support		
- Requires no PCI-to-F	CI bridge							

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# IBM ThinkPad® 380Z - withdrawn

IBM <sup>®</sup> ThinkPad <sup>®</sup>	Intel® Mebile Deutium®	11 000 an 200MU -1 / 000				A 11 1.		
Processor Processor features L2 cache Diskette drive External FDD port CD-ROM	Intel® Mobile Pentium® No upgrade / processor 512KB / sync pipelined Internal 3.5" 1.44MB / u None since diskette inte 5.25" CD-ROM / 24X-10	, L2 cache, and MTXC burst / ECC / half spee se simultaneously with mal	9		disk, c are all noteb keybo	one integration means the diskette drive, and CD-RON within the covers of the ook; removable disk; ard does not lift up e / on right side		
Type - model Processor Preload (see side) Disk - size / ms Disk controller Avail / withdrawn date	Pentium II 233MHz	ts one internal disk / dis	NT 4.0	um II 300MHz None None None None				
Display - size and type Display - techology	e 13.3 inch TFT color XGA / 640x480 or 800x6 16.7 million simultaneo			00 nits		- C: dr - D: dr	ive is FAT16 of 2GB ive is FAT32 (if W98) or I6 (if NT) of remaining space	
Graphics - controller Graphics - external Graphics - features	NeoMagic™ MagicMed 2.5MB / SDRAM (embe External SVGA to 1024) Simultaneous LCD and	dded) / <b>motion comp</b> e (768 with 16.7 million co	ensation / color space c plors at 85Hz	onversio		erpolation		
Memory - std / max Memory - features	32MB / 96MB or 160MB 1 socket for one JEDEC socket accessed from b	* / non-parity / 3.3 volt / C 144 pin EDO SO DIM	EDO / 60ns		• Onl	rosoft® V ine User	/indows® 98	
Keyboard / # of keys External keyboard Pointing		ort with option cable 06	board slope with Port Rep G8619 or Port Replicator ect / dragging / click pace	r	<ul><li>Thi</li><li>IBN</li><li>Ring</li></ul>	nkPad U I Update gCentral	tilities Connector	
Dimensions Weight <sup>2</sup>	11.8 x 9.2 x 2.4" (260 cu 7.2 pounds (3.3 kg) with		x 233.0mm x 62.0mm		<ul> <li>IBŇ</li> </ul>	onomics I Registra	ation Sync 97 (infrared)	
Battery - type / life <sup>10</sup> Charge time - on / off	Li-lon / non-intelligent / 4.2 to 12 hrs / 3.3 hrs	<i>Hxx:</i> 3.1 hrs; <i>Jxx:</i> 3.3	hrs		<ul> <li>IBN</li> </ul>	I Global I	Network Dialer avigator web browser	
Architecture Docking station Port replicator PC Card Std slots USB / serial / parallel Other features		250A PCMCIA controll (EIDE, graphics, PCM ial, parallel, infrared) or with Advanced Ether ype III / CardBus 32-bit 550A / one (IEEE P128	er / NS PČ97338 (FDC, ICIA, USB) Jet / ThinkPad 560 Port I / PCMCIA 2.1 / Zoomed 34-A, EPP, ECP, bidirect	Replor	<ul> <li>Indus® SmartSuite 97 (CD)</li> <li>ConfigSafe</li> <li>Norton AntiVirus (OEM Version)</li> <li>ThinkPad on the Net (TCC CD)</li> <li>Customization Center CD-ROM</li> <li>Lotus SmartSuite 97 CD-ROM</li> <li>Product Recovery CD-ROM (with boot diskette)</li> </ul>			
Video in/out MPEG decoder Data/fax modem Audio Speakers Audio features Audio in/out jacks Infrared ports	None None (software support None 16-bit / CS4237B / SRS Two front stereo speake Dial volume control (left Input/microphone jack ( Infrared port on left side	3D audio / FM synthe ers (.5 watt) / one subw side) / internal microp stereo) / output jack (s	sis voofer above keyboard ( hone / full duplex spk/mi tereo) / no joystick port	ic	<ul> <li>WINDOWS NT PRELOAD<sup>16</sup></li> <li>Windows NT<sup>®</sup> Workstation 4.0</li> <li>Service Pack 3</li> <li>Online User's Guide</li> <li>Artisoft ConfigSafe</li> <li>ThinkPad Configuration Program</li> <li>ThinkPad Utilities</li> </ul>			
Security	Power-on password / su security keyhole / person				<ul> <li>Diskette Factory</li> <li>Puma IntelliSync 97 (infrared)</li> <li>IBM Registration</li> </ul>			
Limited warranty <sup>11</sup> Service options <sup>15</sup>	<b>1 year</b> - carry-in or Think On-site <sup>32</sup> , M-F, 8-5, next from purchase date	APad EasyServ <sup>™31</sup> (doo bus day (72 cities) / se	or-to-door depot repair se rvice agreements up to \$	5 years	<ul> <li>Ergonomics</li> <li>SystemSoft CardWizard</li> <li>Norton AntiVirus (TCC CD)</li> <li>Product Recovery CD-ROM (with boo diskette)</li> </ul>			
management, additic	Replicator with Feature provides cable onal I/O ports, CardBus P( 00 ethernet with Wake on	- 32MB SO DIMM 3	OPTIONS           3.3v NP EDO 64-bit         01K           3.3v NP EDO 64-bit         92G           3.3v NP EDO 64-bit         76H           t Replicator         46H	37342	6.4GI	B = Ultra	DMA/33** or PIO Mode 4 DMA/33** or PIO Mode 4 MART compliant	
<ul> <li>Dual IBM lock slots PC Cards, and Port Connectors:</li> <li>USB, serial (RS-232 external display, key</li> <li>Audio in and out (3.5</li> <li>Joystick/MIDI port (1)</li> </ul>	2, 9 pin), parallel (25 pin), board, mouse	<ul> <li>Port Replicator w/</li> <li>ThinkPad 380/38!</li> <li>56 watt AC Adapt</li> <li>4.0GB disk**, 13r</li> <li>6.4GB disk**, 13r</li> <li>V.90 PC Card Mod</li> <li>56K PC Card Mod</li> <li>10/100 Ethernet C</li> </ul>	Port Replicator w/ Advanced EtherJet 05K4872hinkPad 380/385 Li-Ion Battery02K65076 watt AC Adapter (barrel; 3 prong)83H6739.0GB disk**, 13ms05K8871.4GB disk**, 13ms, Ultra DMA/3302K0518/.90 PC Card Modem with XJACK2410L73936K PC Card Modem/Cellular cpble02K41960/100 Ethernet CardBus PC Card08L3147ThinkPad Proven™ solutions <sup>12</sup> (visit10			FEATURES Wired for Management 1.1a compliant DMI 2.0 compliant PC 97 compliant ACPI ready (APM enabled) Setup Guide and User's Guide System Status Indicators Plug and Play 1.0a Standby, suspend, safe suspend (RediSaf		
Features of the PC C - Two Type III slots (s - PC Card Standard 9 - CardBus compliant - PCMCIA 2.1 (no Zoc - TI 1250A controller - Requires no PCI-to-F	side by side) 15 compliant (PCI 2.1 / 32-bit) omed Video)	turning on.	ed by holding F1 when	Neurr	ENER Intern IBM S 24 ho boa (ww	GY STA ational V SystemX ur / 7 day rd, fax, e w.ibm.c	on modes R compliant Warranty Service <sup>14</sup> tra®. <sup>35</sup> y telephone <sup>30</sup> , bulletin electronic, and Internet om/pc/us) support	

\* Maximum memory capacity with 128MB SO DIMM from ThinkPad Proven vendor \*\*Bus length limits EIDE controller (only on 380Z) to DMA Multi-Word Mode 1 (13MB/sec)

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#### III ThinkPad 385D (Retail models) - withdrawn

IBM <sup>®</sup> ThinkPad <sup>®</sup> :	➤ 385D 12.1" SVGA DSTN or TFT	/ 8 x CD-RO	M					
Processor type Processor upgrade L2 cache Diskette drive External FDD port	Pentium® 150/60 MHz or None 256 KB / write-through / di Internal 3.5" 1.44 MB / use None since diskette interna	150/60 MHz rect mapped simultaneou al	with MMX <sup>™</sup> technology/ I / 8 ns / synchronous pipel usly with CD-ROM / on righ	ined burst ht side	er to L2 cache / 64 bit transfer to memory			
CD-ROM	5.25" CD-ROM / 8 x spee	d / multi-sess	1	able / not ren	0			
Type - model Preload (see side) Avail / withdrawn date Pentium speed Disk - size / ms Disk controller	2635-2EU Windows 95 OSR2 May 1997 / January 1998 150/60 MHz 1.35 GB / 13 ms / PIO Mo EIDE / PCI 2.1 / supports of		2635-3EU Windows 95 OSR2 May 1997 / January 1998 150/60 MHz with MMX te 2.1 GB / 13 ms / PIO Mo disk / no DMA or busmaste	All-in-one integration means the disk, diskette drive, and CD-ROM are all within the covers of the notebook; keyboard does not lift up not removeable / upgrade only by IBM or dealer				
Display - size and type Display - techology	<b>12.1 inch DSTN color</b> <b>SVGA</b> / 640 x 480 or 800 x <b>Dual scan</b> 65,536 sim colors / 30 to 1		12.1 inch TFT color SVGA / 640 x 480 or 800 Black Matrix TFT - active 65,536 simultaneous colo	e matrix	contrast ratio ratio			
Graphics - controller Graph - arch/data path Graphics - features	1.125 MB / iDRAM™ (emb	edded) / colo VGA to 1024	or space conversion and in I x 768 with 256 colors	elerator / Zoo terpolation i	omed Video support / DDC1 and DDC2B n X and Y axis / support for DCI, DirectDraw			
Memory - std / max Memory - features	16 MB / 80 MB / non-parity 1 socket for one JEDEC 1			64 MB / sock	et accessed from bottom via screw			
Keyboard / # of keys External keyboard Pointing / palm rest	Full size alp/num / 85 (6 Fr External keyboard support TrackPoint III™ / no drag lo	with option c			WINDOWS 95 PRELOAD - Microsoft Windows 95 OSR2 (FAT16) - Lotus SmartSuite			
Dimensions Weight	11.8 x 9.2 x 2.4" (260 cubi 7.1 pounds (3.2 kg)	c inches)	6.9 pounds (3.1 kg)		<ul> <li>WordPro Word Processor</li> <li>1-2-3 Spreadsheet</li> </ul>			
Battery - type / life Charge time - on / off	NiMH / non-intelligent / 2.0 3.5 to 9 hrs / 2.5 to 3.5 hrs	hrs	Li-Ion / non-intelligent / 2.6	6 hrs	- Freelance Graphics - Approach Database			
Architecture	PCI 2.1 / 32 bit / 33 Mhz (E ISA (audio, diskette, serial	, parallel, infi	cs, PCMCIA, Port Replicat rared) 82371MX PIIX / NS PC873		<ul> <li>Organizer Scheduler</li> <li>IBM Global Network (IGN)</li> <li>NetScape Navigator Browser</li> <li>AOL, AT&amp;T WorldNet, CompuServe</li> <li>Media Player</li> <li>Active Movie (MPEG-1, AVI)</li> <li>Video for Windows</li> <li>CD Audio Player</li> </ul>			
Docking Station Port replicator PCMCIA™ slots	None ① ThinkPad Enhanced Por ③ ThinkPad 380/385 Port F 2 Type I or 2 Type II or 1 Ty	t Replicator, Replicator	② ThinkPad 560 Port Repli	cator				
Serial / parallel ports Other features	PCMCIA 2.1 compatible / P One 9 pin; 16550A / one (II	C Card Stand EEE P1284-A	dard 95 / Cirrus Logic CL-Pl A, EPP, ECP, bidirectional) r; barrel (35 watts) / Selecta	D6729 (PCI)	- MIDI Sequencer - Quicken SE - Expensable			
Video in/out MPEG decoder Data/fax modem Audio support			nthesis / Crystal Semiconduct		<ul> <li>Wall Street Money SE</li> <li>National Golf Course Directory</li> <li>Rand McNally's Trip Maker</li> </ul>			
Audio in/out jacks Infrared ports	Input/microphone jack (ste Infrared port on left side	reo) / output / IrDA 1.1 co	mpatible / up to 4 Mbps					
Security Drainatellad activers	Power-on password / Hard				- Online User's Guide			
Preinstalled software Warranty	Microsoft Windows 95 OSF 1 year - ThinkPad EasySe	rv (optional C	Dvernight Repair Option) or	carry-in	SystemSoft Card Works     Password Protected Marketing Demo			
provide cable manage and CardBus PC Care	nced Port Replicator ement, additional I/O ports, d slots. Features include: to secure the ThinkPad	- 8 MB SO I - 16 MB SO	ThinkPad 385D: DIMM 3.3v NP EDO 64 bit DIMM 3.3v NP EDO 64 bit DIMM 3.3v NP EDO 64 bit	92G7340 92G7341 92G7342	<ul> <li>CD-ROMs included in the Shipping Carto</li> <li>Preload Recovery CD w/boot diskette</li> <li>Windows 95 CD (no installation)</li> <li>Picture Perfect Golf</li> </ul>			
385D, PC Cards, and Port Replicator conne	d Port Replicator	- 64 MB SO - ThinkPad	DIMM 3.3v NP EDO 64 bit 560 Port Replicator 380/385 Port Replicator	<b>76H0268</b> 46H4209 84G1316				
- USB - Serial (9 pin); paralle - External display (15	el (EPP, ECP, 25 pin)	-ThinkPad - Li-Ion Bat - 35 watt A	Enhanced Port Replicator tery Pack C Adapter (slim, barrel)	11J8997 73H9793 76H0139				
- Keyboard - Mouse - Audio in (3.5 mm) - Audio out (3.5 mm)		- 8 x CD-R - 2.1 GB H - 3.2 GB Di - 5.1 GB Di	DD 13 ms isk 13 ms	73H9795 73H9797 02K0487 02K0506	FEATURES OF 385D MODELS Quick Setup Guide System Status Indicators Plug and Play 1.0a			
- External diskette driv	15 pin) - not on system ve conntr - not on system equires AC power; can not	- 33.6 Kbps - 56K PC C	ard Modem with XJACK ard Modem Kit	55H6759 04K0052	Standby, suspend, safe suspend (RediSafe and hibernation modes US EPA Energy Star compliant			
Features of the PC Ca - Two Type III slots (s - PC Card Standard 9	ide by side) 5 compliant	when turnin Fn + F2 = Fn + F3 =	ng on. = Battery guage = Standby		Personalization screen at startup International Warranty Service 24 hour / 7 day telephone, bulletin board, fax, electronic, and Internet			
- CardBus compliant ( - 8/16 bit PC Card sup - Texas Instruments P - Requires no PCI-to-I	oport (no Zoomed Video) CI1131 controller	Fn + F7 = Fn + F11 =	= Suspend = LCD/CRT/Simultaneous = Power mgmt = Hibernation		(http://www.pc.ibm.com)support IBM and dealer warranty/service Online Housecall (remote diagnostics)			

ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business day average turnaround). Overnight repair option in US available for \$99.

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# IEM ThinkPad 385ED (Retail models) - withdrawn

IBM <sup>®</sup> ThinkPad <sup>®</sup> :	385ED 12.1" SVGA Fast Respons	e STN or Ac	tive Matrix / 20x max variab	le speed CD	-ROM	
Processor type Processor upgrade L2 cache Diskette drive External FDD port CD-ROM	Pentium <sup>®</sup> MMX <sup>™</sup> 166/66 I None 256 KB / write-through / di Internal 3.5" 1.44 MB / use None since diskette interna	MHz / 64 bit rect mappe simultanec al	transfer to L2 cache / 64 bi d / 8 ns / synchronous pipel usly with CD-ROM / on righ	t transfer to r ined burst nt side	nemory	All-in-one integration means the disk, diskette drive, and CD-RON are all within the covers of the notebook; keyboard does not lift up able / not removable / on right side
Type - model (code) UPC code Preload (see side)	2635-5EU 087944350163 Windows 95 OSR2 September 1997 / July 199 2.1 GB / 13 ms / PIO Mode	7 e 4	2635-6EU 087944343660 Windows 95 OSR2 September 1997 / July 199 3.0 GB / 13 ms / PIO Mod	07 de 4		able / upgrade only by IBM or dealer
Display - size and type Display - techology	<b>12.1 inch Fast Response</b> <b>SVGA</b> / 640 x 480 or 800 x <b>Dual scan</b> / FRSTN / 150 r 65,536 sim colors / 35 to 1	600 ns / 70 nits	<b>12.1 inch Active color</b> <b>SVGA</b> / 640 x 480 or 800 x <b>Active Matrix TFT</b> / 75 ms 65,536 simultaneous color	s / 100 nits	ontrast ra	tio ratio
Graphics - controller Graph - arch/data path Graphics - features	NeoMagic™ MagicGraph 1.125 MB / iDRAM™ (emb PCI 2.1 / 32 bit / external S Simultaneous LCD and CR	edded) / col VGA to 102	or space conversion and in 4 x 768 with 256 colors	elerator / Zoc terpolation ir	med Vide X and Y	eo support / DDC1 and DDC2B axis / support for DCI, DirectDraw
Memory - std / max Memory - features	16 MB / 80 MB / non-parity 1 socket for one JEDEC 14		DO SO DIMM of 8, 16, 32, or 6	64 MB / socke	et access	ed from bottom via screw
Keyboard / # of keys External keyboard Pointing / palm rest	Full size alp/num / 85 (6 Fn External keyboard support TrackPoint III™ / no drag lo	with option of	ns) / keyboard slope with Pc cable 06G8619 or Port Repli	ort Replicator icator		WINDOWS 95 PRELOAD posoft Windows 95 OSR2 (FAT16) s SmartSuite 97
Dimensions Weight	11.8 x 9.2 x 2.4" (260 cubi 7.1 pounds (3.2 kg)	c inches)			- Wo	rdPro Word Processor -3 Spreadsheet
Battery - type / life Charge time - on / off	Li-lon / non-intelligent / 2.0 4.2 to 12 hrs / 3.3 hrs	hrs	Li-Ion / non-intelligent / 2.5	hrs	- Fre - App	elance Graphics proach Database
Architecture	ISA (audio, diskette, serial	, parallel, inf	cs, PCMCIA, Port Replicat rared) I 82371MX PIIX / NS PC873		- Scr	panizer Scheduler eenCam nomics
Docking Station Port replicator	None ① ThinkPad Enhanced Por ③ ThinkPad 380/385 Port F	t Replicator, Replicator	2 ThinkPad 560 Port Repli	cator,	- Think - Intell - Vove	ette factory and utilities Read customization icon iQuest Registration Mailer tra Audio Station
PCMCIA <sup>™</sup> slots Serial / parallel ports Other features	PCMCIA 2.1 compatible / P	C Card Stan EEE P1284-	ned Video support in lowe dard 95 / Cirrus Logic CL-PI A, EPP, ECP, bidirectional) ter; barrel (35 or 56 watts)	D6729 (PCI)	- NetS	Global Network (IGN) cape Navigator Browser , AT&T WorldNet, CompuServe a Plaver
Video in/out MPEG decoder Data/fax modem Audio support Audio in/out jacks		e MIDI FM Sy att / dial volu	,		<ul> <li>Media Player</li> <li>Active Movie (MPEG-1, AVI)</li> <li>Video for Windows</li> <li>CD Audio Player</li> <li>MIDI Sequencer</li> <li>Quicken SE</li> <li>Expensable</li> </ul>	
Infrared ports	Infrared port on left side	/ IrĎA 1.1 co	ompatible / up to 4 Mbps ord / security keyhole / perso		- Wall	Street Money SE anal Golf Course Directory
Security Preinstalled software Warranty	Microsoft Windows 95 OSF	R2 wth appli			- Rano	l McNally's Trip Maker Anti-Virus Online Housecall
provide cable manage	nced Port Replicator ement, additional I/O ports, d slots. Features include:		OPTIONS DIMM 3.3v NP EDO 64 bit D DIMM 3.3v NP EDO 64 bit	92G7340	- Tranž - Onlir	ne User's Guide
- Dual IBM lock slots 385, PC Cards, and	to secure the ThinkPad Port Replicator	- 16 MB S0 - 32 MB S0	D DIMM NP EDO 64 bit (new) D DIMM 3.3v NP EDO 64 bit	) 01K1124 92G7342	<ul> <li>Point</li> <li>Pass</li> </ul>	word Protected Marketing Demo
Port Replicator conne - USB - Serial (9 pin), paralle - External display (15 - Keyboard	el (EPP, ECP, 25 pin)	- ThinkPac - ThinkPad - ThinkPad - ThinkPad	D DIMM 3.3v NP EDO 64 bit 1560 Port Replicator 380/385 Port Replicator Enhanced Port Replicator 380/385 Li-lon Battery (old) 280/385 Li-lon Battery (old)	46H4209 84G1316 11J8997 73H9793	- Pre - Wir	ROMs included in the shipping carton load Recovery CD w/boot diskette ndows 95 CD (no installation) ture Perfect Golf
- Mouse - Audio in (3.5 mm) - Audio out (3.5 mm) - Joystick/MIDI port (7	15 pin) - not on system ve conntr - not on system	- 35 watt A - 56 watt A - 2.1 GB D - 3.2 GB D	isk 13 ms	02K6507 76H0139 83H6739 73H9797 02K0487 02K0487	Quick S System Plug ar	EATURES OF 385 MODELS Setup Guide Status Indicators ad Play 1.0a
- Power connector (re run on battery) Features of the PC C	equires AC power; can not ard slots:		sk 12 ms Modem with XJACK ard Modem Kit	02K0506 55H6759 04K0052	and h US EP/	y, suspend, safe suspend (RediSafe ibernation modes A Energy Star compliant alization screen at startup
- Two Type III slots (s - PC Card Standard 9 - CardBus compliant	side by side) 5 compliant (PCI 2.1 / 32 bit) pport (no Zoomed Video) PCI1131 controller		<ul> <li>Battery guage</li> <li>Standby</li> <li>Suspend</li> <li>LCD/CRT/Simultaneous</li> <li>Power mgmt</li> <li>Hibernation</li> </ul>		Interna 24 hou board (http: IBM an	r / 7 day telephone, bulletin d, fax, electronic, and Internet //www.pc.ibm.com) support d dealer warranty/service Housecall (remote diagnostics)

ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad a any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business day average turnaround)

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#### IBM ThinkPad<sup>®</sup> 385XD (Retail models) - withdrawn

IBM <sup>®</sup> ThinkPad <sup>®</sup>							
Processor type Processor features L2 cache Diskette drive External FDD port CD-ROM	No upgrade / processor, L 512KB / sync pipelined b Internal 3.5" 1.44MB / use None since diskette intern	IMX <sup>™</sup> technology, 266/66MHz with 2 cache, and memory controller (N urst (66MHz for Pentium / ECC and e simultaneously with CD-ROM / on hal 5 speed / CAV / multi-session / XA	orth Bridge) on M d 133MHz for Pen right side	obile Module tium II)			
Type - model UPC code Processor Avail / withdrawn date Disk - size / ms Disk controller		2635-9EU 0-87944-40514-6 Pentium 266/66MHz March 1998 / Sept 1998 e 4 3.2GB / 13ms / PIO Mode 4 one internal disk / no DMA or busm	May 1998 / Sept 3.2GB / 13ms /	66MHz are all within the covers of the 1998 notebook; removable disk;			
Display - size and type Display - techology	SVGA / 640x480 or 800x	formance Addressing) <b>color</b> 600 / 150ms / 100 nits / <b>us colors</b> / 50 to 1 contrast	SVGA / 640x48	olor / Active Matrix 0 or 800x600 / 75ms / 100 nits nultaneous colors / 100 to 1 contrast			
Graphics - controller Graph - arch/data path Graphics - features	2MB / iDRAM™ (embedde	ed) / color space conversion and in SVGA to 1024x768 with 65,536 col	erpolation in X ar	oomed Video support / DDC1 and DDC2B nd Y axis / support for DCI, DirectDraw			
Memory - std / max Memory - features	32MB / 96MB / non-parity 1 socket for one JEDEC 1	/ / 3.3 volt / EDO / 60ns 144 pin EDO SO DIMM of 8, 16, 32	or 64MB	WINDOWS 95 PRELOAD <sup>16</sup>			
Keyboard / # of keys External keyboard Pointing / palm rest	Full size alp/num / 85 (6 F	n key functions) / keyboard slope wi rt with option cable 06G8619 or Por	th Port Replicator	<ul> <li>Microsoft Windows 95 OSR2.1 (FAT16)</li> <li>Internet Explorer 4.0</li> <li>Online User's Guide</li> </ul>			
Dimensions / weight <sup>2</sup>		pic inches) / 8EU/9EU: 7.1 pounds;	DEU: 7.2 lbs	<ul> <li>ThinkPad Configuration Program</li> <li>SystemSoft CardWorks™</li> <li>Diskette Factory and Utilities</li> </ul>			
Battery - type / life <sup>10</sup> Charge time - on / off	Li-lon / non-intelligent / 3.0 4.2 to 12 hrs / 3.3 hrs	0 hrs		Diskette Factory and Utilities     Artisoft ConfigSafe			
Architecture Docking station Port replicator	PIIX4 (EIDE, USB, PCI to PCI 2.1 / 32-bit / 33MHz ( ISA (audio, diskette, seria None	I for Pentium systems / Intel 440B) ISA bridge)TI® TI1250A PCMCIA EIDE, graphics, PCMCIA, USB) al, parallel, infrared) / NS PC97338 port Replicator, @ ThinkPad 560 Port	controller (FDC, IR, I/O)	<ul> <li>Update Connector</li> <li>Puma TranXit™</li> <li>IBM Anti-Virus</li> <li>IBM Global Network (IGN Dialer)</li> <li>Netscape Navigator browser</li> <li>Media Player</li> <li>IntelliQuest Registration Mailer</li> </ul>			
PCMCIA™ slots USB / serial / parallel Other features	2 Type I or 2 Type II or 1 PCMCIA 2.1 compatible / One USB / one 9 pin; 165	Type III / CardBus 32-bit PCI / Zo	CP, bidirectional)	<ul> <li>Ergonomics</li> <li>PointCast (with ThinkPad channel)</li> <li>Marketing Demo</li> <li>Expensable</li> <li>ThinkPad on the Net</li> <li>Personalization Editor</li> <li>ThinkPad Customization</li> <li>Lotus SmartSuite 97</li> <li>Voyetra Audio Station</li> <li>Rand McNally's Trip Maker</li> <li>Quicken 98 (subject to change)</li> <li>EA Sports PGA Tour Golf CD-ROM</li> <li>Recovery CD-ROM with boot diskette</li> <li>Windows 95 CD-ROM (no installation)</li> <li>3.2GB = DMA Mode 2 or PIO Mode 4</li> </ul>			
Video in/out MPEG decoder Data/fax modem Audio Speakers Audio features Audio in/out jacks Infrared ports Security	None None (software support fo 56KB PC Card Modem / 16-bit / CS4237B / SRS 3 Two front stereo speaker Dial volume control (left s Input/microphone jack (st Infrared port on left side /	or MPEG-1 in Windows 95) <b>Cellular Capable</b> / x2 / XJACK con 3D audio / FM synthesis rs (.5 watt) / one <b>subwoofer</b> above k ide) / internal microphone / full dupl ereo) / output jack (stereo) / no joys IrDA 1.1 compatible / up to 4Mbps ervisor password / hard disk passv	necor (02K4196) eyboard (1 watt) ex spk/mic stick port				
Preinstalled software Limited warranty <sup>11</sup> Service options <sup>15</sup>	1 year - ThinkPad EasySe	DSR2.1 wth applications (listed on erv (door-to-door depot repair servi is day (71 cities) / warranty extensi	ce) or carry-in	4.0GB = DMA Mode 2 or PIO Mode 4 5.1GB = Ultra DMA/33 or PIO Mode 4 All disks are SMART compliant			
provide cable manage and CardBus PC Care	nced Port Replicator ement, additional I/O ports, d slots. Features include: to secure the ThinkPad, Replicator	OPTIONS - 8MB SO DIMM 3.3v NP EDO 64 - 16MB SO DIMM 3.3v NP EDO 6 - 16MB SO DIMM NP EDO 64-bit - 32MB SO DIMM 3.3v NP EDO 6	4-bit 92G7341 (new)01K1124 4-bit 92G7342	$\begin{array}{rcl} Fn+F2 &=& Battery guage \\ Fn+F3 &=& Standby \\ Fn+F4 &=& Suspend \\ Fn+F7 &=& LCD/CRT/Simultaneous \\ Fn+F11 &=& Power mgmt \\ Fn+F12 &=& Hibernation \\ \end{array}$			
- External diskette dri	oarallel ( 25 pin) pin) e	<ul> <li>- 64MB SO DIMM 3.3v NP EDO 6</li> <li>- ThinkPad 560 Port Replicator</li> <li>- ThinkPad 380/385 Port Replicator</li> <li>- ThinkPad Enhanced Port Replica</li> <li>- ThinkPad 380/385 Li-Ion Battery</li> <li>- ThinkPad 380/385 Li-Ion Battery</li> <li>- 56 watt AC Adapter (barrel; 3 prc</li> <li>- 6.4GB disk, 13ms, Ultra DMA/33</li> <li>- 33 6Kbps Modem with X IACK</li> </ul>	46H4209 or 84G1316 ator 11J8997 (old) 73H9793 02K6507 ong) 83H6739	FEATURES DMI 2.0 compliant (via software upgrade) PC 97 compliant Wired for Management 1.1a Setup Guide, User's Guide, Options by IBM catalog, Windows 95 book System Status Indicators Plug and Play 1 0a			

- Power connector (requires AC power; can not run on battery)

- Features of the PC Card slots: Two Type III slots (side by side) PC Card Standard 95 compliant CardBus compliant (PCI 2.1 / 32-bit) 2(2) bit DC Card Standard Standa
- Requires no PCI-to-PCI bridge

is overnight, 3 business day average turnaround)

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and hibernation modes ENERGY STAR compliant International Warranty Service<sup>14</sup>

24 hour / 7 day telephone<sup>30</sup>, bulletin board, fax, electronic, and Internet

(www.ibm.com/pc/us) support IBM and dealer warranty/service

Standby, suspend, safe suspend (RediSafe),

Plug and Play 1.0a

55H6759

04K0052

Easy-Setup is entered by holding F1 when

- 33.6Kbps Modem with XJACK - 56K PC Card Modem Kit

turníng on.

ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad in

most North American locations, IBM repairs and mails back (no shipping charges, most shipping

- 56K PC Card Modem/Cellular Capable 02K4196

#### IBM ThinkPad<sup>®</sup> 385XD (Windows 98) - withdrawn

IBM <sup>®</sup> ThinkPad <sup>®</sup>					
Processor type Processor features L2 cache Diskette drive External FDD port CD-ROM	512KB / synchronous pip Internal 3.5" 1.44MB / use None since diskette intern	rocessor, L2 cache, and memory controller (North elined burst (66MHz) e simultaneously with CD-ROM / on right side			
Type - model UPC code Avail / withdrawn date Disk - size / ms Disk - partitioning Disk controller	<b>2635-LEU</b> <b>0-87944-452188</b> July 1998 / September 199 <b>3.2GB</b> <sup>4</sup> / 13ms (read); 14 Partitioned as C: (2GB - F	AI dr 98 th	l-in-one integration means the disk, diskette ive, and CD-ROM are all within the covers of a notebook; removable disk; yboard does not lift up		
Display - size and type Display - techology	<ul> <li>12.1 inch TFT color / Act</li> <li>SVGA / 640x480 or 800x</li> <li>16.7 million simultaneous</li> </ul>	600 / 75ms / 100 nits			
Graphics - controller Graph - arch/data path Graphics - features	2MB / iDRAM™ (embedde	h128XD <sup>™</sup> (NM2160B) / 128-bit SVGA accelerator ed) / color space conversion and interpolation in X SVGA to 1024x768 with 65,536 colors at 75Hz BT / 150 degree tilt	Zoomed Video support / DDC1 and DDC2B and Y axis / support for DCI, DirectDraw		
Memory - std / max Memory - features	32MB / 96MB / non-parity		WINDOWS 98 PRELOAD <sup>16</sup>		
Keyboard / # of keys External keyboard Pointing / palm rest		n key functions) / keyboard slope with Port Replicato rt with option cable 06G8619 or Port Replicator ock keys	<ul> <li>Microsoft Windows 98 (FAT16)</li> <li>Internet Explorer 4.01</li> <li>Online User's Guide</li> <li>ThinkPad Configuration Program</li> </ul>		
Dimensions / weight <sup>2</sup>	11.8 x 9.2 x 2.4" (260 cub	pic inches) / 7.1 pounds (3.2kg) with battery/disk	<ul> <li>Software Select Utility</li> </ul>		
Battery - type / life <sup>10</sup> Charge time - on / off	Li-lon / non-intelligent / 3. 4.2 to 12 hrs / 3.3 hrs	5 hrs	<ul> <li>Diskette Factory and Utilities</li> <li>Artisoft ConfigSafe</li> </ul>		
Architecture	PCI 2.1 / 32-bit / 33MHz ( ISA (audio, diskette, seria	ISA bridge) / TI® <b>TI1250A</b> PCMCIA controller EIDE, graphics, PCMCIA, USB) al, parallel, infrared) / NS PC97338 (FDC, IR, I/O)	<ul> <li>IBM Update Connector</li> <li>Puma IntelliSync 97</li> <li>Norton AntiVirus (OEM Version)</li> <li>IBM Global Network™ (IGN Dialer)</li> <li>Netscape Navigator browser</li> </ul>		
Docking station Port replicator	3 ThinkPad 380/385 Port		RingZero Fax Čentral     IntelliQuest Registration Mailer     Ergonomics		
PCMCIA <sup>™</sup> slots USB / serial / parallel	PCMCIA 2.1 compatible / One USB / one 9 pin; 165	Type III / <b>CardBus 32-bit PCI</b> / Zoomed Video PC Card Standard 95 50A / one (IEEE P1284-A, EPP, ECP, bidirection: rsal AC adapter; barrel (56 watts) / 35 watt support	Intuit Expensable     ThinkPad on the Net     Personalization Editor		
Other features Video in/out MPEG decoder Data/fax modem Audio Speakers Audio features Audio in/out jacks Infrared ports	None None (software support for 56KB <sup>9</sup> PC Card Modem / 16-bit / CS4237B / SRS 3 Two front stereo speaker Dial volume control (left s Input/microphone jack (st	or MPEG-1 in Windows 98) / Cellular Capable / x2 / XJACK connector (02K41	<ul> <li>Lotus SmartSuite 97</li> <li>Rand McNally's Trip Maker</li> <li>Quicken 98</li> <li>EA Sports PGA Tour Golf CD-ROM</li> <li>Recovery CD-ROM with boot diskette</li> </ul>		
Security		ervisor password / hard disk password / alization screen at startup	Fn + F2 = Battery guage		
Preinstalled software Limited warranty <sup>11</sup> Service options <sup>15</sup>	1 year - ThinkPad EasySe	with applications (listed on right) erv (door-to-door depot repair service) or carry-in is day (72 cities) / warranty extension to 3 or 5 yea	$ \begin{array}{rrr} Fn+F3 &=& Standby \\ Fn+F4 &=& Suspend \\ Fn+F7 &=& LCD/CRT/Simultaneous \\ Fn+F11 &=& Power mgmt \end{array} $		
provide cable manage and CardBus PC Car - Dual IBM lock slots	nced Port Replicator ement, additional I/O ports, d slots. Features include: to secure the ThinkPad, Booliactor	OPTIONS - 16MB SO DIMM 3.3v NP EDO 64-bit 92G7341 - 16MB SO DIMM NP EDO 64-bit (new)01K1124 - 32MB SO DIMM 3.3v NP EDO 64-bit 92G7342 - 64MB SO DIMM 3.3v NP EDO 64-bit 92G7342			
PC Cards, and Port	Replicator	- 54MB SO DIMM 3.3v NP EDO 64-bit 76H0268 - ThinkPad 560 Port Replicator 46H4209 - ThinkPad 380/385 Port Replicator 84G1316	EEATUDES		
<ul> <li>Joystick/MIDI port (' - External diskette dri</li> <li>Power connector (re run on battery)</li> </ul>	pin) e nd audio out (3.5 mm) 15 pin) - not on system ve conntr - not on system equires AC power; can not	<ul> <li>ThinkPad So0/385 For Kepilcator</li> <li>ThinkPad Enhanced Port Replicator</li> <li>ThinkPad 380/385 Li-lon Battery (old)</li> <li>ThinkPad 380/385 Li-lon Battery</li> <li>ThinkPad 380/385 Li-lon Battery</li> <li>Carbar Charger</li> <li></li></ul>	DMI 2.0 compliant (via software upgrade) PC 97 compliant Wired for Management 1.1a Setup Guide, User's Guide, Options by IBM catalog, Windows 95 book System Status Indicators Plug and Play 1.0a Standby, suspend, safe suspend (RediSafe)		
Features of the PC C: - Two Type III slots (s - PC Card Standard 9 - CardBus compliant - 8/16-bit PC Card sup - Texas Instruments F - Requires no PCI-to-	side by side) 15 compliant (PCI 2.1 / 32-bit) pport (no Zoomed Video) PCI1131 controller	and hibernation modes ENERGY STAR compliant International Warranty Service <sup>14</sup> 24 hour /7 day telephone <sup>30</sup> , bulletin board, fax, electronic, and Internet (www.ibm.com/pc/us) support IBM and dealer warranty/service			

ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad in most North American locations, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business day average turnaround)

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# IBM ThinkPad<sup>®</sup> 390 - withdrawn

IBM <sup>®</sup> ThinkPad <sup>®</sup>						
Processor Processor features L2 cache Diskette drive External FDD port CD-ROM DVD-ROM	No upgrade / processor, I 512KB / sync pipelined b Internal 3.5" 1.44MB / ren None since diskette interr CD-ROM / 24X-10X <sup>6</sup> spec		Bridge) on Intel Mobile M CC and 150MHz for Per on right side / integrated vable from UltraBay FX /	/lodule ntium II) with CD-ROM on right side /	All-in-one design: disk, diskette drive, and CD-ROM are all within the covers integrated with diskette drive	
Type - model Processor Disk - size / ms Disk controller	<b>2626-20U</b> <b>Pentium 233MHz</b> <b>3.2GB</b> <sup>4</sup> / 13ms read / 14n	2626-50U Pentium II 233MHz ns write / S.M.A.R.T. <sup>29</sup> one internal disk / disk can b	<b>2626-70U</b> <i>Pentium II 266MHz</i> <b>4.3GB</b> <sup>4</sup> / 13ms read / 14	4ms write / S.I	M.A.R.T. <sup>29</sup>	
Display - size and type Display - techology	<b>12.1" TFT color / Active</b> <b>SVGA</b> / 640x480 or 800x6 <b>16.7 million simultaneou</b>		14.1" TFT color / Active XGA / 640x480 or 800x0 16.7 million simultane	600 or 1024x7		
Graphics - controller Graphics - external	2.5MB / SDRAM (embede External SVGA to 1024x7	a256AV <sup>™</sup> (NM2200) / PCI 2. ded) / motion compensation 68 with 16.7 million colors at	on / color space conversi 85Hz	on / interpolat	rface / DDC2B / Direct3D ion in X and Y axis y (UltraBay FX) has a device	
Graphics - features Memory - std / max Memory - features	<b>32MB</b> / 256MB <sup>33</sup> SDRAM / non-parity / 66M 2 sockets for JEDEC 144	RT / 150 degree tilt / multiple IHz / 3.3 volt / 64-bit -pin SO DIMMs / one socke ottom via removing cover he	64MB / 256MB <sup>33</sup> t used by std memory	<ul> <li>lock on the b</li> <li>LED which s</li> <li>device; it su</li> <li>standard c</li> </ul>	bottom of the system and a bay should be off to safely remove a	
Keyboard Pointing	Full-size 85-key (7 Fn key TrackPoint <sup>®</sup> / Press-to-Se	functions) / palm rest / keyb lect / Release-to-Select / dra (Internet Scroll Bar) or magn	oard slope with tilt feet agging / click pace	<ul> <li>battery as</li> <li>optional se</li> </ul>		
Dimensions Weight <sup>2</sup> Case material	12.4 x 10.1 x 1.8" (225 cu 7.5 lbs (3.4 kg) with batter PC/ABS plastic	ibic inches) y and disk	12.4 x 10.2 x 1.8" (227 7.7 lbs (3.5 kg) with batt PC/ABS plastic		All models: - C: drive is FAT16 of 2GB - D: drive is FAT32 of	
Battery - type / life <sup>10</sup> Charge time <sup>10</sup> - on / off		s (1 battery) / left side ntium system / <b>Intel 440BX</b> F	Li-Ion / intelligent / 4 hrs 6 hrs on / 3 hrs off	/ left side	remaining space	
Docking station Port replicator PC Card Std slots USB / serial / parallel Other features	PCI 2.1 / 32-bit / 33MHz ( ISA (audio, diskette, serie None ThinkPad Port Replicator 2 Type I, 2 Type II, or 1 Tyj <b>One USB</b> / one 9 pin; 165	b ISA bridge, USB) <b>50A</b> PCMCIA controller / NS EIDE, graphics, PCMCIA, U I, parallel, infrared, modem) with Advanced EtherJet™ / T pe III / CardBus 32-bit / PCMú 50A / one (IEEE P1284-A, E sal AC adapter; barrel (56 wa	JSB, audio) hinkPad 560 Port Replic CIA 2.1 / Zoomed video PP, ECP, bidirectional)	WINDOWS 98 PRELOAD <sup>16</sup> - Microsoft <sup>®</sup> Windows <sup>®</sup> 98 - Online User's Guide - ThinkPad Configuration Program - ThinkPad Utilities - IBM Update Connector - RingCentral Fax - Ergonomics - IBM Registration - Puma IntelliSync 97 (infrared) - IBM Global Network Dialer - Netscape Navigator web browser - Lotus <sup>®</sup> SmartSuite Millennium <sup>20</sup> - PC Doctor - ConfigSafe - Norton AntiVirus (OEM Version) - ThinkPad on the Net (TCC CD)		
Video in/out MPEG decoder Data/fax modem Audio Speakers Audio features Audio in/out jacks Infrared ports	<b>56Kbps</b> <sup>24</sup> / V.90 / integrat 16-bit SoundBlaster Pro <sup>TT</sup> Two Altec Lansing® stere Dial volume control (right Microphone jack (stereo)	or MPEG-1 in Windows 98) ted in system / Lucent 1644 d compatible / NeoMagic NM o speakers on display (1 wa side) / internal microphone / headphone jack (stereo) / IrDA 1.1 compatible / up to	1A2 / ISA / full duplex htt) line-in jack			
Security Limited warranty <sup>11</sup>	Power-on password / setu security keyhole / security <b>1 year</b> - carry-in or ThinkP	up password / disk password ⁄ screw for UltraBay FX Pad EasyServ™³1 (door-to-do	or depot repair service)	<ul> <li>♦ Customiza</li> <li>♦ Lotus Small</li> </ul>	ation Center CD-ROM artSuite Millennium CD-ROM ecovery CD-ROM	
Service options <sup>15</sup> LCD           Resolution         TFT           640x480         16M           800x600         16M           1024x768         16M           1280x1024	External Monitor           60Hz         75Hz         85Hz           16M         16M         16M           16M         16M         16M           16M         16M         16M           16M         16M         16M           256	OPTIC - 32MB SO DIMM 3.3v NF - 64MB SO DIMM 3.3v NF - 128MB SO DIMM 3.3v N - ThinkPad 560 Port Repli - Port Replicator w/ Advan - ThinkPad 390/i Series Li	5 yrs from purchase date SDRAM 76H0294 SDRAM 20L0241 IP SDRAM 01K1150 cator 46H4209 iced EtherJet05K4872	3.2GB = Ultra DMA/33 or PIO Mode 4 4.3GB = Ultra DMA/33 or PIO Mode 4 6.4GB = Ultra DMA/33 or PIO Mode 4 10GB = Ultra DMA/33 or PIO Mode 4 All disks are S.M.A.R.T. <sup>29</sup> compliant FEATURES Wired for Management 1.1a compliant DMI 2.0 compliant		
management, additio Card slots, and 10/10 LAN <sup>™28</sup> . Features: • 10/100 ethernet (Inte • Dual IBM lock slots t PC Cards, and Port • USB, serial (RS-232 external display, key • Audio in and out (3.5	Feature provides cable nal I/O ports, CardBus PC 0 ethernet with Wake on el 82558, Wake on LAN) to secure the ThinkPad, Replicator 2, 9 pin), parallel (25 pin), /board, mous 5 mm) 15 pin) - not on system rd slots (side by side) 195 compliant tt (PCI 2.1 / 32-bit)	<ul> <li>56 watt AC Adapter (barr</li> <li>6.4GB disk with UltraBay</li> <li>10GB disk with UltraBay</li> <li>900MHz Cordless Comp</li> <li>V.90 PC Card Modem wi</li> <li>10/100 Ethernet CardBu</li> <li>Smart Card Security Kit</li> <li>DVD/Diskette (for UltraB</li> <li>Visit www.ibm.com/pc/us</li> <li>www.ibm.com/pc/ca/acc</li> <li>ThinkPad Proven™ solut</li> <li>www.ibm.com/pc/us/thinl</li> <li>Pressing F1 during startup</li> <li>Setup Utility</li> </ul>	y FX adapter 05K8923 y FX adapter 05K8983 outer Conn 04K0064 ith XJACK <sup>24</sup> 10L7393 s PC Card 08L3147 10L7333 Bay FX) 05K8921 s/accessories (U.S.) or ressories (CA) ions <sup>12</sup> (visit kpad/proven) brings up IBM BIOS	PC 97 comp ACPI ready Wake on LA Setup Guide 98 manual System Statt Plug and Pla Standby, sus ENERGY ST Internationa IBM System 24 hour / 7 d board, fax (www.ibm	itiant (APM enabled) N <sup>™</sup> support <sup>28</sup> , User's Reference, Windows , and Quick Reference Card us Indicators y 1.0a spend, and hibernation modes AR compliant I Warranty Service <sup>14</sup>	

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#### IBM ThinkPad® 390E - withdrawn

IBM <sup>®</sup> ThinkPad <sup>®</sup>								
Processor Processor features L2 cache Diskette drive CD-ROM DVD-ROM	Intel <sup>®</sup> Mobile Celeron™ 3 No upgrade / processor, I <i>Celeron:</i> <b>128KB</b> ; <i>Pentiu</i> Internal 3.5" 1.44MB / ren <b>CD-ROM / 24X-10X</b> <sup>5</sup> spec Option: Removable Ultra	_2 cache, and m II: <b>256KB</b> ; novable from U ed / ATAPI / bo	MTXC (No All: <b>onboai</b> IltraBay FX otable / ren	rth Bridge) on Ir <b>d (full speed)</b> / / on right side / novable from Ult	ntel Mobile sync pipeli integrated raBay FX /	Module ned bu with C on righ	e (MMC2) irst / ECC / write D-ROM / no ext	-back ernal diskette port
Type - model Processor Disk - size / ms Preload (see side) Available date Display (diagonal)	Celeron 300MHz         PII 300           3.2GB <sup>4</sup> / 13ms         3.2GB           Windows 98         Window           March 1999         March 1999	B         / 13ms         4.3GB         / 13ms         6.4GB         / 12ms         6.4GB / 1           lows 98         Windows 98         Windows 98         Windows 98         March 1999         NT 4.0           h 1999         March 1999         March 1999         March 1999         March 19         March 19           'TFT XGA         14.1" TFT XGA         14.1" TFT XGA         14.1" TFT XGA         14.1" TFT					➢ 2626-A0U PII 333MHz None April 1999 14.1" TFT XGA	➢ 2626-B0U Celeron 366 4.8GB / 12/14ms Windows 98 June 1999 12.1" TFT SVGA
Display - size and type Display - technology	12.1" TFT color 308mm / SVGA / 800x600 / 30ms / 16.7 millioncolors / 100 t	150 nits	XGA / 1024	<b>color</b> 338mm / <i>I</i> 4x768 / 30ms / <sup>-</sup> n colors /100 to	120 nits	XG	<b>A / 1024x768 /</b> 2	mm <b>/ Active Matrix</b> 0 to 30ms / 120 nits / 150 to 1 contrast
Graphics - controller Graphics - features	NeoMagic™ MagicMedia 2.5MB / SGRAM (embedo Simultaneous LCD and Cl	ded) / <b>motion</b> (	compensa	tion / color spa	ce conversí			
Memory - std / max Memory - features	32MB / 256MB <sup>33</sup> SDRAM / non-parity / 66M 2 sockets for JEDEC 144	64ME Hz / 3.3 volt / 6 pin SO DIMM	<b>3</b> / 256MB <sup>33</sup> 64-bit s / one soc	ket used by std	memory /		WINDOWS 98	
Disk controller Keyboard Pointing	Sockets accessed from b EIDE / PCI 2.1 / one inter customer / supports two in Full-size 85-key (7 Fn key TrackPoint® / Press-to-Se Center button for scrolling	nal disk / disk d ternal disks/ 13 functions) / pa ect / Release-t	can be remo ms read / 1 Im rest / ke o-Select / c	oved to upgrade 4ms write / S.M yboard slope wi Iragging / click p	by 1.A.R.T. <sup>29</sup> th tilt feet bace /	<ul> <li>Onl</li> <li>Thii</li> <li>Thii</li> <li>IBN</li> <li>Rin</li> </ul>	rosoft® Windows ine User's Guide nkPad Configura nkPad Utilities 1 Update Conne gCentral Fax	e ation Program
Case material	90U/C0U/B0U: 12.4 x <sup>-</sup> )Celeron models: 7.5 lbs PC/ABS plastic	10.1 x 1.8" (22 (3.4 kg) Penti	5 cu in) C um models	<i>Others:</i> 12.4 x 10 7.7 lbs (3.5 kg	0.2 x 1.8" )	<ul><li>Inte</li><li>Pur</li><li>IBN</li></ul>	onomics Illiquest Registra na IntelliSync 97 I Global Network	7 (infrared) < Dialer
Battery - type Battery - life <sup>10</sup> (1 batt) Charge time <sup>10</sup>	90U/C0U/D0U/B0U: NiMH 90U/C0U: 3.0 hrs D0U: 4 90U/C0U/B0U: 5 hrs on / 2	hrs EŎU/ENU	<i>l:</i> 3.8 hrs		0	<ul><li>Lot</li><li>PC</li></ul>	scape Commun us® SmartSuite I Doctor nfigSafe	
Architecture Docking station Port replicator PC Card Std slots USB / serial / parallel	Intel 440BX AGPset / Inte Texas Instruments® TI125 PCI 2.1 / 32-bit / 33MHz ( ISA (diskette, serial, para None ThinkPad Port Replicator 2 Type I, 2 Type II, or 1 Ty One USB / one 9 pin; 165	1A PCMCIA co EIDE, graphics Ilel, infrared) with Advanced pe III / CardBus 50A / one (IEE	EtherJet™ 32-bit / PC E P1284-A	S PC97338 (FC USB, audio, m / ThinkPad 560 MCIA 2.1 / Zoor EPP, ECP, bid	odem) Port Replic ned video	<ul> <li>Nor</li> <li>Thin</li> <li>Uni</li> <li>Cus</li> <li>Lot</li> <li>Rec</li> </ul>	ton AntiVirus (Ol nkPad on the Ne versal Managen stomization Cent	et (TCC CD) nent Agent ter CD Iillennium CD-ROM (Windows 98)
Other features Video (TV) out MPEG decoder Data/fax modem Audio Speakers Audio features Audio in/out jacks Infrared ports	APM-aware BIOS / Ultrasli S-Video out connector on None (W98 support for M 56K <sup>37</sup> V.90 / integrated in 16-bit SoundBlaster Pro™ Two Altec Lansing <sup>®</sup> stere Dial volume control (right Microphone jack (stereo) Infrared port on left side /	side (does no PEG-2 becaus system / PCI / compatible / E o speakers on side) / internal / headphone ja	t require ca e 300MHz / Lucent 16 ESS 1946 / display (1 microphor ack (stereo	ble) / Chrontel C with motion com 46 / not voice-c PCI / full duple: watt) le ) / line-in jack	pensation) apable	<ul> <li>Ser</li> <li>Thin</li> <li>Onl</li> <li>Thin</li> <li>Erg</li> <li>IBM</li> </ul>	WINDOWS NT rosoft Windows vice Pack 4 nkPad Utilities ine User's Guide nkPad Configura onomics 1 Registration na IntelliSync 97	NT® 4.0 tion Program
Security	Power-on password / setu security keyhole / security	screw for Ultral	Bay FX		·	<ul> <li>IBM Global Network Dialer</li> <li>Netscape Communicator</li> <li>Lotus SmartSuite Millennium<sup>20</sup></li> </ul>		
Limited warranty <sup>11</sup> Service options <sup>15</sup>	<b>1 year</b> - carry-in or ThinkPa On-site <sup>32</sup> , M-F, 8-5, next bu	us day (72 cities	s) / serv up t	o 5 yrs from purch	nase date	<ul><li>Uni</li><li>Cor</li><li>Nor</li></ul>	versal Managem nfigSafe ton AntiVirus (Ol 1 Update Connec	ent Agent EM Version)
Color depth LCD	External Monitor		OPT	IONS		<ul> <li>System</li> </ul>	temSoft CardWi	zard
Resolution         TFT           640x480         16M           800x600         16M           1024x768         16M           1280x1024	60Hz         75Hz         85Hz           16M         16M         16M           16M         16M         16M           16M         16M         16M           16M         16M         16M           256	- ThinkPad 39	IMM 3.3v N IMM 3.3v N DIMM 3.3v 60 Port Rep tor w/ Adva 90/i Series I	IP SDRAM IP SDRAM NP SDRAM licator Inced EtherJet Li-Ion Battery	02K6513	<ul> <li>♦ Sof</li> <li>♦ Red</li> <li>Wired</li> </ul>	iversal Managem tware Selections covery CD-ROM FEATU for Management .0 compliant	s CD-RŎM (Windows NT) IRES
All models: - C: drive is FAT16 of - D: drive is FAT32 of		<ul> <li>6.4GB disk v</li> <li>10GB disk v</li> <li>DVD/Disket</li> </ul>	with UltraBa vith UltraBa te (for Ultra	y FX adapter Bay FX)	05K8923 05K8983 05K8921	PC 98 ACPI Wake	compliant ready (APM enal on LAN® suppo	bled) prt <sup>28</sup> Reference, Windows
the bottom of the syste should be off to safely supports: • standard diskette/CI • optional DVD/CD-R	D-ROM (warm swap; W98) OM (warm swap; W98) tery (hot swap; W98/NT); in one < (cold swap)		rḋless Com rd Modem \ rnet CardB Security K roven™ solu m/pc/us/thi	puter Conn with XJACK <sup>24</sup> us PC Card t		OS Syste Plug a Stand ENEF Intern IBM S 24 ho boat (ww	manual, and Quid m Status Indicato nd Play 1.0a by, suspend, and GY STAR comp ational Warranty SystemXtra <sup>®, 35</sup> ur / 7 day <sup>30</sup> telep rd, fax, electronic w.ibm.com/pc/us	ck Reference Card ors I hibernation modes liant Service <sup>14</sup> whone, bulletin c, and Internet

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# IBM ThinkPad® 390X - withdrawn

Processor Processor features         Intel® Mobile Celeron™ 400MHz' or Mobile Pentium® 11 400 No upgrade / processor, L2 cache, and MTXC (North Bridge) / Cleron: 128KB; Pentium II: 256KB; Alf. nobbard (full spee Diskette drive CD-ROM           CD-ROM         CD-ROM         CD-ROM         Precisor           Dyber - model         7262-F0U         2826-H0U         2826-H0U         2826-UU           Precessor / MHz         2626-F0U         Pentium II 400         Pentium II 400           Avail / withdrawn date Avail / withdrawn date         Sept 99 / Jul 00           Display : size and type!         TFT SVGA   800x600 / 20 to 30ms / 150 nits 16.7 million colors / 1           Memory - std / max Memory - features         SDRAM / non-parity / 100MHz / PC100-compliant / 3.3 volt / 64 2 sockets for JEDEC 144-pin SO DIMMs / one socket used by Sockets accessed from bottom via removing cover held by phillion 20 interestor / 21 PC1 2.1 / one internal disk / disk can be removed to upg customer / supports two internal disk / 13ms read / 14ms write F0U-XIM4H / intelligent / left side Others: Li-Ion / intelligent / left Satery - type Sockets accessed from bottom via removing cover held by phill           Disk controller         EIDE / PC1 2.1 / one internal disk / disk can be removed to upg customer / supports two intern	n Intel Mobile d) / sync pipel side / integratu d UltraBay FX / d with a diske 2626-JN Pentium ns 6.4GB / 8 NT 4.0 100 Sept 99 / 15" TFT n / Active Mat 0 30ms / 120 r 50 to 1 contras 256-bit memory pace convers support <sup>26</sup> bit / std memory / bs-head screw ade by S.M.A.R.T. <sup>29</sup> e with till feet ck pace / s / spare caps	Module (MMC2) lined burst / ECC / write-back ed with CD-ROM / no external disktte port / on right side / integrated with diskette drive ette drive U II 400 12ms / Jul 00 XGA trixt XGA / 1024x768 / 10 to 30ms / 120 nits t 16.7 million colors / 150 to 1 contrast ry interface / 1X AGP / DDC2B / sion / interpolation in X and Y axis WINDOWS 98 PRELOAD <sup>16</sup> - Microsoft® Windows® 98 • Access ThinkPad • Online User's Guide • ThinkPad Utilities • IBM Update Connector • RingCentral Fax • Ergonomics			
Type - model Processor / MHz Disk - size / read ms       2626-F0U Celeron 400 4.8GB / 13ms       2626-H0U Pentium II 400 6.4GB / 12ms       2626-HNU Pentium II 400 6.4GB / 12ms       2626-HNU Pentium II 400 6.4GB / 12ms       2626-J0U Pentium II 400 6.4GB / 12ms         Display (diagonal)       12.1" TFT SVGA 11.1" TFT XGA       15.4" TFT XGA 15." TFT XGA       Sept 99 / Jul 00 12.1" TFT SVGA       Sept 99 / Jul 00 14.1" TFT XGA       Sept 99 / Jul 00 15." TFT XGA         Display (diagonal)       12.1" TFT color 308mm / Active Matrix 16.7 million colors / 150 to 1 contrast       14.1" TFT color 358m XGA / 1024x758 / 20         Graphics controller       16.7 million colors / 150 to 1 contrast       16.7 million colors / 150 16.7 million colors / 150 to 1004Ks / one socket used by Sockets accessed from bottom via removing cover held by phill oustomer / supports two internal disk / 13ms read / 14ms write Full-size 85-key (7 Fn key functions) / palm rest / keyboard slop TrackPoint <sup>®</sup> / Press-to-Select / Release-to-Select / dragging / cl center button for scolling (Internet Scoll Bar) or magnifying glas         Dimensions       12.1"/14.1" 12.4 x 10.1 x 1.8" (225 cu in) 15": 12.9 x 10.6 x 1.8 Weight <sup>9</sup> (with batt/disk) (12.1" and 14.1" models: 7.5 lbs (3.4 kg) 15" models: 7.9 lbs (3.6 Case matrial         Dimensions       12.1"/14.1" 12.4 x 10.1 x 1.8" (225 cu in) 15": 12.9 x 10.6 x 1.8 Weight <sup>9</sup> (vith batt/disk) (12.1" and 14.1" models: 7.5 lbs (3.4 kg) 15" models: 7.9 lbs (3.6 Case matrial         Dimensions	2626-JN Pentium ns 6.4GB / 8 NT 4.0 Sept 99 / 15" TFT n / Active Mat o 30ms / 120 r 50 to 1 contras 256-bit memory pace convers support <sup>26</sup> bit / std memory / ps-head screw ade by S.M.A.R.T. <sup>29</sup> e wh till feel s / spare caps f (246 cu) kg)	U II 400 12ms 'Jul 00 XGA trix 15.0" TFT color 381mm / Active Matrix XGA / 1024x768 / 10 to 30ms / 120 nits 16.7 million colors / 150 to 1 contrast ry interface / 1X AGP / DDC2B / sion / interpolation in X and Y axis WINDOWS 98 PRELOAD <sup>16</sup> - Microsoft® Windows® 98 • Access ThinkPad • Online User's Guide • ThinkPad Configuration Program • ThinkPad Utilities • IBM Update Connector • RingCentral Fax • Ergonomics			
Display - technology       SVGA / 800x600 / 20 to 30ms / 150 nits 16.7 million colors / 150 to 1 contrast       XGA / 1024x768 / 20 16.7 million colors / 150 to 1 contrast         Graphics controller       NeoMagic™ MagicMedia256AV™ (NM2200) / 128-bit engine, 2.5MB / SGRAM (embedded) / motion compensation / color Simultaneous LCD and CRT <sup>26</sup> / 150 degree tilt / multiple-monito 64MB / 512DM3 <sup>3</sup> Memory - std / max       64MB / 512DM3 <sup>3</sup> Memory - features       SDRAM / non-parity / 100MHz / PC100-compliant / 3.3 volt / 64 2 sockets for JEDEC 144-pin SO DIMMs / one socket used by Sockets accessed from bottom via removing cover held by phill Disk controller         Disk controller       EIDE / PC12.1 / one internal disk / disk can be removed to upgi customer / supports two internal disk / disk can be removed to upgi rackPoint <sup>6</sup> / Press-to-Select / Release-to-Select / dragging / di center button for scrolling (Internet Scroll Bar) or magnifying glas 12.1"/14.1": 12.4 x 10.1 x 1.8" (225 cu in) 15": 12.9 x 10.6 x 1.8 Weight <sup>2</sup> (with batt/disk) 12.1" and 14.1" models: 7.5 lbs (3.4 kg) 15" models: 7.9 lbs (3.6 Case material         Dimensions       12.1"/14.1": 12.4 x 10.1 x 1.8" (225 cu in) 15": 12.9 x 10.6 x 1.8 FOU: NiMH / intelligent / left side Others: Li-lon / intelligent / left Battery - life <sup>10</sup> (1 batt)         FOU: SIMA AGPset / Intel PIX4E (EIDE, PCI to ISA bridge, US Texas Instruments® TI1251B PCMCIA controller / NS PC97338 PCI 2.1 / 32-bit / 33MHz (EIDE, graphics, PCMCIA, USB, audi ISA (diskette, serial, parallel, infrared)         None       S-Video out connector on side (does not require cable) / Chron None (W98 support for MPEG-2 because 300MHz with motion Dia volume control (right side) / internal microphon	o 30ms / 120 r 50 to 1 contras 256-bit memor support <sup>26</sup> bit / std memory / bs-head screw ade by S.M.A.R.T. <sup>29</sup> e with till feet ck pace / s / spare caps (246 cu) kg)	XGA / 1024x768 / 10 to 30ms / 120 nits         16.7 million colors / 150 to 1 contrast         ry interface / 1X AGP / DDC2B /         sion / interpolation in X and Y axis         WINDOWS 98 PRELOAD <sup>16</sup> • Microsoft® Windows® 98         • Access ThinkPad         • Online User's Guide         • ThinkPad Configuration Program         • ThinkPad Utilities         • IBM Update Connector         • RingCentral Fax         • Ergonomics			
2.5MB / SGRAM (embedded) / motion compensation / color Simultaneous LCD and CRT <sup>26</sup> / 150 degree tilt / multiple-monito Memory - features         Memory - features       64MB / 512MB <sup>33</sup> SDRAM / non-parity / 100MHz / PC100-compliant / 3.3 volt / 64 2 sockets for JEDEC 144-pin SO DIMMs / one socket used by Sockets accessed from bottom via removing cover held by phill         Disk controller       EIDE / PCI 2.1 / one internal disk / disk can be removed to upgi customer / supports two internal disks / 13ms read / 14ms write Full-size 85-key (7 Fn key functions) / palm rest / keyboard slop Pointing         Dimensions       12.1"/14.1": 12.4 x 10.1 x 1.8" (225 cu in) 15": 12.9 x 10.6 x 1.8 Weight <sup>2</sup> (with batt/disk)         Dimensions       12.1"/14.1": 12.4 x 10.1 x 1.8" (225 cu in) 15": models: 7.9 lbs (3.6 Case material         PC/ABS plastic       FOU: NIMH / intelligent / left side       Others: Li-lon / intelligent / left Battery - life <sup>10</sup> (1 batt)         FOU: 2.5 hrs       Grax/Hxx: 3.67 hrs       Jxx: 6 hrs on / 3 hrs off         Architecture       Intel 440BX AGPset / Intel PIIX4E (EIDE, PCI to ISA bridge, U Texas Instruments <sup>®</sup> TI1251B PCMCIA controller / NS PC97338 PCI 2.1 / 32-bit / 33MHz (EIDE, graphics, PCMCIA, USB, audi ISA (diskette, serial, parallel, infrared) None         Docking station Port replicator PC Card Std slots USB / serial / parallel       S-Video out connector on side (does not require cable) / Chron None (W98 support for MPEG-2 because 300MHz with motion Data/fax modem         Video (TV) out MPEG decoder Data/fax modem       S-Video out connector on side (does not require cable) / Chron None (W98 support for MPEG-2 because 3	space convers support <sup>26</sup> bit / std memory / ps-head screw ade by S.M.A.R.T. <sup>29</sup> e with tilt feet ck pace / s / spare caps (246 cu) kg)	<ul> <li>interpolation in X and Y axis</li> <li>WINDOWS 98 PRELOAD<sup>16</sup></li> <li>Microsoft<sup>®</sup> Windows<sup>®</sup> 98</li> <li>Access ThinkPad</li> <li>Online User's Guide</li> <li>ThinkPad Configuration Program</li> <li>ThinkPad Utilities</li> <li>IBM Update Connector</li> <li>RingCentral Fax</li> <li>Ergonomics</li> </ul>			
Memory - std / max Memory - features       64MB / 512MB <sup>33</sup> SDRAM / non-parity / 100MHz / PC100-compliant / 3.3 volt / 64 2 sockets for JEDEC 144-pin SO DIMMs / one socket used by Sockets accessed from bottom via removing cover held by philli         Disk controller       EIDE / PCI 2.1 / one internal disk / disk can be removed to upgr customer / supports two internal disks / 13ms read / 14ms write Full-size 85-key (7 Fn key functions) / palm rest / keyboard slop TrackPoint® / Press-to-Select / Release-to-Select / dragging / cl center button for scrolling (Internet Scroll Bar) or magnifying glas         Dimensions       12.1"/14.1": 12.4 x 10.1 x 1.8" (225 cu in) 15": 12.9 x 10.6 x 1.8. Weight² (with batt/disk)         Dimensions       12.1"/14.1": nodels: 7.5 lbs (3.4 kg) 15" models: 7.9 lbs (3.6 Case material         Dimensions       12.1"/14.1": nodels: 7.5 lbs (3.4 kg) 15" models: 7.9 lbs (3.6 PC/ABS plastic         Battery - type Battery - life <sup>10</sup> (1 batt)       FOU: NIMH / intelligent / left side       Others: Li-lon / intelligent / left FOU: AS plastic         Architecture       Intel 440BX AGPset / Intel PIIX4E (EIDE, PCI to ISA bridge, US Texas Instruments® TI1251B PCMCIA controller / NS PC97338 PCI 2.1 / 32-bit / 33MHz (EIDE, graphics, PCMCIA, USB, audi ISA (diskette, serial, parallel, infrared) None         Docking station PC Card Std slots USB / serial / parallel       One USB / one 9 pin; 16550A / one (IEEE P1284-A, EPP, ECP APM-aware BIOS / Ultraslim AC adapter, barrel, 3-prong, 56 watt         Video (TV) out MPEG decoder Data/fax modem       S-Video out connector on side (does not require cable) / Chron None (W98 support for MPEG-2 because 300MHz with motion S6K <sup>22</sup> V.90	bit / std memory / js-head screw ade by S.M.A.R.T. <sup>29</sup> e with tilt feet ck pace / e / spare caps (246 cu) kg)	<ul> <li>Microsoft® Windows® 98</li> <li>Access ThinkPad</li> <li>Online User's Guide</li> <li>ThinkPad Configuration Program</li> <li>ThinkPad Utilities</li> <li>IBM Update Connector</li> <li>RingCentral Fax</li> <li>Ergonomics</li> </ul>			
Keyboard       customer / supports two internal disks / 13ms read / 14ms write         Full-size 85-key (7 Fn key functions) / palm rest / keyboard slop       TrackPoint® / Press-to-Select / Release-to-Select / dragging / d         Dimensions       12.1"/14.1": 12.4 x 10.1 x 1.8" (225 cu in) 15": 12.9 x 10.6 x 1.8         Weight² (with batt/disk)       12.1"/14.1": 12.4 x 10.1 x 1.8" (225 cu in) 15": 12.9 x 10.6 x 1.8         Weight² (with batt/disk)       12.1"/14.1": 12.4 x 10.1 x 1.8" (225 cu in) 15": 12.9 x 10.6 x 1.8         Battery - type       FOU: NiMH / intelligent / left side       Others: Li-Ion / intelligent / left         Battery - life <sup>10</sup> (1 batt)       FOU: 2.5 hrs       Gxx/Hxx: 3.67 hrs       Jxx: 3.5 hrs         Charge time <sup>10</sup> FOU/Hx: 5 hrs on / 2.5 hrs off       Jxx: 6 hrs on / 3 hrs off         Architecture       Intel 440BX AGPset / Intel PIIX4E (EIDE, PCI to ISA bridge, US         Docking station       Port replicator       ThinkPad Port Replicator with Advanced EtherJet™ / Basic Por         PC card Std slots       USB / serial / parallel       One USB / one 9 pin; 16550A / one (IEEE P1284-A, EPP, ECP         Other features       S-Video out connector on side (does not require cable) / Chron       None         None       S-Video out connector on side (does not require cable) / Chron       None (W98 support for MPEG-2 because 300MHz with motion         Data/fax modem       S-Video out connector on side (does not require cable	S.M.A.R.T. <sup>29</sup> with tilt feet ck pace / s / spare caps (246 cu) kg)	<ul> <li>Online User's Guide</li> <li>ThinkPad Configuration Program</li> <li>ThinkPad Utilities</li> <li>IBM Update Connector</li> <li>RingCentral Fax</li> <li>Ergonomics</li> </ul>			
Weight² (with batt/disk)       12.1" and 14.1" models: 7.5 lbs (3.4 kg) 15" models: 7.9 lbs (3.6 Case material         Case material       PC/ABS plastic         Battery - type       FOU: NIMH / intelligent / left side       Others: Li-Ion / intelligent / left         Battery - life <sup>10</sup> (1 batt)       FOU: ShiMH / intelligent / left side       Others: Li-Ion / intelligent / left         Architecture       FOU: NIMH / intelligent / left side       Others: Li-Ion / intelligent / left         Architecture       Intel 440BX AGPset / Intel PIIX4E (EIDE, PCI to ISA bridge, US         Docking station       Intel 440BX AGPset / Intel PIIX4E (EIDE, procentrol (role / NS PC97338         PCI 2.1 / 32-bit / 33MHz (EIDE, graphics, PCMCIA, USB, audie ISA (diskette, serial, parallel, infrared)       None         Docking station       None         Pcr Card Std slots       Z type I, 2 Type II, or 1 Type III / CardBus 32-bit / PCMCIA 2.1 / J         USB / serial / parallel       One USB / one 9 pin; 16550A / one (IEEE P1284-A, EPP, ECP         Other features       APM-aware BIOS / Ultraslim AC adapter, barrel, 3-prong, 56 watt         Video (TV) out       S-Video out connector on side (does not require cable) / Chrone         MPEG decoder       S-Video out connector on side (does not require cable) / Chrone         Data/fax modem       56K <sup>22</sup> V.90 / integrated in system / PCI / Lucent 1646 / not voic conforms to earlier draft specs similar to Mini PCI Type IIIb	kġ)	Ergonomics			
Battery - life¹⁰ (1 batt) Charge time¹⁰       FOU: 2.5 hrs GxX/Hxx: 3.67 hrs Jxx: 3.5 hrs FOU/Hxx: 5 hrs on / 2.5 hrs off Jxx: 6 hrs on / 3 hrs off         Architecture       Intel 440BX AGPset / Intel PIIX4E (EIDE, PCI to ISA bridge, US Texas Instruments® TI1251B PCMCIA controller / NS PC97338 PCI 2.1 / 32-bit / 33MHz (EIDE, graphics, PCMCIA, USB, audi ISA (diskette, serial, parallel, infrared)         Docking station Port replicator PC Card Std slots USB / serial / parallel       None ThinkPad Port Replicator with Advanced EtherJet™ / Basic Port 2 Type I, 2 Type II, or 1 Type III / CardBus 32-bit / PCMCIA 2.1 / One USB / one 9 pin; 16550A / one (IEEE P1284-A, EPP, ECP APM-aware BIOS / Ultraslim AC adapter, barrel, 3-prong, 56 watt Video (TV) out MPEG decoder Data/fax modem       S-Video out connector on side (does not require cable) / Chron None (W98 support for MPEG-2 because 300MHz with motion 56K <sup>22</sup> V.90 / integrated in system / PCI / Lucent 1646 / not voic conforms to earlier draft specs similar to Mini PCI Type IIIb 16-bit SoundBlaster Pro™ support / ESS 1946 / PCI / full duple Two Altec Lansing® stereo speakers (1 watt) on display (on fro Dial volume control (right side) / internal microphone Microphone jack (stereo) / headphone jack (stereo) / line-in ja	side	<ul> <li>Intelliquest Registration</li> <li>Puma IntelliSync 97 (infrared)</li> </ul>			
Texas Instruments® TI1251B PCMCIA controller / NS PC97338         PCI 2.1 / 32-bit / 33MHz (EIDE, graphics, PCMCIA, USB, audi ISA (diskette, serial, parallel, infrared)         Docking station         Port replicator         PC card Std slots         USB / serial / parallel         Other features         Video (TV) out         MPEG decoder         Data/fax modem         Audio         Speakers         Audio in/out jacks    Texas Instruments® TI1251B PCMCIA controller / NS PC97338 PCI 2.1 / 32-bit / 33MHz (EIDE, graphics, PCMCIA, USB, audi ISA (diskette, serial, parallel, infrared)    None ThinkPad Port Replicator with Advanced EtherJet™ / Basic Port 2 Type I, 2 Type II, or 1 Type III / CardBus 32-bit / PCMCIA 2.1 / 2 One USB / one 9 pin; 16550A / one (IEEE P1284-A, EPP, ECP APM-aware BIOS / Ultraslim AC adapter, barrel, 3-prong, 56 watt S-Video out connector on side (does not require cable) / Chron None (W98 support for MPEG-2 because 300MHz with motion 56K <sup>22</sup> V.90 / integrated in system / PCI / Lucent 1646 / not voic conforms to earlier draft specs similar to Mini PCI Type IIIb 16-bit SoundBlaster Pro™ support / ESS 1946 / PCI / full duple Two Altec Lansing® stereo speakers (1 watt) on display (on fro Dial volume control (right side) / internal microphone Microphone jack (stereo) / headphone jack (stereo) / line-in ja		<ul> <li>IBM Global Network Dialer</li> <li>Netscape Communicator</li> <li>Lotus<sup>®</sup> SmartSuite<sup>®</sup> Millennium<sup>20</sup></li> <li>PC-Doctor</li> </ul>			
Video (TV) out       S-Video out connector on side (does not require cable) / Chron         MPEG decoder       None (W98 support for MPEG-2 because 300MHz with motion         Data/fax modem       56K <sup>22</sup> V.90 / integrated in system / PCI / Lucent 1646 / not voic conforms to earlier draft specs similar to Mini PCI Type IIIb         Audio       5bit SoundBlaster Pro™ support / ESS 1946 / PCI / full duple         Speakers       Two Altec Lansing® stereo speakers (1 watt) on display (on fro         Audio in/out jacks       Microphone jack (stereo) / headphone jack (stereo) / line-in jace	251B PCMCIA controller / NS PC97338 (FDC, IR, I/O) z (EIDE, graphics, PCMCIA, USB, audio, modem) irallel, infrared) or with Advanced EtherJet <sup>™</sup> / Basic Port Replicator Type III / CardBus 32-bit / PCMCIA 2.1 / Zoomed video 6550A / one (IEEE P1284-A, EPP, ECP, bidirectional)				
	on side (does not require cable) / Chrontel Ch7004C-T r MPEG-2 because 300MHz with motion compensation) d in system / PCI / Lucent 1646 / not voice-capable / tft specs similar to Mini PCI Type IIIb ro™ support / ESS 1946 / PCI / full duplex ereo speakers (1 watt) on display (on front for 15" mod) ght side) / internal microphone eo) / headphone jack (stereo) / line-in jack				
Security Power-on password / setup password / disk password / security keyhole / security screw for UltraBay FX		IBM Global Network Dialer     Netscape Communicator     ConfigSafe     Norton AntiVirus (OEM Version)			
Limited warranty <sup>11</sup> <b>1 year</b> - carry-in or ThinkPad EasyServ <sup>TM31</sup> (door-to-door depot Service options <sup>15</sup> On-site <sup>32</sup> , M-F, 8-5, next bus day (72 cities) / serv up to 5 yrs from	purchase date	<ul> <li>IBM Update Connector</li> <li>SystemSoft CardWizard</li> </ul>			
Color depth         LCD         External Monitor         OPTIONS           Resolution         TFT         60Hz         75Hz         85Hz         - 32MB SO DIMM 100MHz NP SDR.           640x480         16M         16M         16M         16M         16M         - 64MB SO DIMM 100MHz NP SDR.           800x600         16M         16M         16M         16M         - 256MB SO DIMM 100MHz NP SDR.           1024x768         16M         16M         16M         16M         - 256MB SO DIMM 100Mz NP SDR.           1280x1024          256           Basic (ThinkPad 560) Port Replica	M 20L0254 M 20L0255 M 33L3069 or 46H4209	Universal Management Services     Software Selections CD-ROM     Lotus SmartSuite Millennium CD-ROM     Recovery CD-ROM (Windows NT)     FEATURES			
<ul> <li>All models:</li> <li>C: drive is FAT16 of 2GB</li> <li>D: drive is FAT32 of remaining space</li> <li>The right bay (UltraBay FX) has a device lock on the bottom of the system and a bay LED which should be off to safely remove a device; it supports:</li> <li>standard diskette/CD-ROM (warm swap with Windows 98)</li> <li>optional second battery (hot swap; W98)</li> <li>optional second disk (cold swap)</li> <li>optional Second disk (cold swap)</li> <li>optional ThinkPad Proven<sup>™</sup> solutions<sup>12</sup></li> <li>Port Replicator w/ Advanced Ether, 7</li> <li>ThinkPad 390/i Series Li-Ion Batter, 7</li> <li>Ultraslim 56 watt AC Adapter (3-pro 6.4GB disk with UltraBay FX adapte 10GB disk with UltraBay FX adapte 12GB disk with UltraBay FX adapte 4X-1X DVD/Diskette (for UltraBay FX)</li> <li>Tol/100 EtherJet Ready Port CardE Adapter with 56K modem 10/100 Ethernet CardBus PC Card</li> <li>IBM Portable Drive Bay</li> <li>ThinkPad Proven<sup>™</sup> solutions<sup>12</sup></li> </ul>	<ul> <li>Port Replicator w/ Advanced EtherJet 05K4872</li> <li>ThinkPad 390/i Series Li-Ion Battery 02K6513</li> <li>Ultraslim 56 watt AC Adapter (3-prong) 02K6545</li> <li>6.4GB disk with UltraBay FX adapter 05K8923</li> <li>10GB disk with UltraBay FX adapter 05K9268</li> <li>12GB disk with UltraBay FX adapter 05K9268</li> <li>4X-1X DVD/Diskette (for UltraBay FX) 05K9129</li> <li>CD/Diskette (for UltraBay FX) 05K8986</li> <li>10/100 EtherJet Ready Port CardBus Adapter with 56K modem 34L1301</li> <li>10/100 Ethernet CardBus PC Card 08L3147</li> <li>IBM Portable Drive Bay 37L1511</li> <li>ThinkPad Proven<sup>™</sup> solutions<sup>12</sup> (visit www.ibm.com/pc/us/thinkpad/proven)</li> </ul>				

No warranties are expressed or implied in this summary (390X) © IBM Corp. June 2000

# IBN ThinkPad® 390X (Pentium III) - withdrawn

IBM <sup>®</sup> ThinkPad <sup>®</sup>							
Processor Processor features L2 cache Diskette drive CD-ROM DVD-ROM	Intel <sup>®</sup> Mobile Mobile F No upgrade / processor 256KB / at processor s Internal 3.5" 1.44MB / r CD-ROM / 24X-10X <sup>5</sup> sp Option: Removable Uli	r, L2 cache, and memo peed / sync pipelined emovable from UltraB peed / ATAPI / bootable	ory controller (North́ Br burst / ECC / write-bac ay™ FX / on right side / e / removable from Ultra	ridge) on ck / integrate aBay FX /	ed with CD-ROI on right side / i	dule (MMC2) M / no external disktte port ntegrated with diskette drive	
Preload (see side) Avail / withdrawn date Display (diagonal)	Pentium III 450MHz 12.0GB <sup>4</sup> / 12ms Windows 98 SE Dec 1999 / Oct 2000 14.1" TFT XGA	<ul> <li>2626-LNU</li> <li>Pentium III 450MHz</li> <li>12.0GB / 12ms</li> <li>NT 4.0</li> <li>Dec 1999 / Oct 2000</li> <li>14.1" TFT XGA</li> </ul>	12.0GB Window Dec 199	ium III 500MHz GB / 12ms Iows 98 SE 1999 / Jan 2001 FT XGA Pentium III 500MHz 12.0GB / 12ms NT 4.0 Dec 1999 / Jan 2001 15" TFT XGA			
Display - size and type Display - technology	14.1" TFT color 358mn XGA / 1024x768 / 20 to 16.7 million colors /15	o 30ms / 120 nits	XGA / 1	TFT color 381mm / Active Matrix 1024x768 / 10 to 30ms / 120 nits hillion colors / 150 to 1 contrast			
Graphics controller	NeoMagic <sup>™</sup> MagicMee 2.5MB / SGRAM (embe simultaneous LCD and	edded) / motion comp	ensation / color space	e conversi			
Memory - std / max Memory - features	64MB / 512MB <sup>33</sup> SDRAM / non-parity / 1 2 sockets for JEDEC 1 sockets accessed from	44-pin SO DIMMs / on	e socket used by std n		<ul> <li>Microsoft<sup>®</sup> W</li> <li>Access Thin</li> </ul>		
Disk controller Keyboard Pointing	EIDE / PCI 2.1 / one in customer / supports two Full-size 85-key (7 Fn k TrackPoint® / Press-to- center button for scrolling	internal disks / 13ms ro ey functions) / palm res Select / Release-to-Sel ng (Internet Scroll Bar) o	ead / 14ms write / S.M. st / keyboard slope with ect / dragging / click pa or magnifying glass / sp	.A.R.T. <sup>29</sup> n tilt feet ace / are caps	<ul> <li>Online User's Guide</li> <li>ThinkPad Configuration Program</li> <li>ThinkPad Utilities</li> <li>IBM Update Connector</li> <li>RingCentral Fax</li> <li>ThinkPad on the Net</li> </ul>		
Case material	14.1"mod: 12.4 x 10.2 x 14.1" models: 7.7 lbs (3 PC/ABS plastic	8.5 kg) 15" models: 7.9		(246 cu)	<ul> <li>Netscape Co</li> </ul>	Network Dialer	
Battery - type Battery - life <sup>10</sup> (1 batt) Charge time <sup>10</sup>	Li-lon / intelligent / left s 14.1" models: 3.7 hrs 14.1" models: 5 hrs on /	<i>15" models:</i> 3.3 hrs 2.5 hrs off <i>15" mode</i>		<ul> <li>PC-Doctor</li> <li>ConfigSafe<sup>®</sup></li> <li>Norton AntiV</li> </ul>	irus™ (OEM Version)		
Architecture Docking station Port replicator PC Card Std slots USB / serial / parallel Other features	Intel 440BX AGPset / I Texas Instruments® TI1 PCI 2.1 / 32-bit / 33MH ISA (diskette, serial, pa None ThinkPad Port Replicat 2 Type I, 2 Type II, or 1 One USB / one 9 pin; 1 APM-aware BIOS / Ultra	<b>251B</b> PCMCIA controll z (EIDE, graphics, PCI irallel, infrared) or with Advanced Ethe Type III / CardBus 32-b 6550A / one (IEEE P12	dem) llicator ed video	<ul> <li>♦ Software Se</li> <li>♦ Lotus Smart:</li> <li>♦ Recovery CE</li> <li>♦ Recovery CE</li> <li>₩INDOW</li> <li>Windows 20</li> </ul>	Suite Millennium CD-ROM D-ROM (Windows 98) D-ROM (Windows 95) <sup>7</sup> /S 2000 PRELOAD <sup>16</sup> 00® Professional		
Video (TV) out MPEG decoder Data/fax modem Audio Speakers Audio features Audio in/out jacks Infrared ports Security	S-Video out connector None (W98 support for 56K <sup>37</sup> V.90 / integrated conforms to earlier drat 16-bit SoundBlaster Pr- Two Altec Lansing® ste Dial volume control (rig Microphone jack (stere Infrared port on left sid Power-on password / s security keyhole / secu	MPEG-2 because 300 in system / PCI / Luce it specs similar to Mini p™ support / ESS 1946 reo speakers (1 watt) ht side) / internal micr o) / headphone jack (s e / IrDA 1.1 compatible etup password / disk pa	MHz with motion comp nt 1646 / not voice-cap PCI Type IIIb 5 / PCI / full duplex on display (on front for ophone tereo) / line-in jack 4 / up to 4Mbps assword /	ensation) pable /	<ul> <li>ThinkPad Configuration Program</li> <li>IBM Registration</li> <li>PC-Doctor</li> <li>RingCentral Fax</li> <li>Netscape Communicator</li> <li>ConfigSafe</li> <li>IBM Update Connector</li> <li>SystemSoft CardWizard</li> <li>Norton AntiVirus™ (OEM Version)</li> <li>Universal Management Services (web</li> </ul>		
Limited warranty <sup>11</sup> Service options <sup>15</sup>	<b>1 year</b> - carry-in or Thir On-site <sup>32</sup> , M-F, 8-5, nex	nkPad EasvServ™³¹ (do	r service) hase date	♦ Software Se ♦ Recovery CE	Suite Millennium CD lections CD-ROM D-ROM (Windows 2000) D-ROM (Windows NT) <sup>40</sup>		
on the bottom of the s which should be off to it supports: • standard diskette/CI Windows 98) • optional DVD/CD-Re	60Hz75Hz85Hz16M16M16M16M16M16M16M16M16M256y FX) has a device lockystem and a bay LEDsafely remove a device0-ROM (warm swap; W98)ery (hot swap; W98/NT);in one< (cold swap)	<ul> <li>- 64MB SO DIMM 1</li> <li>- 128MB SO DIMM</li> <li>- 256MB SO DIMM</li> <li>- Basic (ThinkPad 5</li> <li>- Port Replicator w/</li> <li>- ThinkPad 390 Li-I</li> <li>- Ultraslim 56 watt A</li> <li>- 6.4GB disk with UI</li> <li>- 10GB disk with UI</li> <li>- 12GB disk with UI</li> <li>- 4X-1X DVD/Diske</li> <li>- CD/Diskette (for U</li> </ul>	C Adapter (3-prong) 0. traBay FX adapter 0. traBay FX adapter 0. traBay FX adapter 0. tte (for UltraBay FX) 0. ltraBay FX) 0. leady Port CardBus modem 3. cardBus PC Card 3. by Kit 3. e Bay 3.	FEATURES Wired for Management 1.1a-compliant DMI 2.0-compliant PC 98-compliant ACPI ready (APM enabled) Wake on LAN <sup>®</sup> support <sup>28</sup> Setup Guide, User's Reference, Windc OS manual, and Quick Reference Car System Status Indicators Plug and Play 1.0a Standby, suspend, and hibernation mod ENERGY STAR-compliant International Warranty Service <sup>14</sup> IBM SystemXtra <sup>®, 35</sup> 24 hour / 7 day <sup>30</sup> telephone, bulletin			

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### IBM ThinkPad 560 - withdrawn

IBM <sup>®</sup> ThinkPad <sup>®</sup> :	≫ 560	≫ 560	Т	hinkPad 560 key features:		
Processor type Processor upgrade L2 cache Diskette drive External FDD port CD-ROM drive	None None External 3.5" 1.44 MB (con External FDD port (works	or 12.1" TFT SVGA color <b>, 133/66 MHz</b> / 64 bit to transfers to m nects to left side) / includes case with a with standard external diskette; no kit DEM option via PCMCIA or parallel po	<ul> <li>Next generation <u>ultraportable</u> notebook</li> <li>Slim: 1.2 inches</li> <li>Lightweight: 4.1 pounds</li> <li>Full size keyboard</li> <li>Pentium 100/66 to 133/66 MHz</li> <li>11.3" Dual Scan SVGA or 12.1" TFT SVGA</li> <li>PCI bus</li> <li>8 MB EDO memory</li> </ul>			
Price Type - model Preload (see side) Avail / withdrawn date Pentium speed Disk - size / ms Disk controller	Pallet of 24           2640-50A         Pallet of 24           2640-50C         Blank           May 96 / June 97 and Apr 9           100/66 MHz           810 MB / 13 ms           EIDE / busmaster / PCI 2.	2640-E0A 2640-E0C 26 Windows 95 Blank W	Pallet of 24 2640-F0D 2640-F0G OS/2 Warp Connect Blank July 1996 / January 1997			
Display - size and type	11.3" Dual Scan SVGA co	olor 12.1" TFT SVGA color				
Display - techology		Dual Scan / 30 to 1 contrast ratio	ack Matrix TF	r / 640 x 480 or 800 x 600 / 65,536 sim colors - active matrix / 100 to 1 contrast ratio		
Gaphics - features Graphics - external	PCI 2.1 / 32 bit / 32 bit path Simultaneous LCD and CR External SVGA to 1024 x 7	'68 w/ 256 colors		WINDOWS 95 PRELOAD     Microsoft Windows 95     Online User's Guide		
Memory - std / max Memory - features Memory - upgrade	8 MB / 40 MB (72 MB with 70 ns / non-parity / 3.3 volt 1 socket for one JEDEC 1		MB	<ul> <li>ThinkPad Features Program</li> <li>PC Card Director 4.0</li> <li>Diskette Factory</li> <li>Triton CoSession™ Host</li> </ul>		
Keyboard / # of keys Keyboard slope Pointing device Palm rest	TrackPoint III™ / no drag lo	d remains flat (no sloop) / opt P Replicat	2. Lotus Organizer 3. IntelliLink Connect			
Dimensions Weight	11.7 x 8.7 x 1.22" (124 cub 4.12 pounds (1.87 kg)	ic inches)  4.10 pounds (1.86 kg)	5. Puma TranXit™ 6. Compuserv for Windows			
Battery - type Battery - life (1 batt) Charge time - on / off	Lithium lon / intelligent 3 hours 2.5 to 3.5 hrs / 1.5 hrs		7. NetFinity for Windows 95 - Lotus SmartSuite 96 CD-ROM OS/2 WARP CONNECT PRELOAD			
Architecture Docking Station Port replicator PCMCIA™ 2.1 slots Serial / parallel ports Other features	None ThinkPad 560 Port Replica 2 Type I or 2 Type II or 1 Ty One 9 pin; 16550A / one (II	DE, graphics, PCŃCIA) / Mobile Triton ator /pe III EE P1284-A, EPP, ECP, bidirectiona ong (35 watts) with barrel connector /	<ul> <li>IBM OS/2 Warp Connect Version 3 with WIN-OS/2 with BonusPak applications</li> <li>Online User's Guide</li> <li>ThinkPad Features Program</li> <li>PC Card Director 4.0</li> <li>Diskette Factory</li> <li>Lotus Organizer</li> </ul>			
Video in/out MPEG decoder DSP function Data/fax modem Audio support Jacks Telephone Infrared ports	None None None <b>16 bit audio chip / 18 voic</b> Int stereo speakers / .5 wat Input jack (3.5 mm) / Outpu None	e MIDI FM synthesis / ESS1688 t / rotary volume control / internal micr t jack (3.5 mm) / not full duplex speake rDA 1.0 compatible / up to 115 Kbps	<ul> <li>2. Puma TranXit™</li> <li>3. IntelliLink Connect</li> <li>4. NetFinity for OS/2</li> <li>5. Triton CoSession™ Host;</li> <li>- Lotus SmartSuite 4.0 (entitled to SSuite 96)</li> <li>BLANK PRELOAD</li> <li>- License for SmartSuite</li> </ul>			
Security	Power-on password / Lock	ing device keyhole on back Personalization screen at startup	The optional <b>ThinkPad 560 Port</b> <b>Replicator</b> acts as a wedge which			
Preinstalled software Warranty	Windows 95 with application		attaches to the back and bottom of the unit and provides a keyboard slope.			
Easy-Setup is entered turning on.	by holding F1 when	Compatible in ThinkPad 560 family:	an art a d)			
810 MB = DMA Mod 1.08 GB = DMA Mod Fn + F2 = Batteryg Fn + F3 = Standby Fn + F4 = Suspend Fn + F7 = LCD/CR <sup>2</sup> Fn + F11 = Powerm	e 2 or PIO Mode 4 uage T/Simultaneous gmt	<ul> <li>Disks: (365/760 IDE disks not sup 1.08 GB HDD II EIDE 13 ms</li> <li>2.1 GB HDD 14 ms</li> <li>ThinkPad 560 Port Replicator</li> <li>ThinkPad 560 Li-Ion Battery Pacl</li> <li>35 watt AC Adapter - barrel/3 pron</li> <li>35 watt AC Adapter (slim, 2 pin)</li> <li>8 MB SO DIMM 3.3v NP EDO 64 bit</li> <li>32 MB SO DIMM 3.3v NP EDO 64 bit</li> </ul>	FEATURES OF 560 MODELS Quick Setup Guide Plug and Play 1.0a Standby, suspend, safe suspend, and hibernation modes US EPA Energy Star compliant			
Fn + F12 = Hibernati Hardware acceleratii Windows <sup>™</sup> is integrati graphics controller; int axis; color space conv enabled	<b>on</b> of 'Video for ed into the 9382 terpolation in X and Y	Disk is not removable (like 755/760 but it can be upgraded via a dealer of center (not customer installable). System does not have non-disruptive exchange. Battery can be changed system is off, in hibernation, or under	Personalized nameplate indention Personalization screen at startup International Warranty Service 24 hour / 7 day telephone, bulletin board, fax, electronic, and Internet (http://www.pc.ibm.com) support IBM and dealer warranty/service Online Housecall (remote diagnostics)			

ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business day average turnaround). Overnight repair option in US available for \$99. ≈ = Withdrawn from marketing

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## III ThinkPad 560 (1997 models) - withdrawn

IBM <sup>®</sup> ThinkPad <sup>®</sup>	≫ 560	≫ 560	ThinkPad 560 key features:			
	11.3" Dual Scan SVGA co	or 12.1" TFT SVGA color	Next generation ultraportable notebook			
Processor type Processor upgrade L2 cache Diskette drive External FDD port CD-ROM drive	None External 3.5" 1.44 MB (co External FDD port (works	<ul> <li>2/ 64 bit to transfers to memory</li> <li>(connects to left side) / includes case with a cable rks with standard external diskette; no kit reqd) as OEM option via PCMCIA or parallel port)</li> <li>Contract of the transfers to memory</li> <li>Next generation <u>uttraportable</u> not the transfers to memory</li> <li>Next generation <u>uttraportable</u> not the transfers to memory</li> <li>Next generation <u>uttraportable</u> not the transfers to memory</li> <li>Stratsford uttraportable not the transfers to memory</li> <li>Stratsford uttraport to memory</li> <li>Stratsford uttraport uttraport to memory</li> <li>Stratsford uttraport uttraport uttraport to memory</li> <li>Stratsford uttraport ut</li></ul>				
Codename	Kinzie 3		<ul> <li>S MB EDO memory</li> </ul>			
Price Type - model Preload (see side) Avail / withdrawn date Disk - size / ms Disk controller	<b>2640-10U</b> <b>Windows 95 OSR2</b> February 1997 / January 1 <b>2.1 GB</b> / 14 ms / DMA Mo EIDE / busmaster / PCI 2.					
Display - size and type	11.3" Dual Scan SVGA co	olor 12.1" TFT SVGA color				
Display - techology		Dual Scan / 30 to 1 contrast ratio Black Matrix				
Graphics - controller Graph - arch/data path Gaphics - features Graphics - external	PCI 2.1 / 32 bit / 32 bit path Simultaneous LCD and CF External SVGA to 1024 x 7	68 with 256 colors	WINDOWS 95 PRELOAD     Microsoft Windows 95 OSR2     Online User's Guide			
Memory - std / max Memory - features Memory - upgrade	8 MB / 40 MB (72 MB w/ T 70 ns / non-parity / 3.3 volt 1 socket for one JEDEC 1		<ul> <li>ThinkPad Features Program</li> <li>PC Card Director 4.0</li> <li>Diskette Factory</li> </ul>			
Keyboard / # of keys Keyboard slope Pointing device Palm rest	TrackPoint III™ / no drag lo	d remains flat (no sloop) / opt P Replicator adds	A Dumo Tron Vitt			
Dimensions Weight	11.7 x 8.7 x 1.22" (124 cub 4.12 pounds (1.87 kg)	ic inches)  4.10 pounds (1.86 kg)	6. IBM Anti-Virus 7. IGN/Netscape web browser			
Battery - type Battery - life (1 batt) Charge time - on / off	Lithium lon / intelligent 3 hours 2.5 to 3.5 hrs / 1.5 hrs		8. Ergonomics 9. Lotus Organizer - Lotus SmartSuite 96 CD-ROM -			
Docking Station Port replicator PCMCIA™ 2.1 slots Serial / parallel ports Other features Video in/out MPEG decoder	None ThinkPad 560 Port Replica 2 Type I or 2 Type II or 1 Ty One 9 pin; 16550A / one (II	ÈIDE, graphics, PCMCIA) / Mobile Triton 82430 ator pe III EEE P1284-A, EPP, ECP, bidirectional) ong (35 watts) with barrel connector (slim) /	MX			
DSP function Data/fax modem Audio support Jacks Telephone Infrared ports	None None 16 bit audio chip / 18 void Internal stereo speakers / Input jack (3.5 mm) / Outpu None Infrared port (left side) / I	rDA 1.0 compatible / up to 115 Kbps	Init and provides a keyboard slope.     Following are its connectors:         - Release button			
Security	(Kensington <sup>™</sup> cable lock)	disk password / Locking device keyhole on back / Personalization screen at startup	<ul> <li>Security keyhole (Kensington)</li> <li>Mouse</li> <li>Keyboard</li> </ul>			
Preinstalled software Warranty	Windows 95 with application 1 year - ThinkPad EasySe	ons (listed on right) rv (optional Overnight Repair Option) or carry-in	- External monitor - Parallel			
Easy-Setup is entered turning on.	by holding F1 when	OPTIONS - Disks: (365/760 IDE disks not supported)	<ul> <li>Serial (9 pin)</li> <li>External diskette drive</li> <li>Power jack</li> </ul>			
Fn + F2 = Battery g Fn + F3 = Standby Fn + F4 = Suspend Fn + F7 = LCD/CR Fn + F11 = Power m Fn + F12 = Hibernati <b>Hardware accelerati</b> Windows <sup>™</sup> is integrat graphics controller; int axis; color space conv enabled	T/Simultaneous gmt on on of 'Video for ed into the 9382 ierpolation in X and Y	78       FEATURES OF 560 MODELS         73       Quick Setup Guide         79       Plug and Play 1.0a         76       Standby, suspend, safe suspend, and         76       hibernation modes         79       US EPA Energy Star compliant         70       Personalized nameplate indention         71       Personalization screen at startup         72       International Warranty Service         73       IBM System Care Program         74       hour / 7 day telephone, bulletin				
exchange. Battery ca system is off, in hiberr power.	an be changed while	- Other options from ThinkPad Proven partne Disk is not removable (like 755/760 systems), but it can be upgraded via a dealer or service center (not customer installable).	(http://www.pc.ibm.com) support IBM and dealer warranty/service Online Housecall (remote diagnostics)			

ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business day average turnaround). Overnight repair option in US available for \$99.

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## IBM ThinkPad 560E - withdrawn

IBM <sup>®</sup> ThinkPad <sup>®</sup> :	➤ 560E 11.3" Dual Scan SVGA col	<b>→ 560E</b> or 12.1" TFT SVGA color				
Processor type Processor upgrade L2 cache Diskette drive External FDD port CD-ROM drive	Pentium <sup>a</sup> 150/60 MHz or 166/66 MHz / both with MMX technology / 64 bit transfers to L2 cache and memory None 256 KB / write-back / direct mapped / 8 ns / synchronous pipelined burst External 3.5" 1.44 MB (connects to left side) / includes case with a cable External FDD port (works with standard external diskette; no kit reqd) None (CD-ROM drive as OEM option via PCMCIA or parallel port)					
Price Type - model (code) Processor Preload (see side) Avail / withdrawn date Disk - size / ms Disk controller Display - size and type	EIDE / busmaster / PCI 2.1	2640-40U s Pentium 166/66 MHz with M e 2 or PIO Mode 4 / SMART / supports one internal disk lor   12.1" TFT SVGA color	MMX technology			
Display - techology	11.3" SVGA color / 640 x	•		640 x 480 or 800 x 600 / 65,536 sim colors active matrix / 100 to 1 contrast ratio		
Graphics - controller Graph - arch/data path Graphics - features Graphics - external	Trident <sup>™</sup> CYBER9382 / 64 PCI 2.1 / 32 bit / 32 bit path Simultaneous LCD and CR External SVGA to 1024 x 7	bit SVGA accelerator / 2 MB fast p to memory / DCI, DirectDraw, Enl T / 135 degree tilt		WINDOWS 95 PRELOAD - Microsoft Windows 95 OSR2 (FAT16) - Online User's Guide - ThinkPad Features Program		
Memory - std / max Memory - features Memory - upgrade	<b>16 MB</b> / 80 MB 70 ns / non-parity / 3.3 volt 1 socket for one JEDEC 14	/ EDO 4 pin EDO SO-DIMM of 8, 16, 32,	64 MB	<ul> <li>PC Card Director 4.0</li> <li>Diskette Factory</li> <li>1. Triton CoSession™ Host</li> </ul>		
Keyboard / # of keys Keyboard slope Pointing device Palm rest	TrackPoint III™ / no drag lo	remains flat (no sloop) / opt P Replic		2. CompuServ for Windows 3. NetFinity for Windows 95 4. Puma TranXit™ 5. IntelliLink Connect		
Dimensions Weight	11.7" x 8.7" x 1.22" (124 cu 4.1 pounds (1.9 kg)	bic inches)   4.1 pounds (1.9 kg)		6. IBM Anti-Virus 7. IBM Global Network with Netscape		
Battery - type Battery - life (1 batt) Charge time - on / off	Lithium lon/intelligent 3 hours 2.5 to 3.5 hrs/1.5 hrs		<ul> <li>web browser</li> <li>8. Registration Mailer</li> <li>9. Lotus Organizer</li> <li>10. Lotus SmartSuite 96</li> </ul>			
Architecture Docking Station Port replicator PCMCIA™ 2.1 slots Serial / parallel ports Other features	PCI 2.1 / 32 bit / 33 Mhz (EI None ThinkPad 560 Port Replicat 2 Type I or 2 Type II or 1 Ty One 9 pin; 16550A / one (IE Universal AC Adapter 2 pro	parallel, infrared) / NS PC87334 (I DE, graphics, PCMCIA) / Mobile 1 or pe III / Cirrus Logic® PD6729 EE P1284-A, EPP, ECP, bidirecti ong (35 watts) with barrel connecto .2 / Selectable boot / IBM BIOS	<ul> <li>Lotus SmartSuite 96 CD-ROM</li> <li>Recovery CD-ROM with boot diskette</li> <li>Windows 95 CD-ROM (no installation)</li> <li>Disk is not removable (like 755/760 systems), but it can be upgraded via a dealer or service center (not customer</li> </ul>			
Video in/out MPEG decoder DSP function Data/fax modem Audio support Jacks Telephone Infrared ports	Internal stereo speakers / . Input jack (3.5 mm) / Output None	e MIDI FM synthesis / ESS1688 5 watt / rotary volume control / inte t jack (3.5 mm) / not full duplex sp DA 1.1 compatible / up to 4 Mbp	The optional <b>ThinkPad 560 Port</b> <b>Replicator</b> acts as a wedge which attaches to the back and bottom of the unit and provides a keyboard slope. Following are its connectors:			
Security	Power-on password / hard	disk password / Locking device ke Personalization screen at startup		- Release button		
Preinstalled software Warranty Service options	Windows 95 with applicatio <b>1 year</b> - ThinkPad EasySer		<ul> <li>Security keyhole</li> <li>Mouse</li> <li>Keyboard</li> <li>External monitor</li> <li>Parallel</li> </ul>			
Easy-Setup is entered turning on. Fn + F2 = Battery g	, ,	- Serial (9 pin) - External diskette drive - Power jack				
Fn + F3 = Standby Fn + F4 = Suspend Fn + F7 = LCD/CR Fn + F11 = Power m Fn + F12 = Hibernati	T/Simultaneous gmt	<ul> <li>4.0 GB HDD 13 ms</li> <li>ThinkPad 560 Port Replicato</li> <li>ThinkPad 560 Li-Ion Battery</li> <li>35 watt AC Adapter - barrel/2</li> <li>35 watt AC Adapter (slim, 2</li> <li>8 MB SO DIMM 3.3v NP EDO</li> </ul>	Pack 46H4206 3 prong 85G6719 pin) 76H0139 64 bit 92G7340	FEATURES OF 560E MODELS Quick Setup Guide Plug and Play 1.0a Standby, suspend, safe suspend, and hibernation modes		
Hardware accelerati Windows™ is integrat graphics controller; int axis; color space conv enabled	ed into the 9382 terpolation in X and Y	<ul> <li>16 MB SO DIMM 3.3v NP EDC</li> <li>32 MB SO DIMM 3.3v NP EDC</li> <li>64 MB SO DIMM 3.3v NP EDC</li> <li>External 4 x PCMCIA CD-RON</li> <li>Ext 4 x PCMCIA Stereo CD-</li> <li>8-20 x Portable CD-ROM</li> </ul>	US EPA Energy Star compliant Personalized nameplate indention Personalization screen at startup International Warranty Service IBM SystemXtra Program 24 hour / 7 day telephone, bulletin			
System does not have exchange. Battery ca system is off, in hiberr power.		<ul> <li>8-20 X Portable CD-ROM</li> <li>8-20 x Portable Stereo CD-F</li> <li>PCMCIA 33.6 Kbps modem</li> <li>PCMCIA 33.6 modem w/ X.</li> <li>56K PC Card Modem Kit</li> <li>Other options from ThinkPad</li> </ul>	25H6420 JACK 55H6759 04K0052	board, fax, electronic, and Internet (http://www.pc.ibm.com) support IBM and dealer warranty/service Online Housecall (remote diagnostics)		

ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business day average turnaround).

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## IBM ThinkPad® 560X - withdrawn

IBM <sup>®</sup> ThinkPad <sup>®</sup>
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IBM <sup>®</sup> ThinkPad <sup>®</sup>					
Processor type Processor upgrade L2 cache Diskette drive External FDD port CD-ROM drive	Pentium <sup>®</sup> MMX <sup>™</sup> 200/66 or 23 None 256KB / write-back / direct map External 3.5" 1.44MB (connects External FDD port (works with s None (CD-ROM drive as optior		96MB maximum memory (vs 80MB) CardBus and Zoomed Video PC Cards		
Price Type - model (code) Processor Preload (see side) Avail / withdrawn date Disk - size / ms Disk controller	2640-60U Pentium MMX 200/66MHz Windows 95 OSR2.1 + IE 4.0 March 1998 / September 1998 2.1GB <sup>4</sup> / 14ms / SMART EIDE / busmaster / PCI 2.1 / U	}	2640-70U Pentium MMX 233/66MHz Windows 95 OSR2 November 1997 / September 1998 4.0GB / 13ms / SMART /33 or PIO Mode 4 / supports 1 int di	000000	Supports Enhanced Port Replicator 430TX (vs 430MX) MagicGraph128XD (vs CYBER9382) 256K simultaneous colors (vs 64K)
Display - size and type	<b>12.1" HPA SVGA color</b> (dual 640x480 or 800x600 262,144 simultaneous colors	ix)	WINDOWS 95 PRELOAD <sup>16</sup> Microsoft® Windows® 95 OSR2 (FAT16)		
Display - techology Graphics - controller Graph - arch/data path Graphics - features Graphics - features Graphics - external	30 to 1 contrast / 150ms / 70 m <b>NeoMagic™ MagicGraph128</b> 2MB / iDRAM™ (embedded) / Interpolation in X and Y axis / c Simultaneous LCD and CRT / External SVGA to 1024x768 w	•	<ul> <li>Online User's Guide</li> <li>ThinkPad Features Program</li> </ul>		
Memory - std / max Memory - features Memory - upgrade	32MB std / 96MB max 60ns / non-parity / 3.3 volt / EE 1 socket for one JEDEC 144 p	oin EDO S		_	BM Global Network with Netscape web browser Intelliquest Registration Mailer Artisoft ConfigSafe
Keyboard / # of keys Keyboard slope Pointing device Palm rest	TrackPoint® III / no drag lock k	emains fla keys	t (no sloop) / opt P Replicator adds slo support (with optional cable 54G044	1)	<ul> <li>PointCast (with ThinkPad channel)</li> <li>Ergonomics</li> <li>Lotus<sup>®</sup> SmartSuite 97</li> </ul>
Dimensions Weight <sup>2</sup>	11.7" x 8.7" x 1.22" (124 cubic 4.17 pounds (1.89 kg)	<	<ul> <li>NetFinity for Windows 95 (license only)</li> <li>Recovery CD-ROM with boot diskette</li> <li>Windows 95 CD-ROM (no installation)</li> </ul>		
Battery - type / life <sup>10</sup> Charge time - on / off	Lithium Ion / intelligent / 3.5 ho 2.5 to 3.5 hrs / 1.5 hrs				
Architecture Docking Station	PCI 2.1 / 32-bit / 33MHz (EIDE ISA (audio, diskette, serial, pa Intel 430TX PCIset / PIIX4 (EI None	ι	Disk is not removable, but it can be upgraded via a dealer or service center not customer installable).		
Port replicator PC Card Std slots	ThinkPad 560 Port Replicator, 2 Type I or 2 Type II or 1 Type PCMCIA 2.1 compatible / Texa	E	Easy-Setup is entered by holding F1 when turning on.		
Serial / parallel ports USB port Other features	One 9 pin; 1650A / one (IEEE P1284-A, EPP, ECP, bidirectional) One USB port Universal AC Adapter; 3 prong (56 watts) with barrel connector / APM-aware BIOS / APM 1.2 / Selectable boot / IBM BIOS				System does not have non-disruptive battery exchange. Battery can be changed while system is off, in hibernation, or under AC power. The optional <b>ThinkPad 560 Port</b> <b>Replicator</b> acts as a wedge which attaches to the back and bottom of the unit and provides a keyboard slope. Following are its connectors: - Release button
Video in/out MPEG decoder Data/fax modem Audio support Jacks Infrared ports	None None (software support for MPEG-1 in Windows 95) None <b>16-bit audio chip / FM synthesis / CS4237B / SRS 3D audio</b> (if use ext speakers) Internal mono speaker / .5 watt / rotary volume control / internal microphone Input jack (3.5 mm) / stereo output jack (3.5 mm) / not full duplex speakers/mic Infrared port (left side) / IrDA 1.1 compatible / up to 4Mbps				
Security	Power-on password / hard dis personalization screen at start		rd / security keyhole on back /	-	Security keyhole Mouse
Limited warranty <sup>11</sup> Service options <sup>15</sup>	1 year - ThinkPad EasyServ (	door-to-do	oor depot repair service) or carry-in es) / warranty extension to 3 or 5 yea	- s -	Keyboard External monitor Parallel Serial (9 pin)
cable management, a	Port Replicator provides dditional I/O ports, and	2.1GB di	OPTIONS sk, 14ms 45H87	-	External diskette drive Power jack
	to secure the ThinkPad,	4.0GB di 6.4GB di	sk, 13ms 02K050 sk, 13ms, Ultra DMA/33 02K05	1	FEATURES
PC Cards, and Port Replicator- ThinkPad 560 Port Replicator46H4209Connectors: - USB - Serial (RS-232, 9 pin), Parallel (25 pin) - External display, Keyboard, Mouse - Audio in and out (3.5 mm) - Joystick/MIDI port (15 pin) - not on system - External diskette drive connector- ThinkPad 560 Port Replicator - ThinkPad 560 Li-Ion Battery Pack - 56 watt AC Adapter (barrel; 3 prong) - 8MB SO DIMM 3.3v NP EDO 64-bit - 16MB SO DIMM 3.3v NP EDO 64-bit - 16MB SO DIMM NP EDO 64-bit - 20X-8X Portable CD-ROM11J8997 - 46H4206 - 56 watt AC Adapter (barrel; 3 prong) - 83H6739 - 2027340 - 16MB SO DIMM 3.3v NP EDO 64-bit - 2027341 - 16MB SO DIMM 3.3v NP EDO 64-bit - 20X-8X Portable CD-ROM - 20X-8X Portable Stereo CD-ROM106H209 - 1028 - 2027340 - 2027340 - 2027340 - 2027842 - 2				7 6 9 0 1 4 2 8 0	MI 2.0 compliant C 97 compliant etup Guide, User's Guide, Up and Running lug and Play 1.0a tandby, suspend, safe suspend, and hibernation modes NERGY STAR compliant ersonalized nameplate indention nternational Warranty Service <sup>14</sup> 3M SystemXtra <sup>™</sup>
- Two Type III slots (s - PC Card Standard 9 - CardBus compliant ( - 8/16-bit PC Card sup	ide by side) - 5 compliant - (PCI 2.1 / 32-bit) -	PCMCIA PCMCIA 56K PC 0 56K PC 0	33.6Kbps modem25H6433.6 modem w/ XJACK55H67Card Modem Kit04K00Card Modem/Cellular Capable02K419	20 20 20 6	4 hour / 7 day telephone <sup>30</sup> , bulletin board, fax, electronic, and Internet (www.ibm.com/pc/us) support BM and dealer warranty/service

ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad in most North American locations, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business day average turnaround).

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## IBM ThinkPad<sup>®</sup> 560Z - withdrawn

IBM <sup>®</sup> ThinkPad <sup>®</sup>						
Processor Processor features L2 cache Diskette drive External FDD port CD-ROM drive	Intel® Mobile Pentium® No processor upgrade / p 512KB / synchronous pip External 3.5" 1.44MB (cc External FDD port (works None (CD-ROM drive as	processor on l pelined burst ponnects to left s with standar		WINDOWS 98 PRELOAD <sup>16</sup> - Microsoft® Windows® 98 - ThinkPad Utilities - Online User's Guide - ThinkPad configuration Program - ThinkPad on the Net - IBM Update Connector - RingCentral Fax - Ergonomics - IBM Product Registration - Puma IntelliSync 97 (infrared) - IBM Global Network Dialer		
Type - model Preload (see side) Processor Disk - size / ms Disk controller	2640-90U2640Windows 98NT 4.Pentium II 233MHz4.0GB4 / 13ms / SMARTDisk can be removed andEIDE / busmaster / PCI 2September 1998 / 90U a	0 29 d upgraded by 2.1 / supports				
Display - size and type Display - techology Graphics - controller Graph - arch/data path Graphics - features	12.1" TFT SVGA color ( 640x480 or 800x600 16.7 million simultaneous 100 to 1 contrast ratio NeoMagic™ MagicGrap 2MB / iDRAM™ (embedc Interpolation in X and Y a	active matrix) s colors h <b>128XD™</b> (N led) / PCI 2.1 axis / color sp	<ul> <li>Netscape Navigator web browser</li> <li>Lotus® SmartSuite 97</li> <li>Artisoft ConfigSafe</li> <li>Norton AntiVirus</li> <li>Customization Center CD-ROM</li> <li>Product Recovery CD-ROM (with boot diskette)</li> </ul>			
Graphics - features Graphics - external Memory - std / max Memory - features Memory - upgrade	Simultaneous LCD and C External SVGA to 1024x 32MB std / 96MB or 160I 60ns / non-parity / 3.3 vo 1 socket for one JEDEC	768 with 65,5 MB* max It / EDO	) x	WINDOWS NT PRELOAD <sup>16</sup> - Windows NT® Workstation 4.0 - Service Pack 3 • ThinkPad Utilities		
Keyboard / # of keys Keyboard slope Pointing device Palm rest Dimensions	Full size alp/num keys / Large palm rest / keybo TrackPoint® / Press-to-S Integrated palm rest / ext 11.7" x 8.7" x 1.22" (124	ard remains f elect / Releas ernal keyboa	•	<ul> <li>Online User's Guide</li> <li>Puma IntelliSync 97 (infrared)</li> <li>ConfigSafe</li> <li>Norton AntiVirus (OEM Version)</li> <li>Ergonomics</li> </ul>		
Weight <sup>2</sup> with battery Battery - type / life <sup>10</sup> Charge time - on / off	90U: 4.1 lbs (1.88 kg) Lithium lon / intelligent / 3 2.5 to 3.5 hrs / 1.5 hrs	<i>B0U/B1U: 4</i> 3.0 hours		<ul> <li>IBM Product Registration</li> <li>SystemSoft CardWizard</li> <li>Customization CD-ROM (apps/drivers</li> <li>Product Recovery CD-ROM (with boo diskette)</li> </ul>		
Architecture Docking Station Port replicator PC Card Std slots Serial / parallel ports	Intel 440BX PCIset / Inte PCI 2.1 / 32-bit / 33MHz ISA (audio, diskette, seri None Port Replicator with Adva 2 Type I or 2 Type II or 1 PCMCIA 2.1 compatible One 9 pin; 16550A / one	(EIDE, graphi al, parallel, in nced EtherJe Type III / <b>Car</b> / Texas Instru	))	Easy-Setup is entered by holding F1 when turning on. System does not have non-disruptive battery exchange. Battery can be changed while system is off, in hibernation, or under AC power.		
USB port       One USB port         Other features       Universal AC Adapter; 3 prong (56 watts) with barrel connector / APM-aware BIOS / APM 1.2 / Selectable boot / IBM BIOS         Video in/out       None         MPEG decoder       None (software support for MPEG-1 in Windows 98)         Data/fax modem       S6Kbps <sup>23</sup> PC Card modem / x2 / cellular capable / XJACK / IBM pn 02K4196         Audio support       16-bit audio chip / FM synthesis / CS4237B / SRS 3D audio (if use ext speakers) Internal mono speaker / .5 watt / keyboard volume control / internal microphone Input jack (3.5 mm) / stereo output jack (3.5 mm) / full duplex speakers/mic Infrared ports				akers) phone iic	The optional <b>ThinkPad 560 Port</b> <b>Replicator</b> acts as a wedge which attaches to the back and bottom of the unit and provides a keyboard slope. Following are its connectors: - Release button - Security keyhole - Mouse - Keyboard	
Security Limited warranty <sup>11</sup> Service options <sup>15</sup>	Power-on password / hard disk password / security keyhole on left side / personalization screen at startup <b>1 year</b> - carry-in or ThinkPad EasyServ <sup>TM31</sup> (door-to-door depot repair service) On-site <sup>32</sup> , M-F, 8-5, next bus day (72 cities) / serv up to 5 yrs from purchase date				- External monitor - Parallel - Serial (9 pin) - External diskette drive	
ThinkPad Port Repl EtherJet Feature. F - 10/100 ethernet (Inte - Dual IBM lock slots PC Cards, and Port Connectors: - USB, serial (RS-232 external display, key - Audio in and out (3.5	icator with Advanced eatures include: el 82558, Wake on LAN™) to secure the ThinkPad, Replicator 4, 9 pin), parallel (25 pin), board, mouse 5 mm) 15 pin) - not on system ve connector ard slots: iide by side) 5 compliant (PCI 2.1 / 32-bit)	<ul> <li>6.4GB dis</li> <li>ThinkPad</li> <li>Port Repli</li> <li>ThinkPad</li> <li>56 watt At</li> <li>16MB SO</li> <li>32MB SO</li> <li>64MB SO</li> <li>20X-8X P</li> <li>20X-8X PC C</li> <li>V.90 PC C</li> <li>ThinkPad</li> </ul>	OPTIONS k, 13ms, Ultra DMA/33 02K 560 Port Replicator 46H cator w/ Advanced EtherJet <sup>™</sup> 05K 560 Li-lon Battery Pack 46H C Adapter (barrel; 3 prong) 83H DIMM 3.3v NP EDO 64-bit 01K DIMM 3.3v NP EDO 64-bit 76H ortable CD-ROM 1963 ortable Stereo CD-ROM 1963 ard Modem/Cellular Capable 02K	0518 14209 (4872 14206 16739 (1124 67342 10268 9010 9011 (4196 7393	- Power jack FEATURES Wired for Management 1.1a compliant DMI 2.0 compliant PC 97 compliant ACPI ready (APM enabled) Setup Guide, User's Guide, Windows 98 or NT Manual Plug and Play 1.0a Standby, suspend, safe suspend, and hibernation modes ENERGY STAR compliant Personalized nameplate indention International Warranty Service <sup>14</sup> IBM SystemXtra®. <sup>35</sup> 24 hour / 7 day telephone <sup>30</sup> , bulletin board, fax, electronic, and Internet (www.ibm.com/pc/us) support	

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# IBM ThinkPad<sup>®</sup> 570 - withdrawn

IBM <sup>®</sup> ThinkPad <sup>®</sup>		WINDOWS 98 PRELOAD <sup>16</sup>
Processor Processor features L2 cache Diskette drive CD-ROM DVD-ROM	Intel® Mobile Pentium® II 300PE, 333MHz, or 366MHz <sup>1</sup> / 66MHz system bus No upgrade / processor in Ball Grid Array (BGA) / North and South Bridge core 256KB / onboard (full speed) / sync pipelined burst / write-back / ECC External 3.5" 1.44MB / use externally with std cable or in UltraBase Option: CD-ROM / 24X-10X <sup>5</sup> speed / bootable / removable from UltraBase Option: DVD-ROM / bootable / removable from UltraBase	- Microsoft® Windows® 98
Type - model Processor Display (diagonal) Preload (see side) Disk (removable)	∞ 2644-2AU         ∞ 2644-1AU         ∞ 2644-1BU         2644-3AU         2644-3BU           PII 300PE         PII 333MHz         PII 333MHz         PII 366MHz         PII 366MHz           12.1" TFT         13.3" TFT         13.3" TFT         13.3" TFT         13.3" TFT           Windows 98         Windows 98         NT 4.0         Windows 98         NT 4.0           4.0GB <sup>4</sup> / 13/14ms         6.4GB / 13/14ms         PIU 4000 (2000)         PIU 3000 (2000)	Ergonomics     Intelliquest Registration     RingCentral     Puma Intellisync 97 (on CD)     IBM Global Network Dialer     Netscape Communicator
Avail / withdr date Memory (std / max)	April 1999 / 2AU withdrawn Dec 99; 1AU, 1BU on Mar 2000; 3AU, 3BU on July 0 64MB std / 192MB max SDRAM / non-parity / 66MHz / 3.3v / sockets accessed by removing screw on bas One 144-pin socket / 64MB on planar / 1 socket available	<ul> <li>Norton AntiVirus™ (OEM Version)</li> <li>PC-Doctor</li> <li>Universal Management Agent (on CD)</li> </ul>
Display Display - features	12.1" (307.3mm) TFT color / Active Mat 13.3" (337.8mm) TFT color / Active Mat SVGA / 800x600 / 100 to 1 contrast ratio XGA / 1024x768 / 150 to 1 contrast ratio 16.7 million simultaneous colors / 30ms refresh rate / 150 degree tilt / 125 nits (AC), 70 nits (battery)	Access ThinkPad     Software Selections CD-ROM
Graphics - controller Graphics - features	NeoMagic™ MagicMedia256AV™ (NM2200) / Accelerated Graphics Port 2.5MB / SGRAM (embedded) / 128-bit engine, 256-bit memory interface AGP 1X / no sideband signaling / motion compensation / DDC2B / simultaneous LCD and CRT <sup>26</sup> / multiple-monitor support <sup>26</sup> for Windows 98	<ul> <li>         ♦ Recovery CD-ROM (Windows 98)</li></ul>
Disk Disk controller	Left front / removable via coin screw or 2.5mm Allen wrench / SMART <sup>29</sup> / upgradeab Enhanced IDE / busmaster / PCI 2.1 / South Bridge / PIIX4E DMA Mode 2, Ultra DMA/33, or PIO Mode 4 / supports 2nd disk in opt UltraBase	<ul> <li>ThinkPad Utilities</li> <li>ThinkPad Configuration Program</li> <li>IBM Update Connector</li> </ul>
Keyboard / Fn keys Keyboard slope Pointing device	Full size 85-key keyboard / 10 Fn key functions / integrated palm rest Flat keyboard (does not lift up) / optional Port Replicator adds slope <b>TrackPoint</b> <sup>®</sup> / Press-to-Select / Release-to-Select / dragging / click pace / center click button for scrolling or magnifying glass / suspension top / spare caps	Online User's Guide     Ergonomics     Intelliquest Registration     RingCentral (on CD)
Dimensions <sup>36</sup> Weight <sup>2</sup> Weight w/ UltraBase Case material	2AU: 11.8 x 9.4 x 1.0" Others: 11.8 x 9.4 x 1.1" (122 cubic inches) 2AU: 3.9 lbs (1.78 kg) with battery Others: 4.0 lbs (1.83 kg) with battery with CD-ROM and diskette drives: 2AU: 6.8 lbs (3.07 kg) Others: 6.9 lbs (3.12 k Top: carbon-fiber reinforced plastic; Bottom: glass-fiber reinforced plastic	<ul> <li>Puma Intellisync 97 (on CD)</li> <li>IBM Global Network Dialer (on CD)</li> <li>Netscape Communicator (on CD)</li> <li>ConfigSafe</li> <li>Norton AntiVirus (OEM Version)</li> </ul>
Battery - type Battery - life <sup>10</sup> Charge time - on/off	Lithium Ion / intelligent / remove from base / locked with latch 1xx: 3.3 hrs; 2xx: 3.5 hrs; 3xx: 3.0 hrs / supports 2nd battery in UltraBase 3 to 4 hrs / 2.5 to 3 hrs / no non-disruptive battery exchange	PC-Doctor     Universal Management Agent (on CD)     Access ThinkPad (on CD)
Architecture Port replicator (opt)	Intel 440BX AGPset / Intel 82371EB PIIX4E (EIDE, ISA Bridge, USB) / TI® PCI1450 for CardBus / AGP for graphics / ADM1021 digital thermometer / PCI 2.1 / 32-bit / 33MHz (EIDE, CardBus, modem, audio, USB, ext expansion) PC97338 Super I/O / ISA (diskette, serial, parallel, infrared, ext expansion) UltraBase / the following are supported by attachment to UltraBase or Direct Dock Adapter: ThinkPad Port Repl with Advanced EtherJet and Port Replicator	SystemSoft CardWizard (on CD)     Software Selections CD-ROM     Arecovery CD-ROM (Windows NT)     CD     ULTRABASE OPTION
Docking Station PC Card Std slots USB / serial / paralle Other features	None (UltraBase has two bays) 2 Type I, 2 Type II, or 1 Type III / CardBus 32-bit / PCMCIA 2.1 / Zoomed Video IOne USB / one 9 pin serial; 16550A / one (IEEE P1284-A, EPP, ECP, bidirection Ultraslim 56 watt AC Adapter, barrel, 3 prong / IBM BIOS Setup Utility (hit F1 at bo	ot) • optional DVD drive (hot or warm swap)
Video (TV) out MPEG-2/DVD Data/fax modem Audio support	None Software supported DVD movie playback (via UltraBase and UltraslimBay DVD) 56K <sup>37</sup> / V.90 / 14.4K fax / RJ-11 port / voice-capable / integrated Lucent <sup>®</sup> 1646 / international programmable DAA / Mini PCI Type IIIb CS4280 / PCI / FM synthesis / 16-bit playback and record / CS4297 (AC97) /	<ul> <li>optional LS-120 SuperDisk drive (cold swap only)</li> <li>optional Zip 100MB drive (cold swap)</li> <li>optional HDD adapter; for second disk (cold swap only)</li> </ul>
Jacks (3.5mm) Infrared ports	full duplex / int speaker (bottom) / .5 watt / Fn+PgUp and PgDn (volume) / int mic Microphone jack (stereo) / headphone jack (stereo) / line-in jack (stereo) Infrared port (on right) / IrDA 1.1 compatible / up to 4Mbps	<ul> <li>standard diskette drive (hot swap)</li> <li>battery (uses standard 570 battery)</li> </ul>
Security Limited warranty <sup>11</sup>	Power-on password / hard disk password / supervisor passwrd / security keyhole Phillips-head screw on base for memory / optional Allen screw for disk <b>3 year</b> - carry-in or ThinkPad EasyServ <sup>TM31</sup> Rapid Depot Repair (3 business day	<ul> <li>Other features</li> <li>stereo speakers (0.5 watts)</li> <li>security keyhole, UltraBase lock</li> </ul>
Service options <sup>15</sup>	average turnaround) On-site <sup>32</sup> , M-F, 8-5, next bus day (72 cities) / serv up to 5 yrs from purchase date	<ul> <li>MIDI/joystick port, line out, USB port</li> </ul>
** Virtual screen m All models: - C: drive is FAT16	3.3v NP SDRAM         20L0241         - 6.4GB disk, 13ms, Ultra DMA/33         02K051           3.3v NP SDRAM         01K1150         - 10.0GB disk, 12ms, Ultra DMA/33         36L929 <u>External Monitor</u> - 10.0GB disk, 12ms, ATA-66         05K920 <u>60Hz 70Hz 75Hz 85Hz</u> - 16M 16M         - 16M 16M         - 16M 16M           16M 16M 16M         - 16M 16M         - Port Replicator         - 6K422           16M 16M 16M         - Port Replicator         - 46H422           0de on 12.1" TFT screen         - Ultraslim 56 watt AC Adapter (3 prong)         02K654           0de on both 12.1" and 13.3"         - 24X-10X <sup>5</sup> CD-ROM (UltraslimBay)         05K912           0f 2GB         - 6X-2X <sup>5</sup> DVD Drive (UltraslimBay)         05K912           0f 2GB         - 6X-2X <sup>5</sup> DVD Drive (UltraslimBay)         05K912           0f 2GB         - 6X-2X <sup>5</sup> DVD Drive (UltraslimBay)         05K912           0f 2GB         - 2ip 100MB Drive 570/600(UltraslimBay)         05K912	<ul> <li>9 DMI instrumentation (thermal monitoring)</li> <li>8 ACPI ready (APM enabled)</li> <li>3 Wired for Management 1.1a compliant</li> <li>9 Wired for Management 1.1a compliant</li> <li>9 Wake on LAN® support<sup>28</sup></li> <li>3 Setup Guide, User's Reference, Quick Reference and Service Info Card, Options catalog, Windows manual</li> <li>9 Plug and Play 1.0a</li> <li>9 Standby, suspend, safe suspend, and hibernation modes</li> <li>6 ENERGY STAR compliant</li> <li>9 Personalized Web-based support</li> <li>1 International Warranty Service<sup>14</sup></li> <li>9 IBM SystemXtra®<sup>35</sup></li> <li>9 24 hour / 7 day<sup>30</sup> telephone, bulletin board, fax, electronic, and Internet</li> </ul>

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## IBM ThinkPad<sup>®</sup> 570E - withdrawn

-					WINDOWS 98 PRELOAD <sup>16</sup>
Processor Processor features L2 cache Diskette drive CD-ROM DVD-ROM	Intel® Mobile Pentium® I No upgrade / processor in 256KB / onboard (at prov External 3.5" 1.44MB / use Option: CD-ROM / 24X-1 Option: 6X-2X <sup>5</sup> DVD-RO	n Ball Grid Arra cessor speed) e externally with I 0X <sup>5</sup> speed / bo	- Microsoft <sup>®</sup> Windows <sup>®</sup> 98 Second Ed		
Type - model Processor Preload (see side) Disk (removable) Avail / withdrawn date	Pentium III 450 Pen	ns write / ATA-6	<ul> <li>RingCentral Fax</li> <li>ConfigSafe<sup>®</sup></li> <li>Norton AntiVirus<sup>™</sup> (OEM Version)</li> <li>PC-Doctor</li> <li>Universal Mgmt Services (web)</li> <li>Norton Mobile Essentials</li> </ul>		
Memory (std / max)	64MB std / 320MB max SDRAM / non-parity / 100 One 144-pin socket / 64M	MHz / 3.3v / so /B on planar /			
Display Display - features	<b>13.3</b> " (337.8mm) <b>TFT cold</b> <b>XGA / 1024x768</b> / 150 to 16.7 million simultaneous 125 nits (AC), 70 nits (bat	1 contrast ratio colors / 30ms i		gree tilt /	<ul> <li>Clotus® SmartSuite® Millennium CD</li> <li>Recovery CD-ROM (Windows 98)</li> <li>Recovery CD-ROM (Windows 95)<sup>40</sup></li> </ul>
Graphics - controller Graphics - features	NeoMagic™ MagicMedia 2.5MB / SGRAM (embedd AGP 1X / no sideband sig simultaneous LCD and C	256AV™ (NM2 ded) / 128-bit e naling / motior	ngine, 256-bit memo n compensation / D	ry interface DC2B /	<ul> <li>WINDOWS 2000 PRELOAD<sup>16</sup></li> <li>Windows 2000<sup>®</sup> Professional</li> <li>ThinkPad Utilities</li> <li>Online User's Guide</li> </ul>
Disk Disk controller	Left front / removable via c Enhanced IDE / busmaste DMA Mode 2, Ultra DMA/	coin screw or 2. er / PCI 2.1 / Sc	5mm Allen wrench / S outh Bridge / PIIX4M	MART <sup>29</sup> / upgradeab /	<ul> <li>PC-Doctor</li> <li>RingCentral Fax</li> </ul>
Keyboard / Fn keys Keyboard slope Pointing device	Full size 85-key keyboard Flat keyboard (does not lin <b>TrackPoint</b> <sup>®</sup> / Press-to-Se center click button for scre	ft up) / optional elect / Release	Port Replicator adds to-Select / dragging-	s slope / click pace /	Netscape Communicator     Universal Mgmt Services (web)     ConfigSafe     IBM Update Connector     Norton AntiVirus (OEM version)
Dimensions <sup>36</sup> Weight <sup>2</sup> Weight Case material	11.8 x 9.4 x 1.1" (122 cub 3.97 lbs (1.80 kg) with bat with optional UltraBase C <i>Top:</i> carbon-fiber reinforce	ttery D-ROM and dis	<ul> <li>♦ Norion Antividus (OLIM Version)</li> <li>♦ Software Selections CD-ROM</li> <li>♦ Lotus SmartSuite Millennium CD</li> <li>♦ Recovery CD-ROM (Windows 2000)</li> <li>♦ Recovery CD-ROM (Windows NT)<sup>40</sup></li> </ul>		
	Lithium Ion / intelligent / re 3.0 hrs / supports 2nd batt 3 to 4 hrs / 2.5 to 3 hrs / n	tery in UltraBas o non-disruptiv			
Architecture Port replicator (opt) Docking Station	Intel 440BX AGPset / Int TI® PCI1450 for CardBus PCI 2.1 / 32-bit / 33MHz ( PC97338 Super I/O / ISA UltraBase / the following a Adapter: ThinkPad Port Re None (UltraBase has two	/ AGP for grap (EIDE, CardBu (diskette, seria are supported b epl with Advanc bays)	ULTRABASE OPTION Left bay of UltraBase supports most UltraslimBay options:		
Other features	2 Type I, 2 Type II, or 1 Ty One USB / one 9 pin serial Ultraslim 56 watt AC Adap	; 16550A / one	swap only)		
Video (TV) out MPEG-2/DVD Data/fax modem Audio support	None Software supported DVD 56K <sup>22</sup> / V.90 / 14.4K fax / international programmab CS4280 / PCI / FM synthe	RJ-11 port / vo le DAA / Mini F	<ul> <li>optional Zip 100MB drive (cold swap)</li> <li>optional HDD adapter; for second disk (cold swap only)</li> <li>optional ThinkPad Proven<sup>™</sup> solutions<sup>12</sup> UltraBase right bay supports:</li> </ul>		
Jacks (3.5mm) Infrared ports	full duplex / int speaker (b Microphone jack (stereo) / Infrared port (on right) / Irl	ottom) / .5 watt headphone jac	standard diskette drive (hot swap)     battery (uses standard 570 battery)     Other features		
Security	Power-on password / hard Phillips-head screw on ba		<ul> <li>security keyhole, UltraBase lock</li> </ul>		
Limited warranty <sup>11</sup> Service options <sup>15</sup>	<b>3 year</b> - carry-in or ThinkF average turnaround) On-site <sup>32</sup> , M-F, 8-5, next b				
- 6.0GB disk, 12ms, - 12.0GB disk, 12ms, - 18.0GB disk (Ultra	s, ATA-66 05K9200 Base only) 37L2993	) - 64MB S0 3 - 128MB S	D DIMM 100MHz NP D DIMM 100MHz NP O DIMM 100MHzNF O DIMM 100MHzNF	SDRAM 20L025 SDRAM 20L025	4 ACPI ready (APM enabled) 5 Wired for Management 1.1a compliant
	of 2GB of remaining space	<ul> <li>ThinkPa</li> <li>Direct Do</li> <li>Port Rep</li> <li>Port Rep</li> <li>Ultraslim</li> <li>Ultraslim</li> <li>SuperDis</li> <li>24X-10X</li> <li>6X-2X<sup>5</sup> D</li> <li>Zip 100M</li> <li>ThinkPac</li> <li>ThinkPac</li> </ul>	<ol> <li>Setup Guide, User's Reference, Quick Reference and Service Info Card, Options catalog, Windows manual</li> <li>Plug and Play 1.0a</li> <li>Standby, suspend, safe suspend, and hibernation modes</li> <li>ENERGY STAR compliant</li> <li>Personalized Web-based support</li> <li>International Warranty Service<sup>14</sup></li> </ol>		

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# IEM ThinkPad<sup>®</sup> 600 - withdrawn

IBM <sup>®</sup> ThinkPad <sup>®</sup>							(UltraslimBay) has LED on	
Processor type/path Processor features L2 cache Diskette (removable) External FDD port CD-ROM (removble) DVD <sup>19</sup> (removable) SuperDisk (LS-120)	No upgrade / pro 512KB / sync pip 3.5" 1.44MB / use External diskette	ocessor, L2 cach belined burst (66 in UltraslimBay (C e port on right sid on: <b>5.25" CD-R</b> PIO Mode 4 for V D-ROM drive / rei	<ul> <li>warm swappir</li> <li>std diskette</li> <li>std or option</li> <li>optional DV</li> <li>opt LS-120 S</li> <li>optional Zip</li> <li>optional HD</li> </ul>	and travel cover nal CD-ROM				
Type - model Processor Display (diagonal) Disk (removable) Preload (see side) CD-ROM Modem Avail / withdr date	13.0" HPA XGA 3.2GB <sup>4</sup> / PIO4 W95 OSR2.1 CD-ROM std 56Kbps	<ul> <li>≫ 2645-31U</li> <li>Pent 233/66</li> <li>12.1 TFT SVGA</li> <li>3.2GB / PIO4</li> <li>W95 OSR2.1</li> <li>Optional</li> <li>Opt PC Card</li> <li>Apr 98/Dec 98</li> </ul>	→ 2645-A1U PII 266/66MHz 13.3"TFT XGA None (AAP) Blank (no disk) None (AAP) 56Kbps Apr 98/Aug 98					
Memory - std / max Memory - upgrade	32MB / 256MB <sup>3</sup> SDRAM / non-pa SDRAM SO-DIM	àrity / 66MHz / 3.		ailable for two Jl		WINDOWS 95 PRELOAD <sup>16</sup> - Microsoft® Windows® 95 OSR2.1		
Display	(See below) SVC	GA or XGA color	/TFT or HPA / 18	30 degree tilt		<ul> <li>Internet Exp</li> <li>Online Use</li> </ul>		
Graphics - controller Graphics - arch Graphics - features Graphics - external Disk	2MB / iDRAM™ ( Support for Direc External SVGA to Left front / remov	embedded) / Zo ctX 5.0, DDC2B, o 1024x768 with able via coin scro	omèd Video súpj color space conv 65,536 colors (80 ew or 2.5mm Alle	oort version 00x600 with 16.7 n wrench / SMAF	million colors)	<ul> <li>ThinkPad C</li> <li>ThinkPad C</li> <li>Puma Intell</li> <li>IBM AntiVir</li> <li>ConfigSafe</li> </ul>	Configuration Program Customization Center iSync 97 (infrared) us 3.02 (not installed) 1.05 (must install) Network Dialer 4.15.6 with	
Disk controller	Enhanced IDE / I DMA Mode 2, Ult Full size alp/num	tra DMA/33, or P	IO Mode 4 / supp	orts 2nd disk in o	pt HDD adapter	Netscape N     Intel LAND	lavigator web browser esk® Client Manager 3.1	
Keyboard / Fn keys Keyboard slope Pointing device	Flat keyboard (do TrackPoint® / Pr center click butto	oes not lift up) ess-to-Select / R	elease-to-Select	/ dragging / click		<ul> <li>Ergonomics</li> <li>Netfinity 5.1</li> </ul>	vith ThinkPad channel	
Dimensions <sup>36</sup> Weight <sup>2</sup>	Approximately 1 4.72 lb (2.14 kg)	to 5.62 lb (2.55 k	m x 36.5mm	<ul> <li>installed)</li> <li>Tivoli Light installed)</li> </ul>	Client Framework (not			
Battery - type Battery - life <sup>10</sup> Charge time - on / off	Lithium Ion / intel 3.0 hrs / no non-c f 2 to 3 hrs / 1.5 to	lisruptive battery	<ul> <li>Lotus<sup>®</sup> Śma</li> </ul>	RingCentral 4.10				
Architecture Port replicator	Intel 430TX, PII PCI 2.1 / 32-bit / TI PCI1250A for ISA (audio, mode SelectaBase 60	33MHz (EIDE, g CardBus / LM75 em, diskette, ser	<ul> <li>♦ Customizat</li> <li>♦ Recovery C</li> </ul>	e Connector st Registration tion CD-ROM (apps/drivers) CD-ROM with boot diskette				
Docking Station PC Card Std slots USB / serial / paralle Other features	SelectaDock III 2 Type I, 2 Type	/ SelectaDock I a II, or 1 Type III / 0 pin serial; 16550	System does battery excha changed whil	not have non-disruptive ange. Battery can be le system is off, in				
Video in/out MPEG decoder Data/fax modem	None None (software s Some models: 5	support for MPE	ThinkPad 600	or under AC power. supported disks: 3ms read/14ms write				
Audio support		Mwave <sup>®</sup> 3780i C t / <b>SRS 3D audic</b>	9.5 mm Pl - 4.0GB 13	IO Mode 4 or Ultra DMA/33 3ms read/14ms write IO Mode 4 or Ultra DMA/33				
Jacks Infrared ports	Input jack (3.5 mr Infrared port (on	m) / Output jack (; right) / IrDA 1.1 c	-6.4GB 13 12.5 mm P	3ms read/14ms write NO Mode 4 or Ultra DMA/33				
Security	Power-on passw personalization /		PC 97 compl	FEATURES iant				
Limited warranty <sup>11</sup> Service options <sup>15</sup>	3 year - carry-in o average turnarous On-site <sup>32</sup> , M-F, 8	nd)	DMI 2.0 com	bliant ntation (thermal monitoring)				
13.0" (330.2 mm) H - High Performance - 640x480 (16 millio or 1024x768 (65,5 - 150ms; 40 to 1 co - 70 nits (AC), 40 ni 12.1" (307.5 mm) T - Active Matrix TFT - 640x480 (16 millio simultaneous colo - 75ms; 100 to 1 co - 100 nits (AC), 70 13.3" (337.8 mm) T - Active Matrix TFT - 640x480 (16 millio or 1024x768 (65,5 - 75ms; 100 to 1 co - 150 nits (AC), 90	e Addressing (Dua n), 800x600 (16 m 36 simultaneous c intrast ratio <b>FT SVGA color</b> on) or 800x600 (16 rs) intrast ratio nits (battery) <b>FT XGA color</b> n), 800x600 (16 m 36 simultaneous c intrast ratio	al Scan) - 100 illion), - Sel solors) - PC - Sel - Sel	<b>1B SO DIMM 3.3v</b> <b>1B SO DIMM 3.3v</b> <b>1B SO DIMM 3.3v</b> nkPad 600 Li-Ion	Itra DMA/33 h EtherJet <sup>™17</sup> (barrel; 3 prong) UltraslimBay; diskette enclosu NP SDRAM NP SDRAM Battery dapter (for 2nd di JltraslimBay)	<b>76H0293</b> <b>76H0294</b> <b>76H0295</b> 12J2464	Wired for Ma Wake on LAN C: is 1.99GB, Setup Guide, Reference Card, Optic Windows 9 Plug and Play Standby, susp hibernation ENERGY ST/ International V IBM System 24 hour / 7 da board, fax,	nagement 1.1a W <sup>™</sup> support <sup>28</sup> D: is up to 1.99GB, etc. User's Reference, Quick and Service Information ons by IBM Catalog, 5 manual 1.0a bend, safe suspend, and imodes AR compliant Warranty Service <sup>14</sup>	
All trademarks are the	proporty of their r	ocnoctivo ownoro			No worro	ntion are express	sed or implied in this summary	

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# IB派 ThinkPad<sup>®</sup> 600 - September 1998 - withdrawn

IBM <sup>®</sup> ThinkPad <sup>®</sup>		
Processor features L2 cache Diskette (removable) External FDD port CD-ROM (removble) DVD <sup>19</sup> (removable)	Intel® Mobile Pentium® II 300MHz <sup>1</sup> / 66MHz system bus No upgrade / processor, L2 cache, and mem cntr (North Bridge) on Mobile Mod 512KB / sync pipelined burst / ECC / 150MHz (half speed) 3.5" 1.44MB / use in UltraslimBay / ships in external diskette enclosure with a cabl External diskette port on right side (can use simultaneously with internal CD-R 5.25" CD-ROM / 24X-10X <sup>5</sup> speed / bootable / warm swap EIDE (ATAPI) / PIO Mode 4 for W95; DMA Mode 2 for NT / use in UltraslimBay Option: 2X <sup>5</sup> DVD-ROM drive / removable UltraslimBay option / warm swap	<ul> <li>Microsoft<sup>®</sup> Windows<sup>®</sup> 98</li> <li>Online User's Guide</li> <li>ThinkPad Utilities</li> <li>ThinkPad Configuration Program</li> <li>RingCentral</li> <li>Ergonomics</li> </ul>
SuperDisk (LS-120) Type - model Preload (see side) Disk (removable) Avail / withdr date	Option: Removable UltraslimBay option / supports 1.44MB and 120MB diskette2645-45U2645-85UAll models:Windows 98Windows NT 4.0- C: drive is FAT16 of 2GB5.1GB <sup>4</sup> / 12ms (read);13ms (write) / upgradeableD: drive is FAT32 (if W98) or FAT16 (if NT) of remaining sp	Puma IntelliSync 97 (infrared)     IBM Global Network Dialer     Netscape Navigator web browser     IBM Ubdate Connector
Memory	<b>64MB</b> std / 288MB <sup>25</sup> maximum / <b>SDRAM</b> / non-parity / 66MHz / 3.3v Two 144-pin sockets / 32MB on planar and 1 socket used by 32MB SO-DIMM 1 socket available / sockets accessed by removing screw on bottom	Customization Center CD-ROM
Display	<b>13.3" (337.8mm) TFT color</b> / Active Matrix / XGA / 75ms / 100 to 1 contrast ratio 640x480 or 800x600 (16.7 million colors), 1024x768 (65,536 colors) / 150 nits (AC), 90 nits (battery) / 180 degree tilt	✓ Product Recovery CD-ROM (with boot diskette)
Graphics - arch Graphics - features Graphics - external	NeoMagic <sup>™</sup> MagicGraph128XD <sup>™</sup> (NM2160B) / 128-bit SVGA accelerator 2MB / iDRAM <sup>™</sup> (embedded) / Zoomed Video support Support for DirectX 5.0, DDC2B, color space conversion External SVGA to 1024x768 with 65,536 colors (800x600 with 16.7 million colors	
Disk Disk controller	Left front / removable via coin screw or 2.5mm Allen wrench / SMART / upgradea Enhanced IDE / busmaster / PCI 2.1 / South Bridge / PIIX4 DMA Mode 2, Ultra DMA/33, or PIO Mode 4 / supports 2nd disk inopt HDD adapted and the statement of the stat	• Puma IntelliSync 97 (infrared)     • ConfigSafe
Keyboard / Fn keys Keyboard slope Pointing device	Full size alp/num keys / 9 Fn key functions / integrated palm rest Flat keyboard (does not lift up) / optional Port Replicator adds slope <b>TrackPoint</b> <sup>®</sup> / Press-to-Select / Release-to-Select / dragging / click pace / center click button for scrolling or magnifying glass / suspension top / spare ca	IBM Global Network Dialer     Netscape Navigator web browser     Norton AntiVirus (OEM Version)     Ergonomics     IBM Product Registration
Dimensions <sup>36</sup> Weight <sup>2</sup>	Appoximately 11.8 x 9.4 x 1.4" (155 cubic inches); 300mm x 240mm x 36.5mm 5.01 lbs (2.27 kg) with travel cover and battery only	<ul> <li>SystemSoftCardWizard</li> </ul>
Battery - type Battery - life <sup>10</sup>	Lithium lon / intelligent / remove from base / locked with latch 3.0 hrs / no non-disruptive battery exchange f2 to 3 hrs / 1.5 to 2.5 hrs	<ul> <li>Lotus SmartSuite Millennium CD-ROM</li> <li>Customization CD-ROM (apps/drivers)</li> <li>Product Recovery CD-ROM (with boot diskette)</li> </ul>
	Intel 440BX and PIIX4 (EIDE, ISA Bridge, USB) PCI 2.1 / 32-bit / 33MHz (EIDE, graphics, CardBus, USB, ext expansion) TI PCI1250A for CardBus / LM75 digital thermometer / PC97338 Super I/O / ISA (audio, modem, diskette, serial, parallel, infrared, ext expansion) SelectaBase 600 / PC Card Enabler <sup>17</sup> / PC Card Enabler with Advanced Ether, SelectaDock III / SelectaDock I and II 2 Type I, 2 Type II, or 1 Type III / CardBus 32-bit / PCMCIA 2.1 / Zoomed Video I One USB / one 9 pin serial; 16550A / one (IEEE P1284-A, EPP, ECP, bidirection	System does not have non-disruptive battery exchange. Battery can be hall changed while system is off, in
Other features Video in/out MPEG decoder Data/fax modem Audio support Jacks Infrared ports	APM-aware BIOS / AC Adapter barrel, 3 prong (56 watts) / Selectable boot None None (software support for MPEG-1 in Windows 98) <b>56K</b> (x2, upgradeable to v.90 <sup>9</sup> ) / 14.4Kbps fax / telephony / voice-capable integrated Mwave <sup>®</sup> 3780i DSP / international programmable DAA / modem cab CS4237B / 16-bit / <b>SRS 3D audio</b> / FM synthesis Int stereo speakers (front) / .5 watt / Fn+PgUp and PgDn (volume) / int micropho Input jack (3.5 mm) / Output jack (3.5 mm) / full duplex Infrared port (on right) / IrDA 1.1 compatible / <b>up to 4Mbps</b> Devues on processory	ne 12.5 mm PIO Mode 4 or Ultra DMA/33 5.1GB 12ms read/13ms write 12.5 mm PIO Mode 4 or Ultra DMA/33 6.4GP 12ms read/14ms write
Security	Power-on password / hard disk password / supervisor password / security keylor personalization / phillips-head screw on base for memory / opt Allen screw for di	sk
Limited warranty <sup>11</sup> Service options <sup>15</sup>	3 year - carry-in or ThinkPad EasyServ <sup>™31</sup> Rapid Depot Repair (3 business day average turnaround) On-site <sup>32</sup> , M-F, 8-5, next bus day (72 cities) / service agreements up to 5 years frepurchase date	FEATURES Wired for Management 1.1a OM PC 97 compliant DMI 2.0 compliant
<ul> <li>V.90 PC Card Mc</li> <li>EtherJet PC Card</li> <li>IBM 10/100 Ether</li> <li>UltraslimBay HDE</li> <li>SuperDisk LS-12(</li> <li>2X DVD Drive (UI</li> <li>The right bay (Ultra latch to provide stat</li> <li>std diskette and v</li> <li>std or optional CE</li> <li>optional DVD driv</li> <li>opt LS-120 Supe</li> <li>opt HDD adapter</li> </ul>	dem/Cellular capab       02K4196         odem with XJACK <sup>24</sup> 10L7393         10Cmbo       72H4534         10CardBus PC Cd       08L3147         2 adapter (for 2nd disk) 05K5336       - PC Card Enabler with EtherJet™17         0 dutraslimBay)       20L1929         traslimBay)       05K8890         slimBay) has LED on release       - SelectaDock II         tvs; supports warm swapping:       - SelectaDock III17         0-ROM       - 24X-10X CD-ROM (UltraslimBay;         0-ROM       - 100B SO DIMM 3.3 v NP SDRAM         76H0       - 64MB SO DIMM 3.3 v NP SDRAM	<ul> <li>518 DMI instrumentation (thermal monitoring)</li> <li>ACPI ready (APM enabled)</li> <li>Wake on LAN® support<sup>28</sup></li> <li>(1 C: is 1.99GB, D: is up to 1.99GB, etc.</li> <li>Setup Guide, User's Reference, Quick Reference and Service Information Card, Options by IBM Catalog,</li> <li>Windows 98 or NT manual</li> <li>Plug and Play 1.0a</li> <li>Standby, suspend, safe suspend, and hibernation modes</li> <li>ENERGY STAR compliant</li> <li>International Warranty Service<sup>14</sup></li> <li>IBM SystemXtra®<sup>35</sup></li> <li>24 hour / 7 day telephone<sup>30</sup>, bulletin board, fax, electronic, and Internet (www.ibm.com/pc/us) support</li> </ul>

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# IBM ThinkPad<sup>®</sup> 600E - withdrawn

IBM <sup>®</sup> ThinkPad <sup>®</sup>							
External FDD port	No upgrade / processor, L2 <b>512KB</b> / sync pipelined bu ) 3.5" 1.44MB / use in Ultrasii External diskette port on ri ) <i>Option:</i> <b>CD-ROM / 24X-10</b> EIDE (ATAPI) / PIO Mode <i>Std or option:</i> 2X <sup>5</sup> DVD-R0	300MHz <sup>1</sup> / 66MHz system bus 2 cache, and mem cntr (North Bridge) on rst / ECC / 150MHz (half speed) mBay™ / ships in external diskette enclosu ght side (can use simultaneously with inte X <sup>5</sup> speed / bootable / warm swap 4 for W95; DMA Mode 2 for NT / use in L DM / removable from UltraslimBay / warn imBay option / supports 1.44MB and 120N	ire with a cable ernal DVD) JItraslimBay n swap	WINDOWS 98 PRELOAD <sup>16</sup> - Microsoft <sup>®</sup> Windows <sup>®</sup> 98 - ThinkPad Utilities - Online User's Guide - ThinkPad Configuration Program - Ergonomics - IBM Registration - RingCentral Fax - Puma IntelliSync 97 (infrared)			
Type - model Preload (see side) Disk (removable) DVD-ROM drive Avail / withdr date	2645-55U Windows 98 6.4GB <sup>4</sup> / 13/14ms DVD-ROM Nov 1998 / Mar 1999	2645-A5U (AAP)All models:Blank (no disk)- C: drive is FAT1None- D: drive is FAT3NonespaceNov 1998 / Mar 1999		<ul> <li>IBM Global Network Dialer</li> <li>Netscape Navigator web browser</li> <li>ThinkPad on the Net (TCC CD)</li> <li>ConfigSafe</li> <li>Norton AntiVirus (OEM Version)</li> </ul>			
Memory	Two 144-pin sockets / 32M	32MB std / 288MB max Hz / 3.3v / sockets accessed by removing B on planar / 1 or 2 sockets available / et used by 32MB SO-DIMM	g screw on base	Mediamatics DVD Express			
Display	13.3" (337.8mm) TFT colo	/ Active Matrix / XGA / 75ms / 100 to 1 cc 4x768 (up to 16.7 million colors)	ontrast ratio/	♦ Recovery CD-ROM (with boot diskette)			
Graphics - controller	NeoMagic <sup>™</sup> MagicMedia	56AV™ (NM2200) / Accelerated Graph ed) / 128-bit engine, 256-bit memory inte	ics Port				
Graphics - features	Motion compensation / c Multiple-monitor support <sup>26</sup> f	olor space conversion / interpolation in X or Windows 98 / DDC2B / Direct3D	and Y axis				
Graphics - external Disk		3x16.7 million colors at 85Hz and 1280x10 in screw or 2.5mm Allen wrench / SMAR		The right bay (UltraslimBay) has LED on release latch to provide status; supports			
Disk controller	Enhanced IDE / busmaster DMA Mode 2, Ultra DMA/3	/ PCI 2.1 / South Bridge / PIIX4E 3, or PIO Mode 4 / supports 2nd disk in op	10	warm swapping: • std diskette and travel cover • std or optional CD-ROM			
Keyboard / Fn keys Keyboard slope Pointing device	Flat keyboard (does not lift TrackPoint® / Press-to-Se	Fn key functions / integrated palm rest up) / optional Port Replicator adds slope ect / Release-to-Select / dragging / click p ing or magnifying glass / suspension top /		<ul> <li>optional DVD drive<sup>19</sup></li> <li>optional UltraslimBay battery (cold swap only; 600E only)</li> <li>optional LS-120 SuperDisk drive (cold</li> </ul>			
Dimensions36 Weight <sup>2</sup>	Approximately 11.8 x 9.4 x 4.99 lbs (2.27 kg) with trave	1.4" (155 cubic inches); 300mm x 240mm I cover and battery only	x 36.5mm	swap only) • optional Zip 100MB drive (cold swap)			
Battery - type Battery - life <sup>10</sup> Charge time - on / of		nove from base / locked with latch attery exchange / supports 2nd battery in l	JltraslimBay	<ul> <li>optional HDD adapter; for second disk (cold swap only)</li> <li>optional ThinkPad Proven<sup>™</sup> solutions<sup>12</sup></li> </ul>			
Architecture Port replicator Docking Station PC Card Std slots USB / serial / paralle Other features	TI® PCI1251 for CardBus / PCI 2.1 / 32-bit / 33MHz (E PC97338 Super I/O / ISA ( SelectaBase 600 / PC Ca SelectaDock III / SelectaL 2 Type I, 2 Type II, or 1 Typ I One USB / one 9 pin serial;	I 82371EB <b>PIIX4E</b> (EIDE, ISA Bridge, US AGP for graphics / LM75 digital thermom IDE, CardBus, audio, USB, ext expansic audio, modem, diskette, serial, parallel, inf d Enabler <sup>17</sup> / PC Card Enabler with Advar lock I and II e III / CardBus 32-bit / PCMCIA 2.1 / Zooi 16550A / one (IEEE P1284-A, EPP, ECP pter barrel, 3 prong (56 watts) / Selectable	neter on) irared, ext exp) nced EtherJet <sup>17</sup> med Video i, bidirectional)	System does not have non-disruptive battery exchange. Battery can be changed while system is off, in hibernation, or under AC power. ThinkPad 600 supported disks: - 3.2GB 13ms read/14ms write 9.5 mm PIO Mode 4 or Ultra DMA/33			
Video out MPEG decoder Data/fax modem	None (W98 support for MP 56K / v.90 <sup>22</sup> / 14.4Kbps fax	le ships standard with RCA jack / Chronte EG-2 because 300MHz with motion com / telephony / voice-capable /	pensation)	-4.0GB         13ms read/14ms write           12.5 mm         PIO Mode 4 or Ultra DMA/33           -5.1GB         12ms read/13ms write			
Audio support	CS4239: ISA / SRS 3D au CS4610: PCI / decodes AC	SP / international programmable DAA / m lio / FM synthesis / 16-bit playback and re 3 into stereo / MPEG-2 audio decoding / a	cord ccel of DirectX	12.5 mm PIO Mode 4 or Ultra DMA/33 - 6.4GB 13ms read/14ms write 12.5 mm PIO Mode 4 or Ultra DMA/33			
Jacks Infrared ports	Input jack (3.5 mm) / Output	.5 watt / Fn+PgUp and PgDn (volume) / ir jack (3.5 mm) / full duplex \ 1.1 compatible / up to 4Mbps	nt microphone	FEATURES			
Security	Power-on password / hard personalization / phillips-he	disk password / supervisor password / se ad screw on base for memory / opt Allen	curity keyhole / screw for disk	PC 97 compliant DMI 2.0 compliant			
Limited warranty <sup>11</sup>	· · · ·	d EasyServ <sup>™31</sup> Rapid Depot Repair (3 bu		DMI instrumentation (thermal monitoring) ACPI ready (APM enabled)			
Service options <sup>15</sup>	On-site <sup>32</sup> , M-F, 8-5, next bu	s day (72 cities) / serv up to 5 yrs from pu	rchase date	Wired for Management 1.1a Wake on LAN™ support <sup>28</sup>			
<ul> <li>UltraslimBay HDD</li> <li>SuperDisk LS-120</li> <li>2X DVD Drive (Ult</li> <li>Zip 100MB Ultrasl</li> <li>UltraslimBay Batte</li> <li>ThinkPad 600 Li-le</li> <li>External Battery C</li> <li>ThinkPad Proven</li> </ul>	dem/Cellular capab 02K4 dem with XJACK <sup>24</sup> 10L73 CardBus with 56K 08L3 Uet CardBus PC Cd 08L3 D adapter (for 2nd disk) 05K5 D (UltraslimBay) 05K8 imBay Drive 37L11 ery (600E only) 02K6 on Battery 12J22 charger 02K6 ™ solutions <sup>12</sup> (visit	<ul> <li>47 - SelectaDock I</li> <li>336 - SelectaDock II</li> <li>29 - SelectaDock III<sup>17</sup></li> <li>390 - 56 watt AC Adapter (barrel; 3 prong 04 - 24X-10X CD-ROM (UltraslimBay; includes external diskette enclo</li> <li>4 - 32MB SO DIMM 3.3v NP SDRAM</li> </ul>	12J2471	Setup Guide, User's Reference, Quick Reference and Service Information Card, Options by IBM Catalog, Windows 98 manual Plug and Play 1.0a Standby, suspend, safe suspend, and hibernation modes ENERGY STAR compliant International Warranty Service <sup>14</sup> <b>IBM SystemXtra</b> <sup>™35</sup> 24 hour / 7 day telephone <sup>30</sup> , bulletin board, fax, electronic, and Internet (www.ibm.com/pc/us) support			
www.ibm.com/pc/	/us/thinkpad/proven)						

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# IB純 ThinkPad® 600E (1999) - withdrawn

IBM <sup>®</sup> ThinkPad <sup>®</sup>								
Processor Processor features L2 cache Diskette (removable) External FDD port CD-ROM (removable) DVD (removable)	External diskette po	ssor, L2 cache, a full speed) / sync UltraslimBay™ / s ort on right side (o ROM / 24X-10X <sup>5</sup> s	<ul><li>Ergonomics</li><li>IBM Registration</li></ul>					
Type - model Processor Preload (see side) CD or DVD-ROM Disk (removable)	PII 300PEMHz Windows 98 CD-ROM 4.0GB <sup>4</sup> /13/14ms PIO4 or Ultra DMA	12.5 mm / PIO M		DVD-ROM	2645-AAU PII 366MHz Blank (no disk) Optional None N/A	<ul> <li>RingCentral</li> <li>Puma IntelliSync 97 (infrared)</li> <li>IBM Global Network Dialer</li> <li>Netscape Communicator</li> <li>Lotus SmartSuite Millennium<sup>20</sup></li> <li>Universal Management Agent</li> <li>ThinkPad on the Net</li> </ul>		
Avail / withdraw date Memory (std / max)	32MB / 288MB 32MB / 288MB SDRAM / non-parit Two 144-pin socke for 64MB model, or	<b>64MB</b> std / 288M y / 66MHz / 3.3v ts / 32MB on plar	/ sockets acces har / 1 or 2 sock	sed by removin ets available /	Mar 99 / Feb 00 32MB / 288MB g screw on base	<ul> <li>ConfigSafe<sup>®</sup></li> <li>Norton AntiVirus (OEM Version)</li> </ul>		
Display	<b>13.3</b> " (337.8mm) <b>TI</b> 640x480, 800x600 150 nits (AC), 90 nit	T color / Active N or 1024x768 (up	Atrix / XGA / 75 to 16.7 million c	5ms / 100 to 1 c	ontrast ratio/	<ul> <li>A Software Selections CD-ROM</li> <li>♦ Recovery CD-ROM (Windows 98)</li> <li>♦ Recovery CD-ROM (Windows 95)<sup>7</sup></li> </ul>		
Graphics - controller Graphics - features Graphics - external	NeoMagic™ Magic 2.5MB / SGRAM (¢ Motion compensa Multiple-monitor su External SVGA to	mbedded) / 128- tion / color space pport <sup>26</sup> for Windo	bit engine, 256- e conversion / ir ws 98 / simultar	bit memory interpolation in X neous LCD and	erface / AGP 1X ( and Y axis I CRT <sup>26</sup> / DDC2B	<ul> <li>Microsoft Windows NT<sup>®</sup> 4.0</li> <li>Service Pack 4a</li> <li>ThinkPad Utilities</li> </ul>		
Disk Disk controller	Left front / removabl Enhanced IDE / bus DMA Mode 2, Ultra	smaster / PCI 2.1	/ South Bridge /	PIIX4E		<ul> <li>Online User's Guide</li> <li>ThinkPad Configuration Program</li> <li>Ergonomics</li> <li>IBM Registration</li> </ul>		
Keyboard / Fn keys Keyboard slope Pointing device	Full size alp/num ke Flat keyboard (does <b>TrackPoint®</b> / Pres center click button f	s not lift up) / optio s-to-Select / Rele	nal Port Replica ase-to-Select / c	tor adds slope dragging / click		<ul> <li>IBM Hegistration</li> <li>Puma IntelliSync 97 (infrared)</li> <li>IBM Global Network Dialer</li> <li>Netscape Communicator</li> <li>Lotus SmartSuite Millennium<sup>20</sup></li> </ul>		
Dimensions <sup>36</sup> Weight <sup>2</sup>	Approximately 11.8 4.99 lbs (2.26 kg) w			00mm x 240mn	n x 36.5mm	<ul> <li>Universal Management Agent</li> <li>ConfigSafe</li> </ul>		
Battery - type Battery - life <sup>10</sup> Charge time - on / of	Lithium lon / intellig 3.0 hrs / no non-disr f 2 to 3 hrs / 1.5 to 2.	uptive battery exc			UltraslimBay	<ul> <li>Norton AntiVirus (OEM Version)</li> <li>IBM Update Connector</li> <li>Access ThinkPad</li> <li>SystemSoft CardWizard</li> </ul>		
Architecture Port replicator Docking Station PC Card Std slots USB / serial / paralle Other features	Intel 440BX AGPs TI® PCI1251 for Ca PCI 2.1 / 32-bit / 33 PC97338 Super I/O SelectaBase 600 / SelectaDock III <sup>17</sup> / 2 Type I, 2 Type II, I One USB / one 9 pi APM-aware BIOS /	rdBus / AGP for g MHz (EIDE, Card ) / ISA (audio, mo PC Card Enable SelectaDock I ar or 1 Type III / Car n serial; 16550A /	neter on) (frared, ext exp) (nced EtherJet <sup>17</sup> ormed Video P, bidirectional)	<ul> <li>♦ Software Selections CD-ROM</li> <li>♦ Recovery CD-ROM (Windows NT)</li> <li>The right bay (UltraslimBay) has LED or release latch to provide status; supports warm swapping:</li> <li>tid diskette and travel cover</li> <li>tid or optional CD-ROM</li> <li>tid or optional DVD drive<sup>19</sup></li> </ul>				
Video (TV) out MPEG decoder Data/fax modem Audio support Jacks Infrared ports	5AU: Video out (con None (W98 suppor 56K <sup>22</sup> / V.90 / 14.4I integrated Mwave® CS4239: ISA / SRS CS4610: PCI / decc Int stereo speakers Input jack (3.5 mm) Infrared port (on rig	nposite) / cable s t for MPEG-2 be Kbps fax / telepho 3780i DSP / interr 3 D audio / FM sy des AC3 into ster (front) / .5 watt / F / Output jack (3.5	hips standard w cause 300MHz ony / voice-capa national progran rnthesis / 16-bit eo / MPEG-2 au n+PgUp and Pg mm) / full duplex	ith RCA jack / C with motion c able / nmable DAA / r playback and r dio decoding / a gDn (volume) / i c	Chrontel CH7004 compensation) nodem cable ecord accel of DirectX	antional Illtradim Day battan (add		
Security	Power-on password personalization / ph	/ hard disk pass	word / superviso	or password / se	ecurity keyhole / screw for disk	PC 97 compliant DMI 2.0 compliant		
Limited warranty <sup>11</sup> Service options <sup>15</sup>	<b>3 year</b> - carry-in or average turnaround On-site <sup>32</sup> , M-F, 8-5,	ThinkPad EasySe	erv <sup>™31</sup> Rapid De	pot Repair (3 bi	usiness day	DMI instrumentation (thermal monitoring) ACPI ready (APM enabled) Wired for Management 1.1a Wake on LAN <sup>®</sup> support <sup>28</sup>		
Color depth         LCD           Resolution         TFT           640x480         16M           800x600         16M           1024x768         16M           1280x1024            All models:         -           - C: drive is FAT16	CardBus with 56K Jet CardBus PC Car External Monit 60Hz 70Hz 75Hz 16M 16M 16M 16M 16M 16M 16M 256 64K	-         100           08L3167         -         Sel           d 08L3147         -         PC           sor         -         Sel           sor         -         Ultr           16M         32N           16M         64K           64K         -           64K         -           -         Sutr           -         Sutr	Card Enabler w ectaDock III <sup>17</sup> aslim 56 watt Ak (-10X <sup>5</sup> CD-ROM ocludes externa AB SO DIMM 3. AB SO DIMM 3. AB SO DIMM 3. aslimBay HDD oerDisk LS-120 DVD Drive (UII 2X <sup>5</sup> DVD Drive	Jitra DMA/33 rith EtherJet <sup>17</sup> C Adapter (3 pro- I (UltraslimBay; I diskette enclo 3v NP SDRAM 3v NP SDRAM 3.3v NP SDRAM adapter (for 2no (UltraslimBay) raslimBay) (UltraslimBay)	12J2471 psure) 76H0294 20L0241 1 01K1150	Setup Guide, User's Reference, Quick Reference and Service Information Card, Options by IBM Catalog, Windows 98 manual Plug and Play 1.0a Standby, suspend, safe suspend, and hibernation modes ENERGY STAR compliant Asset ID <sup>™</sup> wireless RF technology (available only as an AAP option on the 600E model AAU; Atmel® AT24RF08 EEPROM)) International Warranty Service <sup>14</sup> IBM SystemXtra® <sup>35</sup>		
of remaining space	5	- Ultr	aslimBay Batte	ry (600E only)	02K6504	(www.ibm.com/pc/us)support		

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# IB派 ThinkPad<sup>®</sup> 600E (400MHz) - withdrawn

IBM <sup>®</sup> ThinkPad <sup>®</sup>		
Processor Processor features L2 cache Diskette (removable) External FDD port CD-ROM (removble) DVD (removable)	Std or option: DVD-ROM / bootable / removable from UltraslimBay	<ul> <li>ThinkPad Utilities</li> <li>Online User's Guide</li> <li>ThinkPad Configuration Program</li> <li>Ergonomics</li> <li>IBM Registration</li> </ul>
	2645-4BU       2645-5BU       2645-8BU       2645-8BU       2645-8AU (AAI         Pentium II 400MHz       Pentium II 400MHz       Pentium II 400MHz       Pentium II 400I         Windows 98       Windows NT       Blank (no disk)         CD-ROM       DVD       CD-ROM       Optional         10.0GB <sup>4</sup> / 12ms seek time / PIO4 or Ultra DMA/33       None         e June 1999 / January 2001       VIII       VIIII	MHz • Puma IntelliSync 97 (infrared)
Memory (std / max)	64MB / 288MB <sup>25</sup> 32MB / 288MB SDRAM / non-parity / 66MHz / 3.3v / sockets accessed by removing screw on Two 144-pin sockets / 32MB on planar / 1 or 2 sockets available / for 64MB model, one socket used by 32MB SO-DIMM	I Norton AntiVirus™ (OEM Version)
Display	<b>13.3</b> " (337.8mm) <b>TFT color</b> / Active Matrix / XGA / 75ms / 100 to 1 contrast ratio 640x480, 800x600, or 1024x768 (up to 16.7 million colors) 150 nits (AC), 90 nits (battery) / 180 degree tilt	
Graphics - controller Graphics - features Graphics - external	NeoMagic <sup>™</sup> MagicMedia256AV <sup>™</sup> (NM2200) / Accelerated Graphics Port 2.5MB / SGRAM (embedded) / 128-bit engine, 256-bit memory interface / AGP- Motion compensation / color space conversion / interpolation in X and Y axis Multiple-monitor support <sup>26</sup> for Windows 98 / simultaneous LCD and CRT <sup>26</sup> / DD External SVGA to 1024x768x16.7 million colors at 85Hz and 1280x1024x256 of	<ul> <li>Microsoft Windows NT<sup>®</sup> 4.0</li> <li>C2B</li> <li>Service Pack 4a</li> <li>ThinkPad Utilities</li> </ul>
Disk Disk controller	Left front / removable via coin screw or 2.5mm Allen wrench / SMART <sup>29</sup> / upgrade Enhanced IDE / busmaster / PCI 2.1 / South Bridge / PIIX4E DMA Mode 2, Ultra DMA/33, or PIO Mode 4 / supports 2nd disk in opt HDD ada	IhinkPad Configuration Program
Keyboard / Fn keys Keyboard slope Pointing device	Full-size 85-key keyboard / 10 Fn key functions / integrated palm rest Flat keyboard (does not lift up) / optional Port Replicator adds slope <b>TrackPoint</b> <sup>®</sup> / Press-to-Select / Release-to-Select / dragging / click pace / center click button for scrolling or magnifying glass / suspension top / spare cap	<ul> <li>Puma IntelliSync 97 (infrared)</li> <li>IBM Global Network Dialer</li> <li>Netscape Communicator</li> </ul>
Dimensions <sup>36</sup> Approximate weight <sup>2</sup>	Approximately 11.8 x 9.4 x 1.4" (155 cubic inches); 300mm x 240mm x 36.5n 5.04 lbs (2.29 kg) w/ travel cover and battery only / IBM ThinkPad UltraCarbon™ ca	• Universal Management Agent • ConfigSafe
Battery - type Battery - life <sup>10</sup> Charge time <sup>10</sup> - on / off	Lithium Ion / intelligent / remove from base / locked with latch 3.0 hrs / no non-disruptive battery exchange / supports 2nd battery in UltraslimBa 2 to 3 hrs / 1.5 to 2.5 hrs	Norton AntiVirus (OEM Version)     IBM Update Connector     Access ThinkPad     SystemSoft CardWizard
Architecture Port replicator Docking Station PC Card Std slots USB / serial / parallel	Intel 440BX AGPset / Intel 82371EB PIIX4E (EIDE, ISA Bridge, USB) / TI® PCI1251 for CardBus / AGP for graphics / LM75 digital thermometer PCI 2.1 / 32-bit / 33MHz (EIDE, CardBus, audio, USB, ext expansion) PC97338 Super I/O / ISA (audio, modem, diskette, serial, parallel, infrared, ext e SelectaBase 600 / PC Card Enabler <sup>17</sup> / PC Card Enabler with Advanced Ether SelectaDock III <sup>17</sup> / SelectaDock I and II 2 Type I, 2 Type II, or 1 Type III / CardBus 32-bit / PCMCIA 2.1 / Zoomed Video One USB / one 9 pin serial; 16550A / one (IEEE P1284-A, EPP, ECP, bidirectio	<ul> <li>Software Selections CD-ROM</li> <li>Recovery CD-ROM (Windows NT)</li> <li>The right bay (UltraslimBay) has LED on release latch to provide status; supports warm swapping:</li> <li>std diskette and travel cover</li> </ul>
Other features Video (TV) out MPEG decoder Data/fax modem Audio support Jacks	APM-aware BIOS / Ultraslim 56 watt AC Adapter barrel, 3 prong / selectable I 5BU/BAU: Video out (composite) / cable ships std with RCA jack / Chrontel CH None (W98 support for MPEG-2 because 300MHz with motion compensatio 56K <sup>22</sup> V.90 / 14.4Kbps fax / telephony / voice-capable / integrated Mwave® 3780i DSP / international programmable DAA / modem cab CS4239: ISA / SRS 3D audio / FM synthesis / 16-bit playback and record CS4610: PCI / decodes AC3 into stereo / MPEG-2 audio decoding / accel of Dire Int stereo speakers (front) / .5 watt / Fn+PgUp and PgDn (volume) / int micropho Input jack (3.5 mm) / Output jack (3.5 mm) / full duplex	<ul> <li>std or optional DVD drive</li> <li>optional UltraslimBay battery (cold swap only; 600E only)</li> <li>optional LS-120 SuperDisk drive (cold swap only)</li> <li>optional Zip 100MB drive (cold swap)</li> <li>optional HDD adapter; for second disk</li> </ul>
Infrared ports Security	Infrared port (on right) / IrDA 1.1 compatible / up to 4Mbps Power-on password / hard disk password / supervisor password / security keyh	
Limited warranty <sup>11</sup> Service options <sup>15</sup>	personalization / phillips-head screw on base for memory / opt Allen screw for of <b>3 year</b> - carry-in or ThinkPad EasyServ <sup>TM31</sup> Rapid Depot Repair (3 business day average turnaround) On-site <sup>32</sup> , M-F, 8-5, next bus day (72 cities) / serv up to 5 yrs from purchase dat	ACPI ready (APM enabled) Wired for Management 1.1a Wake on LAN® support <sup>28</sup>
- ThinkPad 600 Li-lo - 10/100 EtherJet C modem	on Battery 12J2464 - 6.4GB disk, 13ms, Ultra DMA/33 02K05	Onversal Management Agent         Support           518         Setup Guide, User's Reference, Quick           93         Reference and Service Information           67         Card, Options by IBM Catalog,           320         Windows 98 or NT manual
Color depth         LCD           Resolution         TFT           640x480         16M           800x600         16M           1024x768         16M           1280x1024	Constant of the image with the image w	<ul> <li>Standby, suspend, safe suspend, and hibernation modes</li> <li>ENERGY STAR compliant</li> <li>Asset ID<sup>™</sup> wireless RF technology (available only as an AAP option on the 600E model BAU; Atmel<sup>®</sup></li> <li>AT24RF08 EEPROM))</li> </ul>
of remaining space	of 2GB if W98) or FAT16 (if NT) - 2X <sup>5</sup> DVD Drive (UltraslimBay) 05K8 - 6X-2X <sup>5</sup> DVD Drive (UltraslimBay) 05K9 - Zip 100MB UltraslimBay Drive (570/600) 37L15 - UltraslimBay Battery (600E only) 02K65	<ul> <li><b>IBM SystemXtra</b><sup>®.35</sup></li> <li>24 hour / 7 day<sup>30</sup> telephone, bulletin board, fax, electronic, and Internet</li> </ul>

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## IBM ThinkPad<sup>®</sup> 600X - withdrawn

IBM <sup>®</sup> ThinkPad <sup>®</sup>					
Processor Processor features L2 cache Diskette (removable) External FDD port	No upgrade / processor, L 256KB / onboard (at proc 3.5" 1.44MB / use in Ultras External diskette port on r Std or option: CD-ROM / 2:	<b>I 450 or 500MHz</b> <sup>1</sup> / <b>100MH</b> 2 cache, and mem cntr (No essor speed) / sync pipelin limBay™ / ships in external d ight side (can use simultand 4X-10X <sup>5</sup> speed / bootable / re bootable / removable from U	orth Bridge) on Mobile ed burst / write-back liskette enclosure with eously with internal C emovable from Ultrasli	/ ECC n a cable D/DVD) imBay	WINDOWS 98 PRELOAD <sup>16</sup> - Microsoft® Windows® 98 Second Ed ThinkPad Utilities • Online User's Guide • ThinkPad Configuration Program • PC-Doctor • IBM Registration Biographic Exerc
Type - model Preload (see side) Processor CD or DVD-ROM Disk (removable)	2645-3EU         2645-7EU           Win 98         NT 4.0           Pentium III 450MHz         CD-ROM           6.0GB <sup>4</sup> / 12ms seek read         PIO4 or Ultra DMA/33	2645-4EU         2645-8EU           Win 98         Win 2000           Pentium III 500MHz         CD-ROM           CD-ROM         12.0GB / 12ms seek read           PIO4 or Ultra DMA/33         12000 PIO4	2645-5EU 2645-9 Win 98 NT 4.0 Pentium III 500MHz 6X-2.3X <sup>5</sup> DVD / RPC 12.0GB / 12ms seel PIO4 or Ultra DMA/3	z C II k (read)	<ul> <li>RingCentral Fax</li> <li>IBM Global Network Dialer</li> <li>Netscape Communicator</li> <li>Lotus® SmartSuite® Millennium<sup>20</sup></li> <li>Universal Manageability Services</li> <li>ThinkPad on the Net</li> <li>Configered®</li> </ul>
Avail / withdrawn date Memory (std / max)	64MB / 576MB SDRAM / non-parity / 100M	Dec 1999 / Jan 2001		w on	<ul> <li>ConfigSafe<sup>®</sup></li> <li>Norton AntiVirus<sup>™</sup> (OEM Version)</li> <li>Mediamatics DVD Express (5/9EU)</li> <li>IBM Update Connector</li> </ul>
Display	13.3" (337.8mm) TFT colo	s / 64MB on planar / 2 sock r / Active Matrix / XGA / 75n 24x768 (up to 16.7 million co ery) / 180 degree tilt	ns / 100 to 1 contrast	ratio /	<ul> <li>Access ThinkPad</li> <li>Software Selections CD-ROM</li> <li>Recovery CD-ROM (Windows 98)</li> <li>Recovery CD-ROM (Windows 95)<sup>40</sup></li> </ul>
Graphics - features Graphics - external Disk	NeoMagic™ MagicGraph 4MB / SGRAM (embedder Motion compensation / r simultaneous LCD and CR External SVGA to 1024x76	<b>256ZX</b> <sup>™</sup> (NM2360) / Accele d) / 128-bit engine, 256-bit m nultiple-monitor support <sup>26</sup> for	nemory interface / AG r Windows 98 / Iz and 1280x1024x25	àP 2X 56 colors deable	WINDOWS NT PRELOAD <sup>16</sup> - Microsoft Windows NT® 4.0 - Service Pack 5 • ThinkPad Utilities • Online User's Guide
Disk controller Keyboard / Fn keys Keyboard slope Pointing device	DMA Mode 2, Ultra DMA/3 Full-size 85-key keyboard Flat keyboard (does not lif <b>TrackPoint</b> <sup>®</sup> / Press-to-Se	r / PCI 2.1 / South Bridge / 3, or PIO Mode 4 / supports / 10 Fn key functions / integ t up) / optional Port Replicat lect / Release-to-Select / dra lling or magnifying glass / su	rated palm rest or adds slope agging / click pace /	adapter	<ul> <li>ThinkPad Configuration Program</li> <li>IBM Registration</li> <li>PC-Doctor</li> <li>RingCentral Fax</li> <li>IBM Global Network Dialer</li> <li>Netscape Communicator</li> <li>Lotus SmartSuite Millennium<sup>20</sup></li> </ul>
Dimensions <sup>36</sup> Approximate weight <sup>2</sup> Battery - type Battery - life <sup>10</sup> Charge time <sup>10</sup> , on / off	5.0 lbs (2.25 kg) w/ travel c Lithium Ion / intelligent / re	x 1.4" (155 cubic inches); 30 over and battery only / IBM <sup>¬</sup> move from base / locked wit battery exchange / supports	ThinkPad UltraCarbor th latch	5mm n™ case limBay	<ul> <li>Universal Manageability Services</li> <li>ConfigSafe</li> <li>Norton AntiVirus (OEM Version)</li> <li>Mediamatics DVD Express (5/9EU)</li> <li>IBM Update Connector</li> </ul>
Architecture	Intel 440BX AGPset / Inte TI® PCI1450 for CardBus PCI 2.1 / 32-bit / 33MHz (	el PIIX4M (EIDE, ISA Bridge / AGP 2X for graphics / EIDE, CardBus, audio, USB (diskette, serial, parallel, inf	3, ext expansion) /		<ul> <li>SystemSoft CardWizard</li> <li>Software Selections CD-ROM</li> <li>Recovery CD-ROM (Windows NT)</li> </ul>
Port replicator Docking Station PC Card Std slots USB / serial / parallel Other features	SelectaBase 600 / PC Ca SelectaDock III <sup>17</sup> / Select 2 Type I, 2 Type II, or 1 Ty One USB / one 9 pin seria	ird Enabler <sup>17</sup> / PC Card Ena	bler with Advanced E MCIA 2.1 / Zoomed V 4-A, EPP, ECP, bidire	'ideo ectional)	The right bay (UltraslimBay) has LED on release latch to provide status; supports warm swapping: • std diskette and travel cover • std or optional CD-ROM • std or optional DVD drive
Video (TV) out MPEG decoder Data/fax modem Audio support	None (W98 support for M 56K <sup>37</sup> V.90 / 14.4Kbps fax Lucent <sup>®</sup> 1646 / internationa	osite) / cable ships std with F PEG-2 because 300MHz wi / telephony / voice-capable al programmable DAA / mo d / full duplex / SoundBlaste	ith motion compensa / Mini-PCI Type IIIb / dem cable	CH7004 ation)	<ul> <li>optional UltraslimBay battery (cold swap only; 600E and 600X only)</li> <li>optional LS-120 SuperDisk drive (cold swap only)</li> </ul>
Jacks Infrared ports	CS4624 / CS4297A AC97 Int stereo speakers (front) Input jack (3.5 mm) / output		Dn (volume) / int micr duplex	rophone	<ul> <li>optional Žip 100MB drive (cold swap)</li> <li>optional HDD adapter; for second disk (cold swap only)</li> <li>optional ThinkPad Proven<sup>™</sup> solutions<sup>12</sup></li> </ul>
Security	personalization / phillips-h	disk password / supervisor ead screw on base for mem	ory / opt Allen screw	for disk	PC 99-compliant CIM and DMI 2.0 compliant Wired for Management 1.1a
Limited warranty <sup>11</sup> Service options <sup>15</sup>	average turnaround)	ad EasyServ™³1 Rapid Depo us day (72 cities) / serv up to		-	Wake on LAN <sup>®</sup> support <sup>28</sup> APM enabled (ACPI ready) Local and remote asset management
<ul> <li>IBM Portable Drive</li> <li>10/100 EtherJet Camodem</li> <li>IBM 10/100 EtherJet</li> </ul>	rdBus with 56K <sup>22</sup>	511 - 6.0GB disk, 12ms, AT - 12.0GB disk, 12ms, A 167 - 18.0GB disk, 12ms, A 147 - SelectaBase 600 - PC Card Enabler with	TA-66 0 TA-66 3 1	)5K9199 )5K9200 37L2993  2J2467 )5K4820	via the IBM Universal Manageability Services Setup Guide, User's Reference, Quick Reference and Service Information Card, Options by IBM Catalog,
Color depth         LCD           Resolution         TFT           640x480         16M           800x600         16M           1024x768         16M           1280x1024	External Monitor           60Hz         70Hz         75Hz         85Hz           16M          16M         16M           16M          16M         16M           16M         16M         16M         16M           256	- SelectaDock III <sup>17</sup> - Ultraslim 56 watt AC A - 24X-10X <sup>5</sup> CD-ROM (U 32MB SO DIMM 100M - 64MB SO DIMM 100M - 128MB SO DIMM 100I _ 256MB SO DIMM 100I	dapter (3 prong) 0 ItraslimBay) 1 IHz NP SDRAM 2 IHz NP SDRAM 2 MHz NP SDRAM 3 MHz NP SDRAM 3	8547003 02K6545 2J2471 20L0253 20L0254 20L0255 33L3069	Windows 98 or NT manual Plug and Play 1.0a Standby, suspend, safe suspend, and hibernation modes ENERGY STAR compliant Asset ID™ wireless RF technology (available as special bid option;
All models: - C: drive is FAT16 o - D: drive is FAT32 (ii of remaining space	f 2GB i W98) or FAT16 (if NT)	<ul> <li>- UltraslimBay HDD ada</li> <li>- SuperDisk LS-120 (Ult</li> <li>- 6X-2X<sup>5</sup> DVD Drive (Ult</li> <li>- Zip 100MB UltraslimBa</li> <li>- UltraslimBay Battery (€</li> <li>- ThinkPad 600 Li-Ion B</li> </ul>	traslimBay) 2 raslimBay) 0 ny Drive (570/600) 3 600E/X only) 0	)5K9169	Àtmel® AT24RF08 EEPROM)) International Warranty Service <sup>14</sup> IBM SystemXtra® 35 24 hour / 7 day <sup>30</sup> telephone, bulletin board, fax, electronic, and Internet (www.ibm.com/pc/us) support

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# IB派 ThinkPad<sup>®</sup> 600X (2000) - withdrawn

IBM <sup>®</sup> ThinkPad <sup>®</sup>					
Processor	Intel <sup>®</sup> Mobile Pentium <sup>®</sup> III 9 650MHz <sup>1,41</sup> with SpeedSte			m® III	- Microsoft <sup>®</sup> Windows <sup>®</sup> 98 Second Ed
External FDD port	No upgrade / processor, L2 256KB / onboard (at proce 3.5" 1.44MB / use in Ultraslii External diskette port on rig Std or option: CD-ROM / 24 Std or option: DVD-ROM / b	e cache, and mem cntr (No ssor speed) / sync pipelin mBay™ / ships in external d jht side (can use simultane K-10X⁵ speed / bootable / re	orth Bridge) on Mobile ed burst / write-back iskette enclosure witl eously with internal C emovable from Ultrasl	/ ECC h a cable CD/DVD)	<ul> <li>ThinkPad Utilities</li> <li>Online User's Guide</li> <li>ThinkPad Configuration Program</li> <li>PC-Doctor</li> <li>IBM Registration</li> <li>RingCentral Fax</li> </ul>
Type - model Preload (see side) Processor CD or DVD-ROM Disk (removable) Avail / withdrawn date	2645-8PU Windows 2000 Pro Pentium III 500MHz CD-ROM 12.0GB <sup>4</sup> / 12ms seek read / February 2000 / February 200		2645-9FU Windows 2000 Pro Pentium III 650MH CD-ROM O Mode 4 / S.M.A.R	o Iz	<ul> <li>Netscape Communicator</li> <li>Lotus<sup>®</sup> SmartSuite<sup>®</sup> Millennium</li> <li>ThinkPad on the Net</li> <li>ConfigSafe<sup>®</sup></li> <li>Norton AntiVirus<sup>™</sup> (OEM Version)</li> <li>Mediamatics DVD Express (5/9FU)</li> <li>IBM Update Connector</li> </ul>
Memory (std / max)	64MB / 576MB SDRAM / non-parity / 100M base / two 144-pin sockets			w on	<ul> <li>Access ThinkPad</li> <li>Software Selections CD-ROM</li> <li>Recovery CD-ROM (Windows 98 SE)</li> </ul>
Display	<b>13.3</b> " (337.8mm) <b>TFT color</b> 640x480, 800x600, or 1024 150 nits (AC), 90 nits (batte	4x768 (up to 16.7 million co		t ratio /	
Graphics - features	NeoMagic™ MagicGraph2 4MB / SGRAM (embedded) Motion compensation / m simultaneous LCD and CRT	/ 128-bit engine, 256-bit m ultiple-monitor support <sup>26</sup> for <sup>26</sup> / DDC2B	nemory interface Windows 98 SE on	ly /	<ul> <li>Online User's Guide</li> <li>ThinkPad Configuration Program</li> <li>IBM Registration</li> </ul>
Graphics - external Disk Disk controller	External SVGA to 1024x768 Left front / remove via coin s Enhanced IDE / busmaster DMA Mode 2, Ultra DMA/33	crew or 2.5mm Allen wrenc / PCI 2.1 / South Bridge / , or PIO Mode 4 / supports	h / SMART <sup>29</sup> / upgra 2nd disk in opt HDD	deable	<ul> <li>PC-Doctor</li> <li>RingCentral Fax</li> <li>Netscape Communicator</li> <li>Lotus SmartSuite Millennium</li> <li>ConfigSafe</li> </ul>
Keyboard / Fn keys Keyboard slope Pointing device	Full-size 85-key keyboard / Flat keyboard (does not lift <b>TrackPoint®</b> / Press-to-Sele center click button for scroll	up) / optional Port Replicato ect / Release-to-Select / dra ing or magnifying glass / su	or adds slope agging / click pace / uspension top / span	e caps	<ul> <li>IBM Ŭpdate Connector</li> <li>SystemSoft CardWizard</li> <li>Software Selections CD-ROM</li> <li>Recovery CD-ROM (Windows 2000)</li> </ul>
Dimensions <sup>36</sup> Approximate weight <sup>2</sup>	Approximately 11.8 x 9.4 x 4.99 lbs (2.25 kg) w/ travel c	over and battery only / IBM	ThinkPad UltraCarb		♦ Recovery CD-ROM (Windows NT) <sup>40</sup> The right bay (UltraslimBay) has LED on
Battery - type Battery - life <sup>10</sup> Charge time <sup>10</sup> - on / off	Lithium Ion / intelligent / ren 3.0 hrs / no non-disruptive b 2 to 3 hrs / 1.5 to 2.5 hrs	attery exchange / supports	2nd battery in Ultras	limBay	<ul> <li>release latch to provide status; supports warm swapping:</li> <li>std diskette and travel cover</li> </ul>
Architecture Port replicator Docking Station PC Card Std slots USB / serial / parallel Other features Video (TV) out MPEG decoder Data/fax modem	Intel 440BX AGPset / Intel TI® PCI1450 for CardBus / PCI 2.1 / 32-bit / 33MHz (E PC97338 Super I/O / ISA ( SelectaBase 600 / PC Car SelectaDock III <sup>17</sup> / Selectal 2 Type I, 2 Type II, or 1 Typ One USB / one 9 pin serial; APM-aware BIOS / Ultraslin 5FU/9FU: Video out (compo None (W98 support for MP 56K <sup>37</sup> V.90 / 14.4Kbps fax /	AGP 2X for graphics / IDE, CardBus, audio, USB diskette, serial, parallel, inf d Enabler <sup>17</sup> / PC Card Enat Dock I and II e III / CardBus 32-bit / PCN 16550A / one (IEEE P1284 56 watt AC Adapter barre site) / cable ships std with F EG-2 because 300MHz wi	e, ext expansion) / rared, ext exp) oler with Advanced E //CIA 2.1 / Zoomed V 4-A, EPP, ECP, bidir 1, 3 prong / selectab 8CA jack / Chrontel C th motion compensa	/ideo rectional) le boot CH7004 ation)	<ul> <li>std or optional CD-ROM</li> <li>std or optional CD-ROM</li> <li>std or optional DVD drive</li> <li>optional UltraslimBay battery (cold swap only; 600E and 600X only)</li> <li>optional LS-120 SuperDisk drive (cold swap only)</li> <li>optional Zip 100MB drive (cold swap)</li> <li>optional HDD adapter; for second disk (cold swap only)</li> <li>optional ThinkPad Proven<sup>™</sup> solutions<sup>12</sup></li> </ul>
Audio support Jacks	Lucent® 1646 / international 16-bit playback and record CS4624 / CS4297A AC97 Int stereo speakers (front) / Input jack (3.5 mm) / output	programmable DAA / moo / full duplex / SoundBlaste codec .5 watt / Fn+PgUp and PgI ack (3.5 mm) / line in / full c	dem cable er Pro™ support / PC Dn (volume) / int mic duplex	CI / rophone	PC 99-compliant CIM and DMI 2.0 compliant Wired for Management 1.1a Wake on LAN <sup>®</sup> support <sup>28</sup> APM enabled (ACPI ready)
Infrared ports Security	Infrared port (on right) / IrDA Power-on password / hard of personalization / phillips-hea	disk password / supervisor	password / security k		Local and remote asset management via the IBM Universal Manageability Services
Limited warranty <sup>11</sup> Service options <sup>15</sup>	<b>3 year</b> - carry-in or ThinkPa average turnaround) On-site <sup>32</sup> , M-F, 8-5, next bus	d EasyServ <sup>™31</sup> Rapid Depo	ot Repair (3 business	s day	Remote setup and low-level maintenance via IBM LANClient Control Manager™
- IBM Portable Drive - 10/100 EtherJet Ca	Bay 33L15 ardBus with 56K <sup>22</sup>	11 - 6.0GB disk, 12ms, ATA - 12.0GB disk, 12ms, AT	Α-66 ( ΓΑ-66 (	05K9199 05K9200	Setup Guide, User's Reference, Quick Reference and Service Information Card, Options by IBM Catalog,
modem - IBM 10/100 EtherJe	08L31 et CardBus PC Card 08L31	67 - 18.0GB disk, 12ms, A1	ГА-66		Windows 98 or 2000 manual Plug and Play 1.0a Standby, suspend, safe suspend, and
Color depth         LCD           Resolution         TFT           640x480         16M           800x600         16M           1024x768         16M           1280x1024	External Monitor           60Hz         70Hz         75Hz         85Hz           16M          16M         16M           16M          16M         16M           16M         16M         16M         16M           16M         16M         16M         16M           256	- SelectaDock III <sup>17</sup> - Ultraslim 56 watt AC A - 24X-10X <sup>5</sup> CD-ROM (UI - 64MB SO DIMM 100M - 128MB SO DIMM 100M - 256MB SO DIMM 100M - UltraslimBay HDD ada	dapter (3 prong) ItraslimBay) Hz NP SDRAM MHz NP SDRAM MHz NP SDRAM Thr SDRAM (for 2nd disk)	3547003 02K6545 12J2471 20L0254 20L0255 33L3069 05K5336	hibernation modes ENERGY STAR compliant Asset ID <sup>™</sup> wireless RF technology (available as special bid option; Atmel <sup>®</sup> AT24RF08 EEPROM)) International Warranty Service <sup>14</sup> <b>IBM SystemXtra</b> <sup>®,35</sup> 24 hour / 7 day <sup>30</sup> telephone, bulletin
Windows 98 model: - C: drive is FAT16 o - D: drive is FAT32 o Windows 2000 mode - C: drive is FAT32 o	f remaining space els:	<ul> <li>SuperDisk LS-120 (Ult -6X-2X<sup>6</sup> DVD Drive (Ultr -Zip 100MB UltraslimBa -UltraslimBay Battery (6 -ThinkPad 600 Li-Ion Bi - IBM 340MB microdrive</li> </ul>	aslimBay); RPC II ( y Drive (570/600) ( 600E/X only) ( attery	20L1929 05K9169 37L1507 02K6504 12J2464 00N8073	board, fax, electronic, and Internet (www.ibm.com/pc/us) support
	property of their respective ow				es are expressed or implied in this summary

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## IBM ThinkPad 701 - withdrawn

IBM <sup>®</sup> ThinkPad <sup>®</sup> :	≫ <b>701CS</b> dual scan col	or		≫ <b>701C</b> TFT colo				ThinkP	ad 701CS / 701C strengths:
Processor 3.3 volt Processor speed Coprocessor socket Memory cache Diskette	80486DX2 50/25 MHz N/A (math cop 8 KB in DX2; External 3.5"	InteIDX 75/25 M processor std 16 KB in DX4 1.44 MB / ho	<b>//Hz</b> in DX2/DX4) // no L2 cache	80486DX 50/25 MF The 701 h Connector standard	(2 Hz has a Ex or to atta MultiPo	ch either rt II or (w	us ith	<ul> <li>▷ Full s</li> <li>▷ Subn</li> <li>▷ Audio</li> <li>▷ Infrar</li> </ul>	ized, folding TrackWrite keyboard ized 10.4" color dual scan or TFT display otebook size and weight (4.5 pounds) o, 14.4/14.4 data/fax modem, telephony ed communication Point III and removeable disk
Hard disk - spd ms Available date Display - type	<b>360 MB 540</b> 13 <b>1</b>	9 1,499		ÚT2 360 13 🗖	3,299 UT5 <b>540</b> 13 🗖 Mar95	1,999 <b></b> ♣ 2TU <b>360</b> 13 <b>□</b> Mar95	2,149 5TU <b>540</b> 13 🗖	7TU 720 13 🗖	<ul> <li>Data modem function         <ul> <li>V.22bis (2400 bps)</li> <li>V.32 (9600 bps)</li> <li>V.32bis (14.4 Kbps)</li> </ul> </li> <li>Fax modem function</li> </ul>
Display - colors Display - techology Display - diagonal size Graphics - controller Graphics - vendor	CT-65545 wi Chips & Tech	0 to 1 contra th 1 MB DR/ inologies / E	ist ratio AM External SVG/		t <b>ive ma</b> n / 100 t x 768 25	t <b>rix</b> o 1 contr 6 colors	ast rat (up to	70 Hz)	<ul> <li>Class 1 fax send/receive (14.4 Kbps)</li> <li>Audio function         <ul> <li>16 bit audio / 44.1 kHz sampling rate</li> <li>Stereo waveform record and playback</li> <li>18 voice MIDI wave table synthesizer</li> <li>SoundBlaster™ support</li> </ul> </li> </ul>
Graph - arch/data path Memory - std / max Memory - type Mem - sockets empty Mem-options available	4/36 MB 70 ns / non-p 1 socket 4, 8, 16, 32 M	<b>8</b> / 40 M arity / 3.3 vc 1B SO-DIMM	ИВ blt Иs	<b>4</b> / 36 ME	3 The tv Track into p	8/40 M vowings Write™k ositiona	IB s (end ceyboa utoma	s) of the ard slide atically	<ul> <li>Text to speech (via Monologue)</li> <li>Telephone function         <ul> <li>Full telephone (can use opt headset)</li> <li>Telephone answering machine</li> <li>Full duplex speakerphone</li> </ul> </li> </ul>
Keyboard / # of keys Keyboard slope Mouse/pointing Ext keyboard support Dimensions	Yes (use Mul	tiPort II stan II™ on Tracl e required) 7" (130 cubi		t) ard	Fn key - Con	time the sed functior figuratior ery Statu	is: hUtility		PREINSTALLED APPLICATIONS - IBM DOS 6.3 - Windows 3.11 * DX4 systems include OS/2 Warp 3.0 (dual boot) with selected BonusPak
Color Weight (with battery) Battery - type Battery - life Charge time - on / off	Black 4.5 pounds Super NiCad 2.5 to 7 hours 1.5 hrs / batte	expand or NiMH (D or <b>or c</b>	yboard open i ls from 9.7" to X4 mdls built optional NiMI harge if unit is	_11.5" after 9/95) <b>H</b>	<ul> <li>Stan</li> <li>Hibe</li> <li>Spea</li> <li>Haro</li> <li>LCD</li> </ul>	dby/Sus rnation aker off ( disk off or CRT	pend audio or botl	'n	<ul> <li>IBM PC Card Director<sup>™</sup> for PCMCIA</li> <li>IBM ThinkPad Demo</li> <li>Online Users Guide</li> <li>ThinkPad Features</li> <li>Diskette Factory</li> <li>Lotus<sup>®</sup> cc:Mail<sup>™</sup>, e-mail for the Global<sup>®</sup></li> </ul>
Architecture Docking Station Port replicator PCMCIA <sup>TM</sup> 2.1 slots Serial / parallel ports Other features	None (use sta 2 Type I or 2 One 9 pin; 16	andard Multi <b>Type II or</b> 1 550A / ECP	I <b>Type III</b> P/EPP parallel	36 pin (IE	- Incre - Brig - Spe EE 1284	nten/dim aker volu 1); non-D	rease LCD me up MA	contrast /down	network 2. Lotus Organizer™ 1.12 3. Lotus ScreenCam™ 1.0 4. Triton CoSession™ Host 5. PRODIGY <sup>®</sup> ; 6. America Online <sup>®</sup> 7. SofNet FaxWorks™ Voice™ 3.0
Functions Data/fax modem Audio support Audio in/out jacks Telephone	APM-aware BIOS / Wallmount AC adapter (30 watts) w/2 prongs / Selectable boot Data modem, fax modem, audio, telephony function 14.4/14.4 data/fax modem function (with RJ11 jack) 16 bit audio chip on planar (ESS688 and Yamaha OPL3) / FM Synthesis Internal speaker (with Fn key volume control) and internal microphone Input jack / microphone jack / output jack Telephone / answering machine / full duplex speakerphone					<ol> <li>8. Video For Windows™ 1.1 Runtime</li> <li>9. Monologue (text to speech)</li> <li>10. Puma TranXit™ (infrared function)</li> <li>11. Taxi™</li> <li>12. AlphaNet™ FollowFax™</li> <li>13. SEDONA™ REPRINT™</li> </ol>			
Infrared ports Security	Infrared por Power-on pa	t <b>(on back)</b> ssword / loc	/ IRDA 1.0 co king device ke	mpatible	up to 1	15.2 Kb		security	<ol> <li>COMPEL<sup>™</sup> Personal Edition</li> <li>Audiofile<sup>®</sup> TalkWorks<sup>™</sup></li> <li>Reuters<sup>SM</sup> Money<sup>®</sup> Network</li> </ol>
Preinstalled software Warranty	IBM DOS 6.3 and all appls <b>3 year</b> - Easy	, Windows™ listed to righ	43.11, (and O			models)	,		
Configuration Utility is time MultiPort II (ships sta has ports for: - Mouse/Numpad cor - External keyboard c - EPP parallel port (2! - Serial connector (RS - Audio line in (3.5 mr - Audio line out (3.5 mr	ndard) is 1.7 x nector (6 pin) onnector (6 pi 5 pin) S-232D - 9 pin n)	∴.9 x 10" and n)	d - Dock II - Dock II - 4 MB S - 8 MB S - 16 MB - 32 MB - Univers	e in all 701 540 MB di 720 MB di (2 slot / 2 Adapter k O-DIMM 3 SO-DIMM SO-DIMM SO-DIMM SO-DIMM sal AC Ada apter 30 w	sk 13 m sk 13 m bay) tit 3.3v 3.3v 3.3v 3.3v 3.3v 3.3v	s 04 s 10 84 04 92 92 92 92 92 watts 04	H6894 H4096 G3587 H6196 G7259 G7267 G7267 G7267 G7287 H8367 H8367 H4020	+ Ba 7 No 6 St 9 F 1 US 3 Pe 1	FEATURES OF 701CS / 701C MODELS attery life indicator on-disruptive battery exchange andby, suspend, hibernation, and RediSafe modes S EPA Energy Star compliant prsonalized nameplate in molded indention
<ul> <li>External display con</li> <li>DC input connector</li> <li>ECP/EPP port (36 line external floppy or a pri External Diskette Drive 36-pin and a 26-pin or Printer Cable Adapter</li> <li>connector and a 25-pin</li> </ul>	néctor (15 pin s) connects ei nter. The star e Cable (13.2" nnector. The (7.1") has a 36	ther the Idard ) has a Standard S-pin	- AC Ada - Super I - NiMH E - MultiPo - Externa - EPP Pi	apter 35 w NiCad Batt Battery Drt II al diskette rinter Cabl e Pack	, ww, 3 ery with cal e &	oin 85 10 25 10 0le 10 10	G6680 H4019 H4862 H4021 H4068 H4069	) 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	HELPWARE year warranty nternational Warranty Service 4 hour / 7 day telephone, bulletin board, fax, electronic, and Internet (http://www.pc.ibm.com) support BM or dealer warranty/service
conventional printer ca → Withdrawn from mar	able is needed	)	memory, a in the Thin	Ind Dock I	are NO			C	Online Housecall (remote diagnostics)
ThinkPad EasyServ™: any location, IBM repairs	customer calls	1-800-772-2					t A		arks are the property of their respective owners anties are expressed or implied in this summary

No warranties are the property of their respective owners No warranties are expressed or implied in this summary (701) Compiled by Roger Dodson, IBM. June 1996

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## IBM ThinkPad 710T, 720, 720C - withdrawn

IBM <sup>®</sup> ThinkPad <sup>®</sup> :	≫ <b>710T</b>	≫ <b>720</b>	≫ <b>720C</b>
	pen tablet	monochrome	color TFT
Processor type	80486 SLC	80486 SLC2	80486 SLC2
Processor speed	25 MHz	50/25 MHz	50/25 MHz
Memory cache	16 KB internal	16 KB internal	16 KB internal
Coprocessor socket	No	Yes (for 387 SL)	Yes (for 387 SL)
Diskette drive	Optional 3.5" 1.44 MB	3.5" 1.44 MB	3.5" 1.44 MB
Price (retail USD) Type - model Hard drive - size Hard drive - speed Available date Withdrawal date	\$ 1,859       \$ 2,749       \$ 2,849         2523-09Y       2523-302       2523-303         Option (TPF) <b>60 MB 60 MB</b> 5, 10, 15 MB       18.5 ms       18.5 ms         March 93       March 93       March 93         Sept 94       Sept 94       March 94	\$ 2,495 ★ \$ 2,655 ★ 9552-307 9552-308 120 MB □ 17 ms ○ 15 ms ○ May 93 March 94	\$ 4,695 9552-30J <b>160 MB</b> ♥ 15 ms ◯ May 93 March 94
Display - type Display - grey scales Display - techology Display - light source Display - size (diag) Display - contrast ratio 180 degree display tilt	VGA mono 16 grey scales STN Transflective LCD - Backlit 9.5 inch 3 to 1 N/A VGA mono Transflective: can turn on backlit in dark areas or turn it off in bright areas	VGA mono 64 grey scales STN LCD - backlit 9.5 inch 18 to 1 Yes	VGA color 256 colors 640x480 Thin film transistor Active matrix 10.4 inch 100 to 1 Yes
Memory - std / max	4 / 12 MB 80 ns	4 / 16 MB 80 ns	4 / 16 MB 80 ns
Mem - sockets empty	1 socket (parity)	2 sockets (parity)	2 sockets (parity)
SIMM/ICs available	2, 4, 8 MB SIMMs	2, 4, 8 MB ICs	2, 4, 8 MB ICs
Keyboard / # of keys	External (any PS/2 keyboard	Full size alp/num/ 84	Full size alp/num/ 84
Fn key functions	N/A (no keyboard)	None	None
Keyboard slope	N/A is supported)	8 degrees (legs)	8 degrees (legs)
Mouse/pointing	Electromagnetic pen	<b>TrackPoint II</b> ™	<b>TrackPoint II</b>
Ext keyboard support	Yes	Yes (with opt cable)	Yes (with opt cable)
Dimensions	11.6 x 9.6 x 1.4"	11.7 x 8.3 x 1.9"	11.7 x 8.3 x 2.2"
Cubic inches	156 inches	185 inches	214 inches
Carrying case	Blk nylon standard	Many options available	Many options available
Color	Black	Black	Black
Weight (with battery)	5.2 pounds (09Y); 5.5 pounds (302,3)	6.5 pounds	7.6 pounds
Battery - type	Nickel cadmium	Nickel hydride	Nickel hydride
Batt - life (per battery)	3.3 to 4.1 hrs (09Y); 3.1 to 3.8 (302,3)	4 to 8 hours	2.4 to 4.8 hours
Charge time - on / off	N/A / 3 hrs (unit off or suspend only)	3 hrs / 2 hrs	1.5 hrs / 1.4 hrs
Battery - options	Nickel cadmium half size battery	Yes - status indicator	Yes - status indicator
Architecture External AT/MCA port Comm Crtrdge (1 card) Docking Station Port replicator Modem/serial slot PCMCIA slots Visible LEDs - closed Serial / parallel ports	Local / AT I/O, DMA Yes No No No 2 Type III PC Card can occupy 2 Type II slots on Model 09Y 3 Type II (09Y); 1 Type II (302, 303) N/A Yes / Yes	Micro Channel <sup>®</sup> Yes Yes (black) Yes (3550-002) black Yes black No <b>2 Type I or 2 Type II</b> Yes <b>or 1 Type III</b> Yes / Yes (DMA)	Micro Channel Yes Yes (black) Yes (3550-002) black Yes black No <b>2 Type I or 2 Type II</b> Yes <b>or 1 Type III</b> Yes / Yes (DMA)
APM-aware BIOS Other features Preinstalled software Warranty	No 09Y: PenDOS, PenPoint on optional solid state files (10, 15 MB). 302: PenDOS 2.0; 303: PenPoint 1 year - EasyServ only	APM-aware BIOS Hrdw security loop IBM DOS 5.02, PRODIGY <sup>®</sup> <b>3 year</b> - carry in or EasyServ (opt onsite)	APM-aware BIOS Hrdw security loop IBM DOS 5.02, PRODIGY <b>3 year</b> - carry in or EasyServ (opt onsite)

The 700/720 family hard disks, batteries, and docking station are NOT compatible with ThinkPad 360, 750, 755. The 700/720 memory IS compatible with ThinkPad 360, 750, 755.

FEATURES OF 700/700C and 720/720C 3 year warranty 700/720 mono upgradeable to TFT color 700/700C upgradeable to 486SLC2 50/25 Upgradeable to 120, 160, 240, 340 MB Removable hard disk Pressure activated TrackPoint II Optional battery w/ power status indicators Quick Charger holds 2 batt; discharge button Coupon book with \$4,000 in savings		FEATURES OF ALL PRODUCTS Suspend/resume mode; battery life indicator Non-disruptive battery exchange Simultaneous LCD and external CRT US EPA Energy Star compliant International travelers warranty IBM or dealer warranty/service 30 day money back guarantee 24 hour / 7 day fax support 24 hour / 7 day bulletin board support 24 hour / 7 day telephone support at
✤ Price decrease effective October 28, 1993	✓ Withdrawn from marketing	1-800-772-2227

 ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight).

 STN = Super twisted nematic;

 ■ Upgradeable;
 ○ = Removable

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## IBM ThinkPad 730T - withdrawn

IBM <sup>®</sup> ThinkPad <sup>®</sup> :	≫ 730T				
	pen tablet				
Processor type Processor speed Memory cache Coprocessor socket Diskette drive	80486SX (3.3 volt SL Enh 33 MHz 8 KB internal (no L2 cach No Optional 3.5" 1.44 MB (sai		TE)		
Price (retail USD) Type - model Hard drive - size Hard drive - speed Preinstalled software Avail / withdrawn date Memory - std / max Mem - sockets empty	\$2,569 2524-801 Option (required via PCMCIA disk) N/A May 1994 / June 1996 4 / 20 MB Uses a specific Type III P0	\$2,879 2524-901 Option (required via PCMCIA disk) N/A May 1994 / June 1996 8 / 24 MB CMCIA slot; this will then permi	\$3,119 2524-80F <b>105 MB PCMCIA</b> 15 ms IBM DOS 6.3 Windows for Pen Computing May 1994 / June 1996 4 / 20 MB t a Type I or II PCMCIA card in re	\$ 3,429 2524-90F <b>105 MB PCMCIA</b> 15 ms IBM DOS 6.3 Windows for Pen Computing May 1994 / June 1996 8 / 24 MB sst of slot	
Memory - type Memory - options	70 ns / non-parity / 5.0 vol 4, 8, 16 MB ICs	t			
Display - type Display - grey scales Display - techology Display - light source Display - size (diag) Display - contrast ratio	VGA 640 x 480 monochrome       (External display is 640 x 480 with 16 colors)         16 grey scales       (Simultaneous LCD and CRT display)         STN Transflective       Transflective: can turn on backlight in dark areas or turn it off in bright areas         3 to 1       1				
Keyboard Mouse/pointing	Electromagnetic pen/digiti	ard is supported; attach to port r izer/stylus that realistically simu ) / stylus is stored in a compart	llates the feel of pen-to-paper / un	tethered / batteryless	
Dimensions Cubic inches Carrying case Color Weight (with battery)	10.6 x 8.3 x 1.4" 123 inches Blk nylon standard (many Black 3.5 pounds (1 battery); 3.9	. ,			
Battery - type Battery - quantity Batt - life (per battery) Charge time - on / off	3.5 pounds (1 battery); 3.9 pounds (2 batteries)         Nickel hydride (NiMH)       A false battery pack ships         Two batteries ship standard / can use one or two batteries       standard if only want to         1 battery: 2 to 5 hours       use one battery         2 battery: 4 to 10 hours       N/A / 1.5 hours (unit off or suspend only)				
Architecture Docking Station Port replicator	Local memory bus / ISA No Yes (ships standard / attac Port Replicator includes ①	ch to 200 pin connector)	pin 16550A serial port, ③ 25 pin E	EPP parallel port,	
Modem/serial slot PCMCIA 2.01 slots	No (use PCMCIA) <b>3 Type II or 2 Type III</b> as f 1st slot: 2 Type II o memory w	follows: r 1 Type III (but any additional i ill leave 1 Type II slot remaining	memory must go into this slot; so	-	
Serial / parallel ports	Yes (on Port Replicator) /	Yes (on Port Replicator)		· · · · /	
Warranty	<b>3 year</b> - ThinkPad EasySe	N™			
The ThinkDod 700T					
Supported is:	quires a bootable operating s	system with Pen capability.	PCMCIA SLOT	CONFIGURATION	

Supported is: - PenDOS <sup>®</sup> 2.2 with IBM 84G9180 - PCMCIA - Pen for OS/2 1.0 with ( 84G9190 - PCMCIA - Windows for Pen Com	A DOS 6.3 A HDD 105 MB F DS/2 <sup>®</sup> 2.11 A HDD 105 MB F puting <sup>®</sup> 3.1 with a preloaded with	Pen for OS/2 preloaded	PCMC Two Type III (1	
Quick Charger Car Battery Adapter NiMH Battery (dual) AC Adapter 20 watts PortReplicator External 3.5" 1.44 MB diskette drive 105 MB HDD (PenDOS) 105 MB HDD (PenOS2) Hand Strap Soft Case Battery Case	66G9540 66G9545 66G9550 84G0480 84G0485 48G8263 84G9180 84G9190 84G0495 84G0490 84G0500	4 MB IC DRAM 70 ns 5v non-parity 8 MB IC DRAM 70 ns 5v non-parity 16 MB IC DRAM 70 ns 5v non-parity	92G7236 92G7237 92G7424	FEATURES OF THINKPAD 730T Suspend/resume mode Battery life indicator Non-disruptive battery exchange US EPA Energy Star compliant 3 year warranty International Warranty Service 24 hour / 7 day telephone, bulletin board, fax, and electronic support IBM warranty/service 30 day money back guarantee

ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business day average turnaround). Overnight repair option in US available for \$99. ≪ = Withdrawn from marketing

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## IBM ThinkPad 730TE - withdrawn

IBM <sup>®</sup> ThinkPad <sup>®</sup> :	≫ 730TE		The 730TE is the same as the		
	pen tablet		730T (older models) except:		
Processor	IntelDX4™ 75/25 MI		730T	730TE	
Memory cache	16 KB in DX4 (no L2		➡ 486SX - 33 M	MHz IntelDX4 - 75/25 MHz	
Coprocessor socket Diskette drive	N/A; standard in Intel	B (same as ThinkPad 710T and 730T)	🗢 105 MB disk	preloads 🌣 260 MB disk preloads	
	\$2,849	\$3.499	_	Improved storage	
Price (retail USD) Type - model	₅2,649 2524-B01	2524-B0F		door for pen	
Partnumber	39H5976	39H5975			
Hard drive - size	Option (required	260 MB PCMCIA			
Hard drive - speed Preinstalled software	via PCMCIA disk)	12 ms / 4500 rpm / 16 MB/sec burst tran	nsfer rate / 5.7 MB/	sec media transfer rate	
Preinstalled software	N/A	IBM DOS 7.0 Windows for Pen Computing			
Avail / withdrawn date	Oct 1995 / July 1997				
Memory - std / max	8 / 24 MB	,			
Mem - sockets empty		e III PCMCIA slot; this will then permit a Ty	/pe I or II PCMCIA	card in rest of slot	
Memory - type	70 ns / non-parity / 5	.0 volt			
Memory - options	4, 8, 16 MB ICs	(=			
Display - type	VGA 640 x 480 mono	ochrome (External display is 640 x 480 (Simultaneous LCD and CRT	with 16 colors)		
Display - grey scales Display - techology	16 grey scales STN Transflective	(	1 37		
Display - light source	LCD - Backlit	Transflective: can turn on b	backlight in		
Display - size (diag)	9.5 inch / 3 to 1 contr		0		
Graphics controller	0	90C24A / VL-Bus 2.0 local bus / 1 MB DRA	,		
Keyboard Mouse/pointing		eyboard is supported; attach to port replica		paper/untethered/better.less	
Mouse/pointing	(a mouse is not supr	n/digitizer/stylus that realistically simulates ported) / stylus is stored in a compartment	on bottom	paper / uniternered / batteryless	
Dimensions	10.6 x 8.3 x 1.4"				
Cubic inches	123 inches				
Carrying case	Blk nylon standard (n	many options also available)			
Color	Black				
Weight (with battery)		y); 3.9 pounds (2 batteries)			
Battery - type Battery - quantity	Nickel hydride (NiMF	H) tandard / can use one or two batteries	A false battery pa standard if only w		
Batt - life (per battery)	1 battery: 1.65 to 5 h		use one battery	antio	
	2 battery: 3.3 to 10 h	hours	doe one ballery		
Charge time - on / off	N/A / 1.5 hours (unit	off or suspend only)			
Architecture	Local memory bus / I	ISA			
Docking Station	No Xoo (obino standard	(attach to 200 pip connector)			
Port replicator		/ attach to 200 pin connector) Ides ① 15 pin external CRT port, ② 9 pin 16	6550A serial port.	3 25 pin EPP parallel port.	
	④ diskette drive conr	nector, \$ keyboard port, 6 DC port for AC	connector		
Modem/serial slot	No (use PCMCIA)				
PCMCIA <sup>™</sup> 2.1 slots	3 Type II or 2 Type I 1st slot: 2 Tyr	pe II or 1 Type III (but any additional memo	orv must an into th	is slot: so adding IC DRAM	
	mem	nory will leave 1 Type II slot remaining)	ory must go into th	is slot, so adding to DIVAM	
	2nd slot: 2 Typ	pe II or 1 Type III (260 MB PCMCIA disk in	Model B0F is inst	alled here)	
Serial / parallel ports	Yes (on Port Replica			lalleu liele)	
		ator) / Yes (on Port Replicator)			
Security	Power-on password	, , ,	:		
Warranty	Power-on password		ion)		
	Power-on password	, , ,	ion)		
Warranty	Power-on password 3 year - ThinkPad Ea	, , ,	,		
Warranty	Power-on password 3 year - ThinkPad Ea	asyServ™ (Optional Overnight Repair Opti	PCMC	CIA SLOT CONFIGURATION	
Warranty The ThinkPad 730T red Supported is:	Power-on password 3 year - ThinkPad Ea quires a bootable opera	asyServ™ (Optional Overnight Repair Opti	,	CIA SLOT CONFIGURATION	
Warranty The ThinkPad 730T rec Supported is: – PenDOS <sup>®</sup> 2.2 with IE 39H6014 - PCMC	Power-on password <b>3 year</b> - ThinkPad Ea quires a bootable opera BM DOS 7.0 CIA HDD 260 MB PenD	asyServ™ (Optional Overnight Repair Opti	PCMC	CIA SLOT CONFIGURATION 0 mm high):	
Warranty The ThinkPad 730T red Supported is: – PenDOS <sup>®</sup> 2.2 with IE 39H6014 - PCMC – Pen for OS/2 1.03 with	Power-on password <b>3 year</b> - ThinkPad Ea quires a bootable opera BM DOS 7.0 21A HDD 260 MB PenD ith OS/2 <sup>®</sup> Warp	asyServ™ (Optional Overnight Repair Optional Overnight Repair Overn	PCMC Two Type III (1	CIA SLOT CONFIGURATION 0 mm high):	
Warranty The ThinkPad 730T rec Supported is: – PenDOS <sup>®</sup> 2.2 with IE 39H6014 - PCMC – Pen for OS/2 1.03 with 39H6017 - PCMC	Power-on password <b>3 year</b> - ThinkPad Ea quires a bootable opera BM DOS 7.0 CIA HDD 260 MB PenD th OS/2 <sup>®</sup> Warp IA HDD 260 MB Pen fo	asyServ™ (Optional Overnight Repair Optional Overnight Repair Overnight Repair Optional Overnight Repair Overnig	PCMC Two Type III (1	CIA SLOT CONFIGURATION 0 mm high):	
Warranty The ThinkPad 730T rec Supported is: – PenDOS <sup>®</sup> 2.2 with IE 39H6014 - PCMC – Pen for OS/2 1.03 wi 39H6017 - PCMC – Windows for Pen Co	Power-on password <b>3 year</b> - ThinkPad Ea quires a bootable opera BM DOS 7.0 IA HDD 260 MB PenD ith OS/2 <sup>®</sup> Warp IA HDD 260 MB Pen for mputing <sup>®</sup> 1.0 with IBM	asyServ™ (Optional Overnight Repair Opti ating system with Pen capability. POS preloaded or OS/2 preloaded DOS 7.0/Windows 3.11	PCMC Two Type III (1	CIA SLOT CONFIGURATION 0 mm high):	
Warranty The ThinkPad 730T rec Supported is: – PenDOS <sup>®</sup> 2.2 with IE 39H6014 - PCMC – Pen for OS/2 1.03 wi 39H6017 - PCMC – Windows for Pen Co	Power-on password <b>3 year</b> - ThinkPad Ea quires a bootable opera BM DOS 7.0 CA HDD 260 MB PenD CIA HDD 260 MB Pen for mputing® 1.0 with IBM oaded with Windows for	asyServ™ (Optional Overnight Repair Opti ating system with Pen capability. POS preloaded or OS/2 preloaded DOS 7.0/Windows 3.11	PCMC Two Type III (1	CIA SLOT CONFIGURATION 0 mm high):	
Warranty The ThinkPad 730T rec Supported is: – PenDOS <sup>®</sup> 2.2 with IE 39H6014 - PCMC – Pen for OS/2 1.03 wi 39H6017 - PCMC – Windows for Pen Co Model B0F is prel – PenRight! <sup>®</sup> (availab	Power-on password <b>3 year</b> - ThinkPad Ea quires a bootable opera BM DOS 7.0 CIA HDD 260 MB PenD ith OS/2 <sup>®</sup> Warp CIA HDD 260 MB Pen for mputing <sup>®</sup> 1.0 with IBM oaded with Windows for ole at dealers)	asyServ™ (Optional Overnight Repair Opti ating system with Pen capability. DOS preloaded or OS/2 preloaded DOS 7.0/Windows 3.11 or Pen Computing	PCMC Two Type III (1	CIA SLOT CONFIGURATION 0 mm high): PCMCIA Type III 260 MB disk in this slot (Model B0F)	
Warranty The ThinkPad 730T red Supported is: – PenDOS <sup>®</sup> 2.2 with IE 39H6014 - PCMC – Pen for OS/2 1.03 wi 39H6017 - PCMC – Windows for Pen Co Model B0F is prel – PenRight! <sup>®</sup> (availab	Power-on password <b>3 year</b> - ThinkPad Ea quires a bootable opera BM DOS 7.0 CIA HDD 260 MB PenD th OS/2 <sup>®</sup> Warp DA HDD 260 MB Pen for mputing <sup>®</sup> 1.0 with IBM oaded with Windows for oale at dealers) 66G9540 260	asyServ™ (Optional Overnight Repair Optional Overnight Repair Repair Repai	PCMC Two Type III (1	CIA SLOT CONFIGURATION 0 mm high): Donly PCMCIA Type III 260 MB disk in this slot	
Warranty The ThinkPad 730T red Supported is: - PenDOS <sup>®</sup> 2.2 with IE 39H6014 - PCMC - Pen for OS/2 1.03 wi 39H6017 - PCMC - Windows for Pen Co Model B0F is prel - PenRight! ® (availab Quick Charger Car Battery Adapter	Power-on password <b>3 year</b> - ThinkPad Ea quires a bootable opera BM DOS 7.0 IA HDD 260 MB PenD ith OS/2 <sup>®</sup> Warp IA HDD 260 MB Pen for mputing <sup>®</sup> 1.0 with IBM oaded with Windows for ole at dealers) <u>66G9540</u> 66G9545 266 266 266 266 266 266 266 26	asyServ™ (Optional Overnight Repair Optional Overnight Repair Optional Overnight Repair Optional Overnight Repair Option System with Pen capability. DOS preloaded or OS/2 preloaded DOS 7.0/Windows 3.11 or Pen Computing 0 MB HDD PCMCIA Type III (Blank) 0 MB HDD PCMCIA Type III (Warp for Per	PCMC Two Type III (1 IC DRAM c IC DRAM c 06H9077 n) 39H6017	CIA SLOT CONFIGURATION 0 mm high): PCMCIA Type III 260 MB disk in this slot (Model B0F)	
Warranty The ThinkPad 730T rec Supported is: – PenDOS <sup>®</sup> 2.2 with IE 39H6014 - PCMC – Pen for OS/2 1.03 wi 39H6017 - PCMC – Windows for Pen Co Model BOF is prel – PenRight! <sup>®</sup> (availab Quick Charger Car Battery Adapter NiMH Battery (dual) AC Adapter 20 watts	Power-on password <b>3 year</b> - ThinkPad Ea quires a bootable opera BM DOS 7.0 CA HDD 260 MB PenD CA HDD 260 MB PenD CA HDD 260 MB Pen for mputing® 1.0 with IBM oaded with Windows for ole at dealers) <u>66G9540</u> <u>66G9545</u> <u>66G9550</u> <u>266</u> <u>66G9550</u> <u>266</u> <u>66G9550</u> <u>266</u> <u>66G9550</u> <u>266</u> <u>66G9550</u> <u>266</u> <u>66G9550</u> <u>266</u> <u>66G9550</u> <u>266</u> <u>66G9550</u> <u>266</u> <u>66G9550</u> <u>266</u> <u>66G9550</u> <u>266</u> <u>66G9550</u> <u>266</u> <u>66G9540</u> <u>266</u> <u>66G9540</u> <u>266</u> <u>66G9540</u> <u>266</u> <u>66G9545</u> <u>266</u> <u>66G9545</u> <u>266</u> <u>66G9540</u> <u>266</u> <u>66G9540</u> <u>266</u> <u>66G9545</u> <u>266</u> <u>66G9540</u> <u>266</u> <u>66G9540</u> <u>266</u> <u>66G9540</u> <u>266</u> <u>66G9540</u> <u>266</u> <u>66G9545</u> <u>266</u> <u>66G9540</u> <u>266</u> <u>66G9540</u> <u>266</u> <u>66G9540</u> <u>266</u> <u>66G9540</u> <u>266</u> <u>66G9540</u> <u>266</u> <u>66G9540</u> <u>266</u> <u>66G9540</u> <u>266</u> <u>6669540</u> <u>266</u> <u>6669540</u> <u>266</u> <u>6669540</u> <u>266</u> <u>6669540</u> <u>266</u> <u>6669540</u> <u>266</u> <u>6669540</u> <u>266</u> <u>6669540</u> <u>266</u> <u>6669540</u> <u>266</u> <u>6669540</u> <u>266</u> <u>6669540</u> <u>266</u> <u>6669540</u> <u>266</u> <u>6669540</u> <u>266</u> <u>6669540</u> <u>266</u> <u>6669540</u> <u>266</u> <u>6669540</u> <u>266</u> <u>6669540</u> <u>266</u> <u>6669540</u> <u>266</u> <u>6669540</u> <u>266</u> <u>6669540</u> <u>266</u> <u>6669540</u> <u>266</u> <u>6669540</u> <u>266</u> <u>6669540</u> <u>266</u> <u>6669540</u> <u>266</u> <u>6669540</u> <u>266</u> <u>6669540</u> <u>266</u> <u>6669540</u> <u>266</u> <u>6669540</u> <u>266</u> <u>6669540</u> <u>266</u> <u>6669540</u> <u>266</u> <u>6669540</u> <u>266</u> <u>6669540</u> <u>266</u> <u>6669540</u> <u>266</u> <u>6669540</u> <u>266</u> <u>6669540</u> <u>266</u> <u>6669540</u> <u>266</u> <u>6669540</u> <u>266</u> <u>6669540</u> <u>666</u> <u>6669550</u> <u>666</u> <u>666</u> <u>666</u> <u>666</u> <u>666</u> <u>666</u> <u>666</u> <u>666</u> <u>666</u> <u>666</u> <u>666</u> <u>666</u> <u>666</u> <u>666</u> <u>666</u> <u>666</u> <u>666</u> <u>666</u> <u>666</u> <u>666</u> <u>666</u> <u>666</u> <u>666</u> <u>666</u> <u>666</u> <u>666</u> <u>666</u> <u>666</u> <u>666</u> <u>666</u> <u>666</u> <u>666</u> <u>666</u> <u>666</u> <u>666</u> <u>666</u> <u>666</u> <u>666</u> <u>666</u> <u>666</u> <u>666</u> <u>666</u> <u>666</u> <u>666</u> <u>666</u> <u>666</u> <u>666</u> <u>666</u> <u>666</u> <u>666</u> <u>666</u> <u>666</u> <u>666</u> <u>666</u> <u>666</u> <u>666</u> <u>666</u> <u>666</u> <u>666</u> <u>666</u> <u>666</u> <u>666</u> <u>666</u> <u>666</u> <u>666</u> <u>666</u> <u>666</u> <u>666</u> <u>666</u> <u>666</u> <u>666</u> <u>666</u> <u>666</u> <u>666</u> <u>666</u> <u>666</u> <u>666</u> <u>666</u> <u>666</u> <u>666</u> <u>666</u> <u>666</u> <u>666</u> <u></u>	asyServ™ (Optional Overnight Repair Opti ating system with Pen capability. POS preloaded or OS/2 preloaded DOS 7.0/Windows 3.11 or Pen Computing 0 MB HDD PCMCIA Type III (Blank) 0 MB HDD PCMCIA Type III (Warp for Per 0 MB HDD PCMCIA Type III (Warp for Per 0 MB HDD PCMCIA Type III (PenDOS) MB IC DRAM 70 ns 5v non-parity	PCMC Two Type III (1	CIA SLOT CONFIGURATION 0 mm high): DNIY PCMCIA Type III 260 MB disk in this slot (Model B0F) FEATURES OF THINKPAD 730TE	
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Warranty The ThinkPad 730T rec Supported is: – PenDOS® 2.2 with IE 39H6014 - PCMC – Pen for OS/2 1.03 wi 39H6017 - PCMC – Windows for Pen Co Model B0F is prel – PenRight!® (availab Quick Charger Car Battery Adapter NiMH Battery (dual) AC Adapter 20 watts PortReplicator External 3.5" 1.44 MB diskette drive	Power-on password <b>3 year</b> - ThinkPad Ea quires a bootable opera BM DOS 7.0 IA HDD 260 MB PenD ith OS/2 <sup>®</sup> Warp IA HDD 260 MB Pen for mputing <sup>®</sup> 1.0 with IBM oaded with Windows for ole at dealers) <u>66G9540</u> <u>66G9545</u> <u>66G9550</u> <u>84G0480</u> <u>84G0485</u> <u>84G0485</u> <u>84G0485</u> <u>816</u> <u>84G0485</u> <u>816</u> <u>84G0485</u> <u>816</u> <u>8460485</u> <u>816</u> <u>8460485</u> <u>816</u> <u>8460485</u> <u>816</u> <u>8460485</u> <u>816</u> <u>8460485</u> <u>816</u> <u>8460485</u> <u>816</u> <u>8460485</u> <u>816</u> <u>8460485</u> <u>816</u> <u>8460485</u> <u>816</u> <u>8460485</u> <u>816</u> <u>8460485</u> <u>816</u> <u>8460485</u> <u>816</u> <u>8460485</u> <u>816</u> <u>8460485</u> <u>816</u> <u>8460485</u> <u>816</u> <u>8669550</u> <u>8460485</u> <u>816</u> <u>8669545</u> <u>8669545</u> <u>8460485</u> <u>816</u> <u>8669545</u> <u>8669545</u> <u>8669545</u> <u>8669545</u> <u>8669545</u> <u>8669545</u> <u>8669545</u> <u>8669545</u> <u>8669545</u> <u>8669545</u> <u>8669545</u> <u>8669545</u> <u>8669545</u> <u>8669545</u> <u>8669545</u> <u>8669545</u> <u>8669545</u> <u>8669545</u> <u>8669545</u> <u>8669545</u> <u>8669545</u> <u>8669545</u> <u>8669545</u> <u>8669545</u> <u>8669545</u> <u>8669545</u> <u>8669545</u> <u>8669550</u> <u>8669550</u> <u>8669550</u> <u>8669550</u> <u>8669550</u> <u>8669550</u> <u>8669550</u> <u>8669550</u> <u>8669550</u> <u>8669550</u> <u>8669550</u> <u>8669550</u> <u>8669550</u> <u>8669550</u> <u>8669550</u> <u>8669550</u> <u>8669550</u> <u>8669550</u> <u>8669550</u> <u>8669550</u> <u>8669550</u> <u>8669550</u> <u>8669550</u> <u>8669550</u> <u>8669550</u> <u>8669550</u> <u>8669550</u> <u>8669550</u> <u>8669550</u> <u>8669550</u> <u>8669550</u> <u>8669550</u> <u>8669550</u> <u>8669550</u> <u>8669550</u> <u>8669550</u> <u>8669550</u> <u>8669550</u> <u>8669550</u> <u>8669550</u> <u>8669550</u> <u>8669550</u> <u>8669550</u> <u>8669550</u> <u>8669550</u> <u>8669550</u> <u>8669550</u> <u>8669550</u> <u>8669550</u> <u>8669550</u> <u>8669550</u> <u>8669550</u> <u>8669550</u> <u>8669550</u> <u>8669550</u> <u>8669550</u> <u>8669550</u> <u>8669550</u> <u>8669550</u> <u>8669550</u> <u>8669550</u> <u>8669550</u> <u>8669550</u> <u>8669550</u> <u>8669550</u> <u>8669550</u> <u>8669550</u> <u>8669550</u> <u>8669550</u> <u>8669550</u> <u>8669550</u> <u>8669550</u> <u>8669550</u> <u>8669550</u> <u>8669550</u> <u>8669550</u> <u>8669550</u> <u>8669550</u> <u>8669550</u> <u>8669550</u> <u>8669550</u> <u>8669550</u> <u>8669550</u> <u>8669550</u> <u>8669550</u> <u>8669550</u> <u>8669550</u> <u>8669550</u> <u>8669550</u> <u>8669550</u> <u>8669550</u> <u>8669550</u> <u>8669550</u> <u>8669550</u> <u>8669550</u> <u>8669550</u> <u>8669550</u> <u>8669550</u> <u>8669</u>	asyServ™ (Optional Overnight Repair Opti ating system with Pen capability. NOS preloaded or OS/2 preloaded DOS 7.0/Windows 3.11 or Pen Computing 0 MB HDD PCMCIA Type III (Blank) 0 MB HDD PCMCIA Type III (Warp for Per 0 MB HDD PCMCIA Type III (Warp for Per 0 MB HDD PCMCIA Type III (PenDOS) MB IC DRAM 70 ns 5v non-parity MB IC DRAM 70 ns 5v non-parity	PCMC Two Type III (1 IC DRAM of 06H9077 n) 06H9077 39H6017 39H6014 92G7236 92G7237	CIA SLOT CONFIGURATION 0 mm high): DIV PCMCIA Type III 260 MB disk in this slot (Model B0F) FEATURES OF THINKPAD 730TE Suspend/resume mode Battery life indicator Non-disruptive battery exchange US EPA Energy Star compliant 3 year warranty	
Warranty The ThinkPad 730T red Supported is: - PenDOS <sup>®</sup> 2.2 with IE 39H6014 - PCMC - Pen for OS/2 1.03 wi 39H6017 - PCMC - Windows for Pen Co Model B0F is prel - PenRight! <sup>®</sup> (availab Quick Charger Car Battery Adapter NiMH Battery (dual) AC Adapter 20 watts PortReplicator External 3.5" 1.44 MB	Power-on password <b>3 year</b> - ThinkPad Ea quires a bootable opera BM DOS 7.0 CIA HDD 260 MB PenD CIA HDD 260 MB Pen for mputing® 1.0 with IBM oaded with Windows for ble at dealers) 66G9540 66G9540 66G9550 84G0480 4 84G0485 8	asyServ™ (Optional Overnight Repair Opti ating system with Pen capability. NOS preloaded or OS/2 preloaded DOS 7.0/Windows 3.11 or Pen Computing 0 MB HDD PCMCIA Type III (Blank) 0 MB HDD PCMCIA Type III (Warp for Per 0 MB HDD PCMCIA Type III (Warp for Per 0 MB HDD PCMCIA Type III (PenDOS) MB IC DRAM 70 ns 5v non-parity MB IC DRAM 70 ns 5v non-parity	PCMC Two Type III (1 IC DRAM of 06H9077 n) 06H9077 39H6017 39H6014 92G7236 92G7237	CIA SLOT CONFIGURATION 0 mm high): DNIY PCMCIA Type III 260 MB disk in this slot (Model B0F) FEATURES OF THINKPAD 730TE Suspend/resume mode Battery life indicator Non-disruptive battery exchange US EPA Energy Star compliant 3 year warranty International Warranty Service	
Warranty The ThinkPad 730T rec Supported is: – PenDOS® 2.2 with IE 39H6014 - PCMC – Pen for OS/2 1.03 wi 39H6017 - PCMC – Windows for Pen Co Model B0F is prel – PenRight!® (availab Quick Charger Car Battery Adapter NiMH Battery (dual) AC Adapter 20 watts PortReplicator External 3.5" 1.44 MB diskette drive Hand Strap	Power-on password <b>3 year</b> - ThinkPad Ea quires a bootable opera BM DOS 7.0 IA HDD 260 MB PenD IA HDD 260 MB Pen for mputing® 1.0 with IBM oaded with Windows for ble at dealers) 66G9545 66G9545 66G9550 84G0480 84G0485 84G0495	asyServ™ (Optional Overnight Repair Opti ating system with Pen capability. NOS preloaded or OS/2 preloaded DOS 7.0/Windows 3.11 or Pen Computing 0 MB HDD PCMCIA Type III (Blank) 0 MB HDD PCMCIA Type III (Warp for Per 0 MB HDD PCMCIA Type III (Warp for Per 0 MB HDD PCMCIA Type III (PenDOS) MB IC DRAM 70 ns 5v non-parity MB IC DRAM 70 ns 5v non-parity	PCMC Two Type III (1 IC DRAM of 06H9077 n) 06H9077 39H6017 39H6014 92G7236 92G7237	CIA SLOT CONFIGURATION 0 mm high): DIV PCMCIA Type III 260 MB disk in this slot (Model B0F) FEATURES OF THINKPAD 730TE Suspend/resume mode Battery life indicator Non-disruptive battery exchange US EPA Energy Star compliant 3 year warranty	
Warranty The ThinkPad 730T rec Supported is: – PenDOS <sup>®</sup> 2.2 with IE 39H6014 - PCMC – Pen for OS/2 1.03 wi 39H6017 - PCMC – Windows for Pen Co Model BOF is prel – PenRight! <sup>®</sup> (availab Quick Charger Car Battery Adapter NiMH Battery (dual) AC Adapter 20 watts PortReplicator External 3.5" 1.44 MB diskette drive Hand Strap Soft Case	Power-on password           3 year - ThinkPad Ea           quires a bootable opera           BM DOS 7.0           CIA HDD 260 MB PenD           CIA HDD 260 MB PenD           CIA HDD 260 MB Pen for mputing® 1.0 with IBM           oaded with Windows for oble at dealers)           66G9540         260           66G9545         260           66G9545         260           84G0485         4           84G0485         16           84G0495         84G0490	asyServ™ (Optional Overnight Repair Opti ating system with Pen capability. NOS preloaded or OS/2 preloaded DOS 7.0/Windows 3.11 or Pen Computing 0 MB HDD PCMCIA Type III (Blank) 0 MB HDD PCMCIA Type III (Warp for Per 0 MB HDD PCMCIA Type III (Warp for Per 0 MB HDD PCMCIA Type III (PenDOS) MB IC DRAM 70 ns 5v non-parity MB IC DRAM 70 ns 5v non-parity	PCMC Two Type III (1 IC DRAM of 06H9077 n) 06H9077 39H6017 39H6014 92G7236 92G7237	CIA SLOT CONFIGURATION 0 mm high): PCMCIA Type III 260 MB disk in this slot (Model B0F) FEATURES OF THINKPAD 730TE Suspend/resume mode Battery life indicator Non-disruptive battery exchange US EPA Energy Star compliant 3 year warranty International Warranty Service 24 hour / 7 day telephone, bulletin board, fax, and electronic support	
Warranty The ThinkPad 730T rec Supported is: – PenDOS <sup>®</sup> 2.2 with IE 39H6014 - PCMC – Pen for OS/2 1.03 wi 39H6017 - PCMC – Windows for Pen Co Model BOF is prel – PenRight! <sup>®</sup> (availab Quick Charger Car Battery Adapter NiMH Battery (dual) AC Adapter 20 watts PortReplicator External 3.5" 1.44 MB diskette drive Hand Strap Soft Case	Power-on password           3 year - ThinkPad Ea           quires a bootable opera           BM DOS 7.0           CIA HDD 260 MB PenD           CIA HDD 260 MB PenD           CIA HDD 260 MB Pen for mputing® 1.0 with IBM           oaded with Windows for oble at dealers)           66G9540         260           66G9545         260           66G9545         260           84G0485         4           84G0485         16           84G0495         84G0490	asyServ™ (Optional Overnight Repair Opti ating system with Pen capability. NOS preloaded or OS/2 preloaded DOS 7.0/Windows 3.11 or Pen Computing 0 MB HDD PCMCIA Type III (Blank) 0 MB HDD PCMCIA Type III (Warp for Per 0 MB HDD PCMCIA Type III (Warp for Per 0 MB HDD PCMCIA Type III (PenDOS) MB IC DRAM 70 ns 5v non-parity MB IC DRAM 70 ns 5v non-parity	PCMC Two Type III (1 IC DRAM of 06H9077 n) 06H9077 39H6017 39H6014 92G7236 92G7237	CIA SLOT CONFIGURATION 0 mm high): PCMCIA Type III 260 MB disk in this slot (Model B0F) FEATURES OF THINKPAD 730TE Suspend/resume mode Battery life indicator Non-disruptive battery exchange US EPA Energy Star compliant 3 year warranty International Warranty Service 24 hour / 7 day telephone, bulletin board, fax, and electronic	

ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business day average turnaround). Overnight repair option in US available for \$99.

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### IBM ThinkPad 750 - withdrawn

IBM <sup>®</sup> ThinkPad <sup>®</sup> :	≫ <b>750</b>	≫ <b>750Cs</b> passive color	<b>≫ 750C</b> color TFT		→ Traveling Multimedia		
Processor type Processor speed Memory cache Coprocessor socket Diskette drive	monochrome <i>All:</i> <b>80486 SL</b> with math <i>All:</i> <b>33 MHz</b> <i>All:</i> 8 KB internal <i>All:</i> N/A (std in 486SL) <i>All:</i> 3.5" 2.88 MB O	A preconfigured system A preconfigured, multimedia <b>750C</b> ; Available Sept 93; \$ 7,245 •					
Price (retail USD) Type - model Hard drive - size Hard drive - speed Avail / withdrawal date Display - type Display - grey scales Display - techology Display - light source Display - size (diag) Display - contrast ratio	\$ 3,199 9545-006 170 MBC 15 ms Sept 93 / withd Sep 94 VGA mono 64 grey scales STN LCD - Sidelit 9.5 inch 18 to 1		s for all: 1 MB DRAM vi	VGA mono 64 grey scales STN - <b>pen enabled</b> LCD - Sidelit 9.5 inch 18 to 1 Yes (external SVGA) deo memory / Video	Included with the IBM Traveling Multimedia: Hardware: - 750C (all features listed on left) - 340MB removable hard disk - 12 MB memory (4 MB std + 8 MB IC DRAM card) - 14.4 Data/Fax modem (PCMCIA) - Dock I (Docking Station) - CD-ROM/XA - double		
SIMM/ICs available Keyboard / # of keys Keyboard slope Mouse/pointing Ext keyboard support	All: 2, 4, 8, 16 MB IĆs	All: 2, 4, 8, 16 MB ICs       Simultaneous LCD & CRT / External VGA is SVGA (to 1024x768)         All: Full size alp/num/ 85       Fn key functions to instantly change in any appl:         All: Yes (legs pop out)       I Fuel guage       I Speaker volume       I High intensity text         All: TrackPoint II       Standby mode       LCD/ext CRT/both I Power mgmt mode					
Dimensions Cubic inches Carrying case Color Weight (with battery)	11.7 x 8.3 x 1.7" 165 inches Blk nylon (option) Black 5.5 pounds	11.7 x 8.3 x 2.0" 194 inches Blk nylon (option) Black 6.2 pounds	11.7 x 8.3 x 2.0" 194 inches Blk nylon (option) Black 6.4 pounds	11.7 x 8.3 x 2.1" 204 inches Blk nylon (option) Black 6.6 pounds	Software: - Windows 3.1 - Asymetrix COMPEL™ (on screen multimedia presentations)		
Battery - type Batt - life (per battery) Charge time - on / off	Nickel hydride (smart) 5.3 to 12 hours 1.5 hrs / 1.5 hrs	Nickel hydride (smart) 3.5 to 8 hours 2.0 hrs / 1.5 hrs	Nickel hydride (smart) 3.4 to 8 hours 2.0 hrs / 1.5 hrs	Nickel hydride (smart) 5.1 to 12 hours 1.5 hrs / 1.5 hrs	<ul> <li>Asymetrix MediaBlitz! (library of media clips)</li> <li>LapLink™ V (file transfer via cable)</li> </ul>		
Architecture (ext port) Docking Station Port replicator PCMCIA 2.01 slots Serial / parallel ports	All: AT bus (with extern All: Yes (Dock I and II t All: 2 types (below) All: 2 <b>Type I or 2 Type</b> All: Yes (one 9 pin) / Er	<ul> <li>International via Cable or modem)</li> <li>Delrina WinFax PRO (fax software)</li> <li>ALL 750 MODELS</li> </ul>					
Other features Audio support Audio in/out jacks Security	All: BIOS/Easy Set up/ All: 16 bit audio chip or All: Input jack supports All: Hardware security I	<i>Liftable (pop-up)</i> <i>keyboard</i> to access diskette drive, disk, battery, and memory					
Preinstalled software Warranty	password) for hardware config changes / Hard disk password (HDP) allows use of disk DOS 6.1, PRODIGY <sup>®</sup> DOS 6.1, PRODIGY Online info, demo <b>3 year</b> - carry in or EasyServ (opt onsite) BasyServ (opt onsite) DOS 6.1, PRODIGY Online info, demo <b>3 year</b> - carry in or						
The 700/720 family har	d disks, batteries, and do	ocking station are NOT c	•	700/720 memory IS co	-		

#### 750 MONOCHROME

Dock I (Docking Station) \$685	750 MONOCHROME	FEATURES OF ALL 750 FAMILY
SCSI-1 controller; two stereo speakers; One full-size 16 bit AT bus slot; 6.0 pounds;	Upgradeable to ① monochrome pen enabled screen (same as 750P), or ② 10.4" TFT color	3 year international warranty 16 bit audio chip on planar (Mwave™)
One bay (slim high 1") for 3.5" or 5.25" devices	750Cs DUAL SCAN COLOR	Headphone (out)/microphone (in) audio jacks
Can house removable disk from 360/750/755; Replication of ports on back of 360750/755;	Dual scan passive matrix color screen	Removable and upgradeable hard disks Removable diskette drive
Additional ports: SCSI, audio, speaker, video in,	750C ACTIVE MATRIX COLOR	Pressure activated TrackPoint II
diskette, headphone jack; handle/palm rest;	Largest 10.4" active matrix color screen	Std intelligent battery with built in processor
Dock II (Docking Station) \$719	750P CONVERTIBLE PEN	for accurate monitoring on screen
SCSI-2 Fast controller; two stereo speakers; Two full-size 16 bit AT bus slots; 17.6 pounds; Two 5.25" bays (1" high (SL) and 1.5" high HH); Can house removable disk from 360/750/755; Two PCMCIA slots (Type II and III);	Same display as the 750 monochrome. Can be used in normal upright position or folded down into a position suitable for writing via the standard untethered stylus.	Discharge battery via mouse click Quick Charger holds 2 batt; discharge button Non-disruptive battery exchange Standby / suspend / hibernation modes Hibernation mode saves memory to the hard
Many ports including audio, diskette, SCSI; Plug and Play ready	Cellular Digital Packet Data (CDPD) Mobile Communications Module	disk and shuts system off
Port Replicator Model I \$299	Provides transmission of analog and digital	Selectable boot US EPA Energy Star compliant
2 Type I or 2 Type II or 1 Type III PCMCIA slots Provides cable management because all the cables attach to Replicator, not the ThinkPad Replication of Ports: mouse, keyboard, SVGA, parallel port, serial, diskette port, DC power <b>Port Replicator Model II</b> \$109	data using a cellular telephone. Supported on 750, 750Cs, 750C (not 750P). High speed 14.4 bps data/fax modem, AMPS cellular, and CDPD transceiver; wire or wireless; available April 1994; \$1,999	Personalized nameplate in molded indention Coupon book with \$4,000 in savings IBM or dealer warranty/service 30 day money back guarantee 24 hour / 7 day fax support
Same as Model I except <i>no</i> PCMCIA slots	Many other options available from IBM	24 hour / 7 day bulletin board support 24 hour / 7 day telephone support

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## IBM ThinkPad 755 - withdrawn

Processor type       80486 DX2       to DX4       IntelDX4       Source for the construction of th	IBM <sup>®</sup> ThinkPad <sup>®</sup> :	≫ <b>755Cs</b>		≫ <b>755C</b> TET color		→ Traveling Multimedia				
Type - model all 594s         ECC	Processor speed Memory cache Coprocessor socket	<b>50/25 MHz</b> 3.3 volt 8 KB internal (no L2) N/A (std in 486DX2) 3.5" 1.44 MB O	<b>75/25 MHz</b> 3.3 volt 16 KB internal (no L2) N/A (std in 486DX4) 3.5" 1.44 MB ◯	<b>50/25 MHz</b> 3.3 volt 8 KB internal (no L2) N/A (std in 486DX2)	<b>75/25 MHz</b> 3.3 volt 16 KB internal (no L2) N/A (std in 486DX4)	multimedia <b>755C;</b> Available June 94; withdrawn Dec 95 Part #2337289				
Despine - voltors         255 colours	Type - model <b>all 9545</b> Removable disk - size Hard disk - speed ms	E0C E0E E0G F 170 340 540 7 15 0 14 0 14 0	KOC     KOE     KOG       170     340     540       15     14     14	F0C         F0E         F0G           170         340         540         14           15         14         14         14         14	LOC LOE LOG <b>170 340 540</b> 15 0 14 0 14 0	Included with the IBM Traveling Multimedia: Hardware:				
Graphics -controller         All:         WDB0C24A or WD90C24A with 1 MB DRAM / Graphics WinMarks 4.0 = 4.3         Memory Add and the analysis of the analy	Display - colors Display - techology Display - light source Display - size (diag)	256 colors 640x480 (palle STN - passive matrix LCD - Sidelit 9.5 inch <b>Dual scan</b>	ette of 4096 colors)	256 colors 640x480 (pall <b>TFT - active matrix</b> LCD - Backlit 10.4 inch	ette of 262,144 colors)	<ul> <li>DX4 75/25 with all features listed on left</li> <li>540 MB removable hard disk</li> <li>8 MB memory (4 MB</li> </ul>				
Mem - socketis empty         Air. 1 socket (pairty)         max or 2 "fiew DIMM technology for max or 36 MB with a sorie fMB         Station)           DECC 72 pits         DECC 72 pits         Socketis empty         Air. 1 socket (pairty)         Station)           Mem -options available All: 2, 4, 8, 16, 32 MB ICS or 4, 16 MB DIMMs that works on optional Memory Module Adapter         Socketis empty         CD-RMXA - double speed and Kodak           Keyboard // Key kar. Full size alphrum VS         Fn + F2 = Fuel guage         Fn + F3 = Standby	Graphics - vendor	All: Western Digital / Exte	ernal SVGA to 1024 x 76	8 w/ 256 colors		Memory Adapter) - 14.4 Data/Fax				
revisional /# of keys         All:         Full size alphrum 85         Fn + F2 = Fuel guage         Fn + F7 = F2 = Fuel guage         Fn + F7 = F2 = Fuel guage         Fn + F1 = F1	Mem - sockets empty	All: 1 socket (parity)	max or ́ ②́ new DIMM teo JEDEC 72 pin SO DIMM	chnology for max of 36 Mi Is on optional Memory Mo	B with 4 or 16 MB dule Adapter.	Station) - CD-ROM/XA - double				
Dimensions         All:         11.7 x 8.3 x 2.0" (194 cubic inches)         Easy-Setup is entered by holding F1 when turning on. Method (with battery)         plus:           Weight (with battery)         6.1 pounds         6.4 pounds         Intelligent battery vito accurate nonitoring of accurate nonitoring of acurate	Keyboard / # of keys Fn key functions Keyboard slope Mouse/pointing	Instantial stateAll:2, 4, 8, 16, 32 MB ICs or 4, 16 MB DIMMs that works on optional Memory Module Adapter# of keysAll:Full size alp/num/85Fn + F2 = Fuel guageFn + F7 = Ext display/LCD# of keysAll:8 (in any appl)Fn + F3 = StandbyFn + F8, F9, F10 = (reserved)IopeAll:Yes (legs pop out)Fn + F4 = SuspendFn + F1 = Power mgmttringAll:TrackPoint II <sup>TM</sup> Fn + F5 = Audio decreaseFn + F1 = Hibernation mode								
Architecture       All:       AT bus (ISA)       Diskette drive can be removed 0 to reduce weight, I to insert TV trans flor on screen TV, and IV besover the and IV besover the add other third party options.       - TalkWorks <sup>tor</sup> PCMCIA <sup>N+2</sup> , 1 slots, All:       2 Type I or 2 Type II or 1 Type III       - TalkWorks <sup>tor</sup> - ClickArt <sup>1+</sup> 2000         Serial (parallel ports       All:       16 bit audio chip on planar / Crystal Semiconductor CS4248 / Internal speaker and microphone Addio in/out jacks       - TalkWorks <sup>tor</sup> - ClickArt <sup>1+</sup> 2000         Audio support       All:       16 bit audio chip on planar / Crystal Semiconductor CS4248 / Internal speaker and microphone Addio in/out jacks       - Sound Effects Library       - ClickArt <sup>1+</sup> 2000         Security       All:       Power-on password / Hard disk password / Supervisor password (for hardware config       - All: Arbus (SA, Windows 3, 1, Demo, and 8 applications is: 0 Lous <sup>®</sup> cc:Mail e-mail for       - Advantis <sup>®</sup> network, 2 Lous Organizer 1, 12, 3 Lous Screen TO, 4 Mile: Gliph Disk <sup>®</sup> , 1, 0, ® Triton CSessions <sup>®</sup> Host, @ PROIGY <sup>®</sup> , 2 America Online <sup>®,®</sup> , & SolfNet FaxWorks <sup>™</sup> 3, 0         Warranty       All:       3 year - carry in or       The removed diskette drive can be used extenally via the optional 'FDD External Kit'         Cock I (Docking Station)       \$685       SCS-1 controller; two steres speakers;       The removed diskette drive supports all of the options of the ThinkPad 750 family.       - CorD Mobile Communications Module\$ 1,999       Profageita faw modem. AMPS Cellular, and CDPD missers TXP. </td <td>Color Weight (with battery) Battery - type Batt - life (per battery)</td> <td>All: Black 6.1 pounds Nickel hydride (smart) 4 to 8 hours</td> <td><ul> <li>Plus:</li> <li>Asymetrix<sup>®</sup>COMPEL™</li> <li>Asymetrix MediaBlitz! (library of media clips)</li> <li>LapLink™ V</li> </ul></td>	Color Weight (with battery) Battery - type Batt - life (per battery)	All: Black 6.1 pounds Nickel hydride (smart) 4 to 8 hours	<ul> <li>Plus:</li> <li>Asymetrix<sup>®</sup>COMPEL™</li> <li>Asymetrix MediaBlitz! (library of media clips)</li> <li>LapLink™ V</li> </ul>							
Audio support Audio in/out jacks       All: 16 bit audio chip on planar / Crystal Semiconductor CS4248 / Internal speaker and microphone All: Input jack supports microphone / Output jack supports headphone or stere ospeakers changes) / Hardware security loop / PCMCIA card lock / (Security Base optional)       Liftable (pop-up) keyboard to access and remove diskette drive, disk, teattery, and memory         Preinstalled software       All: IBM DOS 6 3, Windows 3.1, Demo, and 8 applications: © Lotus® cc:Mail, e-mail for Advantis® network, © Lotus Organizer 1.12, © Lotus ScreenCam 1.0, @ Official Airline Guide Flight Disk® 1.0, © Triton CoSessions™ Host, © PRODIC9® © America Online®", © SoftNet FaxWorks™ 3.0         Warranty       All: 3 year - carry in or EasyServ (opt onsite \$40 yr)       The removed diskette drive can be used externally via the optional 'FDD External Kit' (includes cable and enclosure; \$135) to the Port Replicator Model I and II and Dock I.         Dock I (Docking Station)       \$685 SCS1-1 controller; two stereo speakers; One full-size 16 bit AT bus slot; 1: 0.0 pounds; Can house removable disk from 360/750/755; Replication of ports on back of 360/750/755; Replication of ports on back of 360/750/755; Rotk II (Docking Station)       \$719 SCS1-2 Fast controller; two stereo speakers; Two 5.25° bays (1' high (SL) and 1.5' high HHH); Mary ports including audio, diskette, SCSI; Pug and Play ready       The TNikPad IC memory for 700, 720, 750, and 755 are all compatible. The 700 and 720 family hard disks, batteries, and docking station are NOT compatible with 750 or 755 family.       Features of all are leiphone. CDPD Mobile Module 10 colled and included on Utility Diskette (755 only) USS tar compliant 750 or 755 family.         Port Replicator Model I sprealication of Ports; mouse, keyb	Architecture Docking Station Port replicator PCMCIA™ 2.1 slots Serial / parallel ports	All: AT bus (ISA) All: Yes (Dock I and II bel All: Yes (2 types below) All: 2 Type I or 2 Type II All: Yes (one 9 pin; 16550	<ul> <li>A) Diskette drive can be removed ① to reduce weight, ② to insert</li> <li>I and II below)</li> <li>and VCR playback), or ④ to add other third party options.</li> <li>r 2 Type II or 1 Type III</li> <li>pin; 16550A) / Enhanced Parallel Port (EPP); non-DMA</li> </ul>							
Advants® network, @ Lotus Organizer 1.12, ® Lotus ScreenCam 1.0, ® Official Airline Guide Flight Disk® 1.0, ® Tritor CoSessions™ Host, ® PRODIGY®. © America Online™, ® SofNet FaxWorks™ 3.0         Warranty       Ali: 3 year - carry in or EasyServ (opt onsite \$40 yr)       The removed diskette drive can be used externally via the optional 'FDD External Kit' (includes cable and enclosure; \$135) to the Port Replicator Model I and II and Dock I.         Dock I (Docking Station)       \$685 SCSI-1 controller; two stereo speakers; One back of 360/750/755; Additional ports: SCSI, audio, speaker, video in, diskette, headphone jack; handle/palm rest;       The ThinkPad 755 family supports all of the optor aback of 360/750/755; Additional ports: SCSI, audio, speaker, video in, diskette, headphone jack; handle/palm rest;       The ThinkPad 755 family supports all of the optor Replicator I       - Diskette drive - Port Replicator II       - Diskette drive - Port Replicator II       - Diskette drive - Port Replicator II       - CA dapter - Port Replicator II       - CA dapter - Port Replicator II       - Cord Discharge button Stande y suspend / hibernation modes tand docking station are NOT compatible with 750 or 755 family.         Port Replicator Model I supper lor 2 Type I or 1 Type III PCMCIA slots Provides cable management because all the cables attach to Replicator, not the ThinkPad Replication of Ports: mouse, keyboard, SVGA, parallel port, serial, diskette port, DC power       Battery compatibility: 360 750 755 84G2392 360 NiMH battery Y N N Y = battery supported; N = not supported       Battery try to Y Y = battery supported; N = not supported         Port Replicator Model II supper lord, serial, diskette port, DC power       \$109       Yuex 7 Za <td>Audio support Audio in/out jacks</td> <td><i>All:</i> 16 bit audio chip on pla <i>All:</i> Input jack supports m <i>All:</i> Power-on password /</td> <td><i>keyboard</i> to access and remove diskette drive, disk, battery,</td>	Audio support Audio in/out jacks	<i>All:</i> 16 bit audio chip on pla <i>All:</i> Input jack supports m <i>All:</i> Power-on password /	<i>keyboard</i> to access and remove diskette drive, disk, battery,							
SCSI-1 controller: two stereo speakers; One full-size 16 bit AT bus slot: 6.0 pounds; One bay (slim high 1") for 3.5" or 5.25" devices Can house removable disk from 360/750/755; Additional ports: SCSI, audio, speaker, video in, diskette, headphone jack; handle/palm rest;options of the ThinkPad 750 family.Mobile Communications Module\$1,999 Provides transmission of analog and digital data using a cellular telephone. Supported on all 360/750/755 (except 750P).Dock II (Docking Station)\$719 SCSI-2 Fast controller: two stereo speakers; Two full-size 16 bit AT bus slots; 17.6 pounds; Two 5.25" bays (1" high (SL) and 1.5" high HH); Two PCMCIA slots (Type II and III); Many ports including audio, diskette, SCSI; Plug and Play readyPort Replicator Model I \$299 2 Type I or 2 Type II or 1 Type III PCMCIA slots Provides cable management because all the cables attach to Replicator, not the ThinkPadDater y compatibility: 360 750 755 family.Mobile Communications Module\$1,999 Port Replicator Model II \$299 2 Type I or 2 Type II or 1 Type III PCMCIA slots Provides cable management because all the cables attach to Replicator, not the ThinkPadDevert wire or wireless.Port Replicator Model II \$2109\$109Statery Compatibility: Y = battery supported; N = not supported360 750 755 Y N N Y = battery supported; N = not supportedPort Replicator Model II \$109\$109		Advantis <sup>®</sup> network, 2 Flight Disk <sup>®</sup> 1.0, 5 Tr All: <b>3 year</b> - carry in or	Lotus Organizer 1.12, iton CoSessions™ Host, <i>The removed</i>	<ul> <li>Lotus ScreenCam 1.0, 4</li> <li>PRODIGY<sup>®</sup>, 7 Americ diskette drive can be use</li> </ul>	Official Airline Guide a Online <sup>s</sup> , ⑧ SofNet Fa <i>d externally via the optic</i>	axWorks™ 3.0 onal 'FDD External Kit'				
Dock II (Docking Station)       \$719         SCSI-2 Fast controller; two stereo speakers; Two full-size 16 bit AT bus slots; 17.6 pounds; Two 5.25" bays (1" high (SL) and 1.5" high HH); Two PCMCIA slots (Type II and III); Many ports including audio, diskette, SCSI; Plug and Play ready       - Port Replicator II - Quick Charger (not pen models)       FEATURES OF ALL 750 and 755 FAMILY         Port Replicator Model I       \$209       ThinkPad IC memory for 700, 720, 750, and 755 are all compatible.       The 700 and 720 family hard disks, batteries, and docking station are NOT compatible with 750 or 755 family.       Non-disruptive battery exchange         Port Replicator Model I       \$209         2 Type I or 2 Type II or 1 Type III PCMCIA slots Provides cable management because all the cables attach to Replicator, not the ThinkPad Replication of Ports: mouse, keyboard, SVGA, parallel port, serial, diskette port, DC power       Battery compatibility: <u>360</u> 750 755 MiMH battery Y <u>755</u> Y <u>755</u> 30 day money back guarantee 24 hour / 7 day telephone support         Port Replicator Model II       \$109       Winstone 94 for 755C DX4 = 37.8 <u>740 y telephone support</u>	SCSI-1 controller; tw. One full-size 16 bit AT One bay (slim high 1") Can house removable Replication of ports on Additional ports: SCSI	ions Module\$1,999 of analog and digital telephone. 750/755 (except 750P). lem, AMPS cellular, and								
Port Replicator Model I       \$299         2 Type I or 2 Type II or 1 Type III PCMCIA slots       Battery compatibility:       360       750       755         Provides cable management because all the cables attach to Replicator, not the ThinkPad       Battery compatibility:       360       750       755         Replication of Ports: mouse, keyboard, SVGA, parallel port, serial, diskette port, DC power       V = battery supported; N = not supported; N = not support       V Y       Y Y       Y Y         Port Replicator Model II       \$109       Winstone 94 for 755C DX4 = 37.8       Winstone 94 for 755C DX4 = 37.8       V S EPA Energy Star compliant       Dersonalized nameplate in molded indention	Dock II (Docking Stat SCSI-2 Fast controller Two full-size 16 bit AT Two 5.25" bays (1" hig Two PCMCIA slots (T Many ports including a	mouse click 2 batt; discharge button vexchange bernation modes d Director™) preinstalled								
Port Replicator Model II \$109    Winstone 94 for 755C DX4 - 37.8    24 hour /7 day telephone support	Port Replicator Model I       \$299         2 Type I or 2 Type II or 1 Type III PCMCIA slots       750 or 755 family.         Provides cable management because all the cables attach to Replication of Ports: mouse, keyboard, SVGA, parallel port, serial, diskette port, DC power       750 or 755 family.    750 or 755 family.          Battery compatibility:       360       750       755         Battery compatibility:       360       750       750         Battery compatibility:       360       750       755         Battery compatibility:       360       750       755         Battery compatibility:       360       750       750         Battery compatibility:       360       750									
		- +	Winstone 94 for 755C	DX4 = 37.8						

any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business days average turnaround). Overnight repair option in US available for \$99.  $\square$  = Upgradeable  $\bigcirc$  = Removable  $\checkmark$  Price decrease effective May 11, 1995

No warranties are expressed or implied in this summary ~ Withdrawn from marketing (755THINK) Compiled by Roger Dodson, IBM. December 1995

## IBM ThinkPad 755CSE / CE - withdrawn

IBM <sup>®</sup> ThinkPad <sup>®</sup> :	≈ 755CSE ≈ 755CE Th						Pad 755CSE / CE strengths:
Processor type Processor speed Processor / L2 upgrade Removable diskette Removable CD-ROM	dual scan color IntelDX4ä / no L2 cache 100/33 MHz / 3.3 volt Pentium 75/50 MHz whic 256 KB / write-throu Internal 3.5" 1.44 MB O / Supports PCMCIA Cartri Not supported (Disketted	h includes L2 gh / direct ma supports inte dge, TV Tune	apped / 12 r ernal 2.88 M er, or CDPE	P with audio, data/fax modem, telephony ared communication or: 10.4 dual scan or 10.4 Black Matrix TFT movable disk and diskette able keyboard and TrackPoint III grade to Pentium with L2 cache			
Price (retail USD) Type - model Removable disk - size Removable disk - spd Available date	\$ 3,499 ★ \$ 3,849 ★ 9545-6BC 9545-6BD <b>340 MB □</b> 14 ms ○ 14 ms ○	\$4,299 <b>*</b> 9545-6BE <b>810 MB</b> 14 ms O	\$ 4,299 ♣ 9545-7BC <b>340 MB</b> ☑ 14 ms ◯ Oct 1994	\$ 4,649 ◀ 9545-7BD <b>540 MB ☑</b> 14 ms ◯ Oct 1994	\$ 5,09 9545- <b>810 M</b> 14 ms Oct 1	Integrated Mwave <sup>™</sup> DSP provides: ① Data modem function - V.22bis (2400 bps) - V.32 (9600 bps) - V.32bis (14.4 Kbps) ② Fax modem function	
Graphics - controller	VGA color / 640 x 480 256 simultaneous colors Dual scan 10.4 inch / 20 to 1 contra WD90C24A2 with 1 MB I	DRAM	<ul> <li>G3 fax send/receive (14.4 Kbps)</li> <li>Audio function         <ul> <li>Stereo waveform record and playback</li> <li>Qsound™ support (3-D effect)</li> <li>32 voice MIDI wave table synthesizer</li> <li>SoundBlaster™ support</li> </ul> </li> </ul>				
Memory - std / max Mem - sockets empty	Western Digital / Externa VL-Bus 2.0 local bus / 32 8 MB / 40 MB 70 ns / pa 1 socket 2, 4, 8, 16, 32 MB ICs or 4, work on optional Mem	bit / Simulta <b>arity</b> / 5 volt 8, 16 MB DIN	INS that o dapter 2	and CRT / 1 emory upgra 1 open sock y card for 20 new DIMM 1	Ì 80 deg aded via ket for I ) MB m technol	gree tílt a C mem- ax or logy for	- Text to speech (via Monologue)     • Telephone function     - Full telephone (can use opt headset)     - Telephone answering machine     - Full duplex speakerphone
Keyboard / # of keys Keyboard slope Mouse/pointing Ext keyboard support Dimensions	Full size alp/num / 85 (8 Yes (legs pop out) TrackPoint III™ Yes (with option cable) 11.7 x 8.3 x 1.96" (190 ci		1 D N	ax of 40 MB 6 MB JEDEC IMMs on opt lodule Adapte	C 72 pir ional M er.	n SO lemory	PREINSTALLED APPLICATIONS - IBM DOS 6.3 - Windows 3.11 - OS/2 Warp 3.0 (dual boot) w/ BonusPak
Color Weight (with battery) Battery - type Battery - life Charge time - on / off	Black 6.4 pounds Nickel hydride (NiMH) / ir 3.3 to 10 hours 1.7 hrs / 1.2 hrs	,	Liftable access	755CSE / C (pop-up) ke and remove ttery, and m	<ul> <li>CompuServe Info Mgr<sup>™</sup>, IBM Works</li> <li>Internet Connection, Person to Person</li> <li>HyperACCESS Lite<sup>™</sup>, Video IN</li> <li>FaxWorks<sup>™</sup>, MM Viewer<sup>™</sup></li> <li>IBM PC Card Director<sup>™</sup> for PCMCIA</li> </ul>		
Architecture Docking Station Port replicator PCMCIA™ 2.1 slots Serial / parallel ports Other features	AT bus (ISA) Dock I and II Port Replicator I and II <b>2 Type I or 2 Type II or</b> One 9 pin; 16550A / Enh APM-aware BIOS / Wall	anced Paralle		<ul> <li>IBM ThinkPad Demo (except 340 MB mod)</li> <li>Online Users Guide</li> <li>ThinkPad features</li> <li>Lotus<sup>®</sup> cc:Mail™, e-mail for Advantis<sup>®</sup> network</li> <li>Lotus Organizer™ 1.12</li> <li>Lotus ScreenCam™ 1.0</li> </ul>			
DSP function Data/fax modem Audio support Audio in/out jacks Telephone	Mwave MDSP2780 DSP Data/fax modem function 16 bit audio chip on plat Internal speaker (with of Input jack / output jack su Telephone / answering m Infrared ports (front an	with moden on via DSP nar with Mw lial volume c upports nachine / full c	<ol> <li>4. Triton CoSessiona Host</li> <li>5. PRODIGY<sup>®</sup>; 6. America Online<sup>®</sup></li> <li>7. SofNet FaxWorks<sup>™</sup> Voice<sup>™</sup> 3.0</li> <li>8. Video For Windows<sup>™</sup> 1.1 Runtime</li> <li>9. Monologue (text to speech)</li> <li>10. Puma TranXit<sup>™</sup> (infrared function)</li> <li>11. Taxi<sup>™</sup></li> </ol>				
Infrared ports Security	Power-on password / Ha security loop / Keyboard MicroSaver™ cable lock)	rd disk passv lock / locking / PCMCIA ca	ardware	<ul> <li>12. AlphaNet<sup>™</sup> FollowFax<sup>™</sup></li> <li>13. SEDONA<sup>™</sup> REPRINT<sup>™</sup></li> <li>14. COMPEL<sup>™</sup> Personal Edition</li> <li>15. Audiofile<sup>®</sup> TalkWorks<sup>™</sup></li> </ul>			
Preinstalled software Warranty	IBM DOS 6.3, Windows™ <b>3 year</b> - carry in or Easys				listed to	o right:	<ol> <li>Reuters<sup>™</sup> Money<sup>®</sup> Network</li> <li>Mwave Sampler (CD)</li> </ol>
<ol> <li>to reduce weight</li> <li>to insert cellular mo</li> <li>to insert TV Tuner (1)</li> <li>VCR playback)</li> </ol>	hal 'FDD External Kit' closure) to the Port II and Dock I and II. emoved (from UltraBay™) dem (CDPD) for on screen TV and cartridge (Type I, II, or III) skette arty options DE: II 85G1513 olack) 41H9720 66G3689 ment Kit 66G3618 apter 84G2151 rity 92G7253 rity 92G7255	family, 755 - Disks: - Dock I - Dock II - Port Re - 1.44 ME - 2.88 ME Options fo - PCMCI, - Pentiur ThinkPad	5 family: 170 MB I 250 MB I 340 MB I 540 MB I 810 MB I (1 slot / 1 (2 slot / 2 plicator I (w plicator I ( 3 diskette 3 diskette r 755CSE / A Cartridge <b>n/L2 upgra</b>	DE DE DE bay) bay) / PCMCIA) CE: de nemory for 70	66G2 84G2 84G2 84G8 3545( 3546( 66G3 66G3 66G3 std in r 66G0 84G1 85G8	847/9 3391 849 1150 2250 001 5510 5520 newer 1108 301 609	FEATURES OF 755CSE / CE MODELS Discharge battery via mouse click Battery life indicator Non-disruptive battery exchange Standby, suspend, and hibernation modes US EPA Energy Star compliant Personalized nameplate in molded indention Personalization screen at startup SelectaSystem™ capability to select operating system choice 3 year warranty International Warranty Service 24 hour / 7 day telephone, bulletin board, fax, and electronic support IBM or dealer warranty/service Online Housecall (remote diagnostics) 30 day money back guarantee Withdrawn from marketing effective December 1995

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## IBM ThinkPad 755CX - withdrawn

IBM <sup>®</sup> ThinkPad <sup>®</sup> :	<b>≫ 755CX</b> No DSP - 640 x 480	<b>፦ 755CX</b> DSP - 800 x 600	Same as ThinkPad 755CE except includes:
Processor type Coprocessor socket L2 cache Removable diskette Removable CD-ROM	Pentium <sup>®</sup> 75/50 MHz N/A (standard in Pentium) 256 KB / write-through / dir Internal 3.5" 1.44 MB O / su Supports PCMCIA Cartridg	ect mapped / 12 ns / soldered upports internal 2.88 MB diskette	<ul> <li>Pentium 75/50 MHz</li> <li>256 KB L2 cache</li> <li>SVGA 800 x 600 LCD (on some models)</li> <li>Non-parity memory</li> <li>Lithium ion battery (on two models)</li> <li>DOS 7.0 (instead of DOS 6.3) and Mind Path Pro</li> </ul>
	14 ms O Jun 95 / Jun 96 Jun 95 / J	(         9545-HBD         9545-HBE         9545- 85G8555         85G8524         85G75           O         540 MB         810 MB         1.2 Gi           14 ms         14 ms         12 ms           un 96         May 1995         May 1995         Sept 9	HBL 518 - IBM DOS 7.0 SelectaSystem™ B O - Windows 3.11
Display - type Display - colors Display - techology Display - diagonal size	VGA color / 640 x 480 65,536 simultaneous colo Black Matrix TFT - active 10.4 inch / 100 to 1 contrast	matrix	IBM ThinkPad Demo     Online Users Guide     ThinkPad features: Diskette Factory
Graphics - controller Graphics - vendor Graph - arch/data path		MB DRAM SVGA to 1024 x 768 w/ 256 colors (up to 7 it / Simultaneous LCD and CRT / 180 deg	network 75 Hz) 2. Lotus Organizer™ 1.12 gree tilt 3. Lotus ScreenCam™ 1.0
Memory - std / max Mem - sockets empty Mem-options available	8 MB / 40 MB 70 ns / non- 1 socket (parity memory sup 2, 4, 8, 16, 32 MB ICs or 4, work on optional Mem	ported but w/o parity) ① 1 open socket fo 8,16 MB DIMMs that ory card for 40 MB ory Module Adapter ② new DIMM techr	or IC mem- max or       5. Triton CoSession™ Host         6. PRODIGY®;       7. America Online®         nology for       8. SofNet FaxWorks™ Voice™ 3.0         0. Provide FaxWorks™ Voice™ 3.0       9.
Keyboard / # of keys Keyboard slope Mouse/pointing Ext keyboard support	Full size alp/num / 85 (8 Fr Yes (legs pop out) TrackPoint III™ Yes (with option cable)	n key functions) max of 40 MB with 16 MB JEDEC 72 p DIMMs on optional Module Adapter.	bin SO 10. Monologue (text to speech)
Dimensions \Weight (with battery)	11.7 x 8.3 x 1.96" (190 cub 6.1 pounds	ic inches)	14. Farallon <sup>®</sup> Replica™ 15. AlphaNet™ FollowFax™
Battery - type Battery - life	NiMH/intelligent 2.6 to 8 hours Supports		16. SEDONA™ REPRINT™ 17. COMPEL™ Personal Edition 18. Audiofile® TalkWorks™ 19. Reuters <sup>™</sup> Money® Network
Architecture Docking Station Port replicator PCMCIA™ 2.1 slots Serial / parallel ports Other features		Intelligent battery with a proc allow accurate monitoring of I condition and accurate fuel gr ype III EEE P1284-A, EPP, ECP, bidirectional) sal AC adapter (35 watts) / Selectable boo	essor to battery uage. 20. Mind Path™ Presentation F/X Pro
Video function DSP function Data/fax modem Audio support	None None (but can order DSP up None (but can order DSP up None (but can order DSP up	ograde)   Data/fax modem function via ograde)   16 bit audio chip on planar wi	ith Mwave DSP
Audio in/out jacks Telephone Infrared ports	Infrared ports (front and	ograde)   Input jack supports microphone ograde)   Telephone (w/ opt headset) / an back) / IRDA compatible / up to 115 kbs	
Security		disk password / Supervisor password / H ck / locking device keyhole (Kensington™	
Preinstalled software Warranty		11, OS/2 Warp Version 3 and all appls listerv (optional Overnight Repair Service) or c	
Upgradeable or Integ provides:	grated Mwave™ DSP	Compatible in all ThinkPad 360 family, 7 755 family:	
<ul> <li>Qsound<sup>™</sup> support</li> <li>32 voice MIDI w</li> <li>SoundBlaster<sup>™</sup></li> <li>Text to speech (</li> <li>④ Telephone funct</li> </ul>	ps) <b>tion</b> eive (14.4 Kbps) m record and playback ort (3-D effect) ave table synthesizer support via Monologue) <b>ion</b> can use opt headset)	250 MB IDE         840           340 MB IDE         660           540 MB IDE         840           810 MB IDE         840           1.2 GB IDE         850           - Dock I         (1 slot / 1 bay)         354           - Dock II         (2 slot / 2 bay)         354           - Port Replicator I (w/ PCMCIA)         660           - 1.44 MB diskette         std           - 2.88 MB diskette         660           Options for 755CX:         -           - PCMCIA Cartridge         840	32847         32391         S2849         32150         Discharge battery via mouse click         Battery life indicator         38562         Non-disruptive battery exchange         15001         Standby, suspend, and hibernation modes         16001         33510         Personalized nameplate in molded indention         33520         in newer         30108         Hiternational Warranty         Soload, fax, and electronic support         11301         IBM or dealer warranty/service         Online theuroeul (crossed)
- Full duplex spea		CDPD Communications Module 710     Mwave DSP Upgrade 242     ThinkPad IC DRAM memory for 700, 72	20801
-		755 families are all compatible 227, courier service picks up ThinkPad at	All trademarks are the property of their respective owner

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## IBM ThinkPad 755CV - withdrawn

IBM <sup>®</sup> ThinkPad <sup>®</sup> :	⊁ 755CV	Sa	me as ThinkPad 755CE except includes:					
	Projector LCD - DX4		ojector LCD - Pentiu	ım		Overhead projector LCD		
Processor type L2 cache	IntelDX4™ 100/33 MHz None	-	entium® 75/50 MHz 6 KB write-throug	h/12ns	•	Supports optional lithium ion battery		
	to Pentium 75/50 MHz which includes 256 KB L2 cache	1 IIII	direct mappe			Mind Pathä Remote Control IR55 F/X and software		
Removable diskette	Internal 3.5" 1.44 MB m / sup Supports PCMCIA Cartridge	oports inte						
Removable CD-ROM	Not supported (Diskette bay	is called l	JltraBay™)	-		Integrated Mwave™ DSP provides:		
Price Type-model / part Removable disk - size Removable disk - spd Avail / withdrawn date	9545-8BJ <b>540 MB 🗖</b> 14 ms 〇 May 95 / Jun 96	95 <b>81</b> 14 Se	<ul> <li>① Data modem function         <ul> <li>V.22bis (2400 bps)</li> <li>V.32 (9600 bps)</li> <li>V.32bis (14.4 Kbps)</li> <li>② Fax modem function</li> </ul> </li> </ul>					
Display - type Display - colors Display - techology Display - diagonal size Display - projector	VGA color / 640 x 480 65,536 simultaneous colors TFT - active matrix 10.4 inch / 100 to 1 contrast Overhead projector LCD b	ratio	ap)	<ul> <li>G3 fax send/receive (14.4 Kbps)</li> <li>3 Audio function <ul> <li>Stereo waveform record and playback</li> <li>Qsound™ support (3-D effect)</li> <li>32 voice MIDI wave table synthesizer</li> </ul> </li> </ul>				
Graphics - controller Graphics - vendor Graph - arch/data path	WD90C24A2 with 1 MB DRA Western Digital / External SV VL-Bus 2.0 local bus / 32 bit	VGA to 10	)24 x 768 w/ 256 co neous LCD and CF	lors (up to 75 Hz T / 180 degree t	z) tilt	<ul> <li>SoundBlaster™support</li> <li>Text to speech (via Monologue)</li> <li>Telephone function         <ul> <li>Full telephone (can use opt headset)</li> </ul> </li> </ul>		
Memory - std / max Mem - sockets empty Mem-options available	8 MB / 40 MB 70 ns / parity 1 socket / 5 volt 2, 4, 8, 16, 32 MB ICs or 4, 8, work on optional Memor	, 16 MB DI	① 1 oper IMMs that ory card Adapter ② new D	MM technology	or / for	<ul> <li>Full dephone answering machine</li> <li>Full duplex speakerphone</li> <li>Software upgradeable (to 28.8 &amp; DSVD)</li> </ul>		
Keyboard / # of keys Keyboard slope Mouse/pointing Ext keyboard support	TrackPoint III™ Re	key functi cludes Min emote Con 55 F/X	Id Path™ TO MB JE	)	PREINSTALLED APPLICATIONS - IBM DOS 7.0 SelectaSystem <sup>™</sup> - Windows 3.11 - OS/2 Warp 3.0 (dual boot) w/ selected			
Dimensions Color Weight (with battery)	11.7 x 8.3 x 1.96" (190 cubic Black 6.6 pounds	inches)	Liftable (pop-u access and rem disk, battery, a	rive,	BonusPak - IBM PC Card Director™ for PCMCIA - IBM ThinkPad Demo			
Battery - type Battery - life Charge time - on / off	Nickel hydride (NiMH) / intell 3.3 to 10 hours 1.7 hrs / 1.2 hrs <b>all su</b>	igent 2.6 pport opt		<ul> <li>Online Users Guide</li> <li>ThinkPad Features Program</li> <li>Diskette Factory</li> <li>Lotus<sup>®</sup> cc:Mail™, e-mail for Global<sup>®</sup></li> </ul>				
Architecture Docking Station Port replicator PCMCIA™ 2.1 slots Serial / parallel ports Other features	AT bus (ISA) Dock I and II Port Replicator I and II 2 Type I or 2 Type II or 1 Ty One 9 pin; 16550A / one (IEE APM-aware BIOS / Universa	ĖE P1284	or to ery e.	<ol> <li>Lotus Organizer™ 1.12</li> <li>Lotus Organizer™ 1.0</li> <li>Triton CoSession™ Host</li> <li>PRODIGY<sup>®</sup>; 6. America Online<sup>®</sup></li> <li>SofNet FaxWorks™ Voice™ 3.0</li> <li>Video For Windows™ 1.1 Runtime</li> <li>Monologue (text to speech)</li> <li>Puma TranXit™ (infrared function)</li> <li>Taxi™</li> <li>AlphaNet™ FollowFax™</li> <li>SEDONA™ REPRINT™</li> </ol>				
DSP function Data/fax modem Audio support Audio in/out jacks Telephone	Mwave MDSP2780 DSP with Data/fax modem function with 16 bit audio chip on planar Internal speaker (with dial Input jack / output jack Telephone (w/ opt headset) /	via DSP r with Mw volume c	ne					
Infrared ports	Infrared ports (front and ba	ack) / IRD	A compatible / up	to 115 kbs		14. COMPEL <sup>™</sup> Personal Edition		
Security	Power-on password / Hard d security loop / Keyboard lock MicroSaver™ cable lock) / P	<pre></pre> / locking	device keyhole (Ke	assword / Hardw ensington™	vare	<ol> <li>Audiofile<sup>®</sup> TalkWorks™</li> <li>Reuters<sup>SM</sup> Money<sup>®</sup> Network</li> <li>Asymetrix 3D F/X</li> </ol>		
Preinstalled software Warranty	IBM DOS 7.0, Windows™ 3.1 3 year - ThinkPad EasyServ	1,OS/2 W (optional	arp Ver 3, and all a Overnight Repair C	ppls listed to righ Option) or carry-i	ht: in	18. Mind Path <sup>™</sup> Presentation F/X Pro		
<ul> <li>Wireless, hand held r</li> <li>Uses infrared to com away</li> <li>Includes 5 buttons for</li> <li>Permits full control of Includes Mind Path Pr</li> <li>Allows 20 real-time sp</li> </ul>	emote control municate up to 45 feet r instant effects mouse esentation F/X software pecial effects	Compatib family, 75 - Disks: - Dock I - Dock I	170 MB IDE 250 MB IDE 340 MB IDE 540 MB IDE 810 MB IDE 1.2 GB IDE (1 slot / 1 bay)	50 family, 750 66G2847 84G239 66G2845 84G2150 84G2150 84G8250 85G8562 3545001 3546001	1 9 0 2 I	FEATURES OF 755CV MODELS Discharge battery via mouse click Battery life indicator Non-disruptive battery exchange		
<ul> <li>Includes zoom, telest magnify, and others</li> <li>Works with all Windo</li> <li>Easy-Setup by holding</li> <li>ThinkPad 755CV support</li> </ul>	ws applications F1 when turning on	0 0 er 8	Standby, suspend, and hibernation modes US EPA Energy Star compliant Personalized nameplate in molded indention Personalization screen at startup International Warranty Service 24 hour / 7 day telephone, bulletin					
<ul> <li>NiMH Battery Pack II</li> <li>Lithium Ion</li> <li>Li-Ion Battery Pack II</li> </ul>	85G1513 85G8561 (Pentium only) 29H9329 emory for 700, 720, 750,	- PCMCI - TVTun - FDDEx - Pentiu	IA Cartridge	4 mod) 85G8609	9 8 <b>9</b>	board, fax, electronic, and Internet (http://www.pc.ibm.com) support IBM or dealer warranty/service Online Housecall (remote diagnostics)		

ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business days average turnaround). Overnight repair option in US available for \$99. ■ = Upgradeable O = Removable; >> = Withdrawn from marketing All trademarks are the property of their respective owners No warranties are expressed or implied in this summary (755CV) Compiled by Roger Dodson, IBM. October 1996

## IBM ThinkPad 755CD - withdrawn

IBM <sup>®</sup> ThinkPad <sup>®</sup> :	፦ <b>755CD</b> TFT color - DX4		Thin	kPad 755CD strengths over 755CE / CSE:				
Processor type L2 cache Processor / L2 upgrade Removable diskette	IntelDX4™ 100/33 MI None	z which ? cache	64 bit to	MHz ough / 12 ns apped / soldered L2 / 32 bit to mem	⇔ Re ⇔ Vie ⇔ Jo	obile multimedia - exceeds MPC2 standard emovable, double speed, 5.25" CD-ROM deo card (acceleration, composite in/out) pystick/MIDI port ereo speakers		
Removable CD-ROM	Supports PCMCIA Ca 5.25" CD-ROM O / d		The left bay (UltraBay™) supports either the standard diskette drive or standard					
Price Type - model Removable disk - size Avail / withdrawn date	540 MB / 14 ms 81	45-9BE <b>0 MB</b> / 14 ms ct 94 / Jun 96	CD-ROM. CD-ROM ships in this bay from factory.					
Display - type Display - techology Display - diagonal size	VGA color / 640 x 48 Black Matrix TFT - a 10.4 inch / 100 to 1 co	ctive matrix		remove CD-ROM, diskette drive, disk, battery, and memory				
Graphics - controller Graphics - vendor Graph - arch/data path	WD90C24A2 with 1 M Western Digital / Extern VL-Bus 2.0 local bus	ernal SVGA to 1				Integrated Mwave <sup>™</sup> DSP provides: ① <b>Data modem function</b> - V.22bis, V.32, V.32bis (14.4 Kbps)		
Memory - std / max Mem - sockets empty Mem-options available		or 4, 8, 16 MB [	Adaptor Memol	ry upgraded via en socket for IC m	iem-	<ul> <li>2 Fax modem function         <ul> <li>G3 fax send/receive (14.4 Kbps)</li> <li>3 Audio function                 <ul> <li>Stereo waveform record and playback</li> <li>Qsound support (3-D effect)</li> </ul> </li> </ul> </li> </ul>		
Keyboard / # of keys Keyboard slope Mouse/pointing Ext keyboard support	Full size alp/num / 85 Yes (legs pop out) TrackPoint III™ Yes (with option cable		tions) ory car @ new max of MB JE	d for 20 MB max of DIMM technology 40 MB with 4, 8, of DEC 72 pin SO D	or for or 16 IMMs	<ul> <li>- 32 voice MİDİ wave table synthesizer</li> <li>- SoundBlaster™ support;Text to speech</li> <li>④ Telephone function</li> <li>- Full telephone (can use opt headset)</li> </ul>		
Dimensions Color Weight(w/batt/CD-ROM)	11.7 x 8.3 x 2.2" (214 Black 7.3 pounds	cubic inches)	on opti Adapte	onal Memory Mod er.	ule	<ul> <li>Telephone answering machine</li> <li>Full duplex speakerphone</li> <li>Software upgradeable (to 28.8 &amp; DSVD)</li> </ul>		
Battery - type Battery - life Charge time - on / off	Nickel hydride (NiMH 3 to 9 hours 1.7 hrs / 1.2 hrs	) / intelligent	s Li-Ion	PREINSTALLED APPLICATIONS - IBM DOS 6.3 (DOS 7.0 on Pentium mod)				
Architecture Docking Station Port replicator PCMCIA™ 2.1 slots Serial / parallel ports Other features	AT bus (ISA) Dock I and II Port Replicator I and <b>2 Type I or 2 Type II</b> One 9 pin; 16550A / c APM-aware BIOS / U	or 1 Type III ne (IEEE P1284	MA	<ul> <li>Windows 3.11 (dual boot)</li> <li>OS/2 Warp 3.0 w/ selected BonusPak</li> <li>IBM PC Card Director™ for PCMCIA</li> <li>IBM ThinkPad Demo</li> <li>Online Users Guide</li> <li>ThinkPad Features</li> <li>Lotus<sup>®</sup> cc:Mail™, e-mail for Advantis<sup>®</sup> network; 2. Lotus Organizer™ 1.12</li> <li>Lotus ScreenCam™ 1.0</li> <li>Triton CoSession™ Host</li> <li>PRODIGY<sup>®</sup>; 6. America Online<sup>®</sup></li> <li>SofNet FaxWorks™ Voice™ 3.0</li> <li>Video For Windows™ 1.1 Runtime</li> <li>Monologue (text to speech)</li> </ul>				
Video function (below) DSP function Data/fax modem Audio support Audio in/out jacks Telephone	Daughtercard with w Mwave MDSP2780 D Data/fax modem fun 16 bit audio chip on Int stereo speakers Input jack / output jac Telephone / answering	DSP with model ction via DSP planar with My 5 watts (with d k g machine / full	ne					
Infrared ports Security	Infrared ports (front Power-on password / security loop / Keyboa MicroSaver™ cable l	Hard disk pass ard lock / Lockin	word / Supervisor ig device keyhole (	password / Hardv	vare	_ 10. Puma TranXit™; 11. Taxi <sup>™</sup> 12. AlphaNet™FollowFax™ 13. REPRINT™; 14. COMPEL™ PE 15. TalkWorksू™; 16. Reuters <sup>SM</sup> Money <sup>®</sup> Net		
Preinstalled software Warranty	IBM DOS, Windows™ <b>3 year</b> - ThinkPad Ea	' 3.11, OS/2 Wa syServ (optiona	rp 3.0, and all app I Overnight Repair	ls listed to right: Service) or carry-	-in	<ul> <li>17. Asymetrix<sup>®</sup> Digital video Producer<sup>™</sup></li> <li>18. Mind Path<sup>™</sup> Presentation F/X Pro</li> <li>19. CD-ROM Catalog/Sampler</li> </ul>		
<ul> <li>video with scaling ar Video may be scaler frame rate degredati</li> <li>Composite in and S capture (capture and or VCR), still image digitize still photo im video on LCD like w camcorder without of can hook up a TV or ThinkPad screen.</li> <li>Composite out and (connect to video or or record on a VCR 755CD screen.</li> <li>Mini game port for MIDI/joystick cable)</li> <li>Includes a video in a (includes two video in a</li> </ul>	teo for Windows <sup>™</sup> mot nd interpolation of imac d up to full screen with S-Video in for video d digitize video from a capture (capture and iages), and overlay (vid ith a TV, VCR, or apturing it to disk). Sc r VCR and run it on the S-Video out to TV is if an external display ut port; NTSC or PAL); the contents of the MIDI or joystick (includ and video out port	ion je. out TV = - Disks: - Disks: - Disks: - Disks: - Disks: - Disks: - Disks: - Dock - Port F - - 1.44 M - 2.88 M - Potions - PCMC - NiMH - Lithiur - CDPE - - Disks: - - - - - - - - - - - - -	250 MB IDE 340 MB IDE 540 MB IDE 810 MB IDE 1.2 GB IDE I (1 slot / 1 bay)	66G284: 84G239 66G284; 84G2150 85G856; 3545001 3545001 0 3545001 0 3545001 0 3545001 0 3545001 0 3545001 40G3520 84G130 85G151; ium only) 85G856 um only) 29H9325 71G2566 nt Kit 66G3618	1	To use diskette and CD-ROM simultane- ously, need FDD External Kit and one of four docking solutions ThinkPad IC DRAM memory for 700, 720, 750, 755 families are all compatible <b>FEATURES OF 755CD MODELS</b> Discharge battery via mouse click Battery life indicator Non-disruptive battery exchange Standby, suspend, and hibernation modes US EPA Energy Star compliant Personalized nameplate in molded indention Personalization screen at startup International Warranty Service 24 hour /7 day telephone, bulletin board, fax, electronic, and Internet (http:\\www.pc.ibm.com) support IBM and dealer warranty/service Online Housecall (remote diagnostics)		

ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business day average turnaround). Overnight repair option in US available for \$99. □ = Upgradeable; O = Removable; > = Withdrawn from marketing All trademarks are the property of their respective owners No warranties are expressed or implied in this summary (755CD) Compiled by Roger Dodson, IBM. June 1996

# IBM ThinkPad 755CDV - withdrawn

oint III™ Path	Pentium® 75/5/ 256 KB write-t direct 64 bit rts internal 2.88 M diskette bay ed / multi-sessic 9545GBK 810 MB / 14 ms Sept 95 / Oct 96 simultaneous cc o emoving back (in DRAM A to 1024 x 768 w. imultaneous LCD non-parity MB DIMMs that Iodule Adapter / functions) cdes Mind Remote trol IR55 F/X nes) Nickel hydride ( 2.5 to 8 hours 1.7 hrs / 1.2 hrs Easy-Setu when turning	D MHz through / 12ns mapped / solder to L2 / 32 bit to r B diskette on and XA / from 9545-GBL 1.2 GB / 12m 9545-GBL 1.2 GB / 12m Sept 95 / Oct slors cludes Stand a / 256 colors (up and CRT / 180 Memory upgrade D 1 open socket pro card for 40 N D mew DIMM teo max of 36 MB wi MB JEDEC 72 p pon optional Mem Adapter. NiMH) / smart L p is entered by h	red mem nt loaded ns t 96 and Strap) to 75 Hz) degree tilt ed via t for IC mem MB max or chnology for rith 4, 8, or 1 bin SO DIMM hory Module Supports opt .ithium ion	<ul> <li>IBM DOS 7.0 SelectaSystem<sup>™</sup></li> <li>Windows 3.11</li> <li>OS/2 Warp 3.0 (dual boot) w/ selected BonusPak</li> <li>IBM PC Card Director<sup>™</sup> for PCMCIA</li> <li>IBM PC Card Demo</li> <li>Online Users Guide</li> <li>ThinkPad Features; Diskette Factory</li> <li>Lotus<sup>®</sup> cc:Mail<sup>™</sup>, e-mail for Global<sup>®</sup> network; 2. Lotus Organizer<sup>™</sup> 1.12</li> </ul>		
um 75/50 MHz which es 256 KB L2 cache 3.5" 1.44 MB ○ / suppo bs PCMCIA Cartridge in 0 D-ROM ○ / double spe BJ 57 J 4 ms 67 J 4 ms 67 J 4 ms 77 J	direct 64 bit rts internal 2.88 M diskette bay eed / multi-sessic 9545GBK 810 MB / 14 ms Sept 95 / Oct 96 simultaneous cc o emoving back (in DRAM A to 1024 x 768 w. imultaneous LCD non-parity MB DIMMs that f dodule Adapter functions) (ides Mind Remote f trol IR55 F/X (ines) Nickel hydride ( 2.5 to 8 hours 1.7 hrs / 1.2 hrs Easy-Setu when turning	mapped / solder to L2 / 32 bit to r IB diskette on and XA / from 9545-GBL 1.2 GB / 12m Sept 95 / Oct olors cludes Stand a / 256 colors (up and CRT / 180 Memory upgrade D 1 open socket ory card for 40 M D max of 36 MB wi MB JEDEC 72 p on optional Mem Adapter. NiMH) / smart S	red mem nt loaded ns t 96 and Strap) to 75 Hz) degree tilt ed via t for IC mem MB max or chnology for chnology for c	Supports optional lithium ion battery Mind Path™ Remote Control IR55 F/X         Integrated Mwave™ DSP provides:         ① Data modem function - V.22bis (2400 bps) - V.32 (9600 bps) - V.32 (9600 bps)         · V.32 (9600 bps) - V.32 bis (14.4 Kbps)         ② Fax modem function - G3 fax send/receive (14.4 Kbps)         ③ Audio function - G3 fax send/receive (14.4 Kbps)         ③ Audio function - Stereo waveform record and playback - Qsound™ support (3-D effect) - 32 voice MIDI wave table synthesizer - SoundBlaster™ support; Text to speech         ④ Telephone function - Full telephone (can use opt headset) - Telephone answering machine - Full duplex speakerphone         · Software upgradeable (to 28.8 & DSVD)         PREINSTALLED APPLICATIONS - IBM DOS 7.0 SelectaSystem™ 6 - Windows 3.11 - OS/2 Warp 3.0 (dual boot) w/ selected BonusPak - IBM PC Card Director™ for PCMCIA - IBM ThinkPad Demo - Online Users Guide - ThinkPad Features; Diskette Factory 1. Lotus® cc:Mail™, e-mail for Global® network; 2. Lotus Organizer™ 1.12		
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ware BIOS / Universal A	P1284-A, EPP, E	<ol> <li>Lotus ScreenCam<sup>™</sup> 1.0</li> <li>Triton CoSession<sup>™</sup> Host</li> <li>PRODIGY<sup>®</sup>; 6. America Online<sup>®</sup></li> <li>SofNet FaxWorks<sup>™</sup> Voice<sup>™</sup> 3.0</li> <li>Video For Windows<sup>™</sup> 1.1 Runtime</li> <li>Monologue (text to speech)</li> <li>Puma TranXit<sup>™</sup>; 11. Taxi<sup>™</sup></li> </ol>				
tercard with video acce MDSP2780 DSP with n x modem function via l udio chip on planar wi l stereo speakers .5w ( k / output jack one / answering machine	eleration, compo nodem, fax, audi DSP th Mwave DSP w/ dial volume co e / full duplex spea	<ul> <li>12. AlphaNet<sup>™</sup> FollowFax<sup>™</sup></li> <li>13. REPRINT<sup>™</sup>; 14. COMPEL<sup>™</sup> PE</li> <li>15. TalkWorks<sup>™</sup>; 16. Reuters<sup>SM</sup> Money<sup>®</sup> Net</li> <li>17. Asymetrix<sup>®</sup> Digital Video Producer<sup>™</sup></li> <li>18. Mind Path<sup>™</sup> Presentation F/X Pro</li> <li>19. Asymetrix 3D F/X</li> <li>20. CD-ROM Catalog/Sampler</li> </ul>				
on password / Hard disk / loop / Keyboard lock / L	password / Supe ocking device key	rvisor password	d / Hardware	The left bay (UltraBay <sup>™</sup> ) supports either the standard diskette drive or standard CD-ROM. CD-ROM ships in this bay from factory.		
S 7.0, Windows™ 3.11, 0	OS/2 Warp Versior					
DV provides: indows'ä motion olation of image. ill screen without n for video video from a TV (capture and	ompatible in all Th mily, 755 family: Disks: 170 ME 250 ME 340 ME 540 ME 810 ME 1.2 GE	inkPad 360 fami 3 IDE 3 IDE 3 IDE 3 IDE 3 IDE 3 IDE 3 IDE 3 IDE	ily, 750 66G2847/9 84G2391 66G2849 84G2150 84G8250 85G8562	docking solutions Liftable (pop-up) keyboard to access and remove CD-ROM, diskette drive, disk, battery, and memory Exceeds MPC2 standard		
vorted by (view of the vorted by (view of the vorted by view	Dock II (2 slot / Port Replicator I ( Port Replicator I ( Port Replicator II 2.88 MB diskette ptions for 755CDV NiMH Battery Pac Lithium Ion batter Li-Ion Batt Pack II CDPD Mobile Mo PCMCIA Cartridg <b>Pentium/L2 upg</b> Cooling Fan Kit (fninkPad IC DRAM	/ 2 baý) w/ PCMCIA) :: ck II y ( (Pentium only) dule e <b>ade</b> (DX4 mod) or overhead) memory for 700	3546001 66G3510 66G3520 66G0108 85G1513 85G8561 29H9329 71G2560 84G1301 <b>29H8755</b> 29H8000	FEATURES OF 755CDV MODELS Discharge battery via mouse click Battery life indicator Non-disruptive battery exchange Standby, suspend, and hibernation modes US EPA Energy Star compliant Personalized nameplate in molded indention Personalization screen at startup International Warranty Service 24 hour / 7 day telephone, bulletin board, fax, electronic, and Internet (http://www.pc.ibm.com) support IBM warranty/service Online Housecall (remote diagnostics)		
	ne / answéring machine <b>ports (front and back</b> n password / Hard disk loop / Keyboard lock / L /er cable lock) / PCMC 57.0, Windows™ 3.11, ( ThinkPad EasyServ (op V provides: ndows'ä motion lation of image. I screen without for video video from a TV capture and d overlay (view VCR, or t to disk). So d run it on the out to TV ternal display TSC or PAL); nts of the uystick (includes out port les) deo Producerä r calls 1-800-772-2227, Is back (no shipping cha nd). Overnight repair on	ne / answering machine / full duplex speal <b>ports (front and back) / IRDA compati</b> n password / Hard disk password / Supe loop / Keyboard lock / Locking device key /er cable lock) / PCMCIA card lock 5.7.0, Windows™ 3.11, OS/2 Warp Version ThinkPad EasyServ (optional Overnight I DV provides: ndows'ä motion lation of image. I screen without for video video from a TV sapture and d overlay (view VCR, or it to disk). So d run it on the out to TV ternal display TSC or PAL); nts of the vystick (includes out port les) deo Producerä T calls 1-800-772-2227, courier service pick ls back (no shipping charges, most shippin	ne / answering machine / full duplex speakerphone <b>ports (front and back) / IRDA compatible / up to 115</b> n password / Hard disk password / Supervisor password loop / Keyboard lock / Locking device keyhole (Kensingt /er cable lock) / PCMCIA card lock 57.0, Windows™ 3.11, OS/2 Warp Version 3 and all appls ThinkPad EasyServ (optional Overnight Repair Option) of DV provides: ndows'ā motion lation of image. I screen without for video video from a TV capture and d overlay (view VCR, or it to disk). So d run it on the out to TV ternal display TSC or PAL); nts of the vystick (includes out port les) deo Producerä r calls 1-800-772-2227, courier service picks up ThinkPad ac s back (no shipping charges, most shipping is overnight, nd). Overnight repair option in US available for \$99.	ne / answering machine / full duplex speakerphone         ports (front and back) / IRDA compatible / up to 115 kbs         n password / Hard disk password / Supervisor password / Hardware         loop / Keyboard lock / Locking device keyhole (Kensington™         ver cable lock) / PCMCIA card lock         S7.0, Windows™ 3.11, OS/2 Warp Version 3 and all appls listed to right         ThinkPad EasyServ (optional Overnight Repair Option) or carry-in         DV provides:         ndows'ä motion         lation of image.         l screen without         h for video         video from a TV:         apture and         d overlay (view         VCR, or         it to disk). So         d run it on the         out to TV         erand display         TSC or PAL);         nts of the         vystick (includes         out port         les)         deo Producerä         vertas 1-800-772-2227, courier service picks up ThinkPad at         s back (no shipping charges, most shipping is overnight, mol, Overnight repair option in US available for \$99.		

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## IBM ThinkPad 760L - withdrawn

IBM <sup>®</sup> ThinkPad <sup>®</sup> :	중 760L 10.4" TFT color			т	hink	Pad 760L strengths:		
Processor type Processor speed Processor upgrade L2 cache Removable diskette	Pentium <sup>®</sup> (P54LM) / 64 bi 90/60 MHz to Pentium 120/60 MHz 256 KB / write-through / dir Internal 3.5" 1.44 MB O / n	ect mapped / 10 ns o rear connector fo	s / synchronous / solde or diskette drive	ered	> Ultr > Two > Inte	omated tilt up keyboard / palm rest space raBay: 2nd disk, 2nd battery, diskette o high speed infrared ports egrated audio / speakers / microphone 7 million simultaneous color LCD		
	None (diskette bay is caller           9547-U01         9547-U0           SelectaSys         Window           9547U01         9547U0           Feb 96 / Oct 96         Feb 96 /           810 MB / 13 ms / EIDEO         EIDEO	A Pallette o 9547-U0 s 95 Blank A 9547U0F	N 1. 6.	<u>7</u> lo inte .74" h .5 lbs	nces between 760L and 760LD: 760L 760LD rnal CD-ROM Removable CD-ROM eight 1.96" height / 169 cu in 7.11 lbs / 190 cu in rts 12 mm disks Supports 1.2 GB disks			
Display - diagonal size Display - type Display - techology	VGA color / 640 x 480 / 16 Black Matrix TFT - active	matrix / 100 to 1 c		2. N	.16 G	16 GB max capacity 2.4 GB max capacity o ext FDD port Ext. FDD port on back		
Graphics - controller Graphics - external Graph - arch/data path	Trident™ CYBER9320 with External SVGA to 1024 x 7 VL-Bus 2.0 local bus / 32 b	'68 w/ 256 colors u it / Simultaneous L	CD/CRT / 180 degre	e tilt				
Memory - std / max Mem - upgrade Keyboard / # of keys	8 MB / 64 MB 70 ns / non 2 sockets for two JEDEC 88 Full size alp/num / 85 (8 F	pin EDO SO DIMM			<i>, ,</i>	SELECTASYSTEMPRELOAD		
Keyboard slope Pointing / palm rest	Automted tilt up keyboar TrackPoint III™ / integrate Yes (with option cable)	d (5.5 degrees)	access and remove drive, 1st/2nd disk 1st/2nd battery	ediskett		<ul> <li>IBM DOS 7.0</li> <li>Windows 3.11</li> <li>OS/2 Warp 3.0 (dual boot) w/ selected BonusPak</li> </ul>		
Weight (with battery) Battery - type Battery - life (1 batt) Battery - life (2 batt)	11.7 x 8.3 x 1.74" (169) 6.51 pounds NiMH / intelligent / <i>Optiona</i> 3 hours 6 hours 1.7 hrs / 1.2 hrs	l Lithium Ion		<ul> <li>IBM PC Card Director<sup>™</sup> 3.0</li> <li>Online Users Guide</li> <li>ThinkPad Features Program</li> <li>Diskette Factory</li> <li>Triton CoSession<sup>™</sup> Host</li> <li>PRODIGY<sup>®</sup></li> </ul>				
Architecture Docking Station Port replicator PCMCIA™ 2.1 slots Serial / parallel ports Other features	ISA (EIDE, audio, PCMCIA VL-Bus 2.0 / 32 bit / 33 MH Dock I and II Port Replicator I and II 2 Type I or 2 Type II or 1 T One 9 pin; 16550A / one (II APM-aware BIOS / University)	iz (graphics) Type III EEE P1284-A, EPF	)	<ol> <li>SofNet FaxWorks<sup>™</sup></li> <li>Video For Windows<sup>™</sup> 1.1 Runtime</li> <li>Puma TranXit<sup>™</sup></li> <li>CompuServ for Windows</li> <li>NetFinity for Windows and OS/2</li> <li>WINDOWS 95 PRELOAD</li> </ol>				
Motion video accel MPEG decoder DSP function Data/fax modem Audio support Audio in/out jacks Infrared ports Telephone	None None 16 bit audio chip / 18 void Int stereo speakers / .5 w Input jack (3.5 mm) / output Infrared ports (front and None	<b>att / slide voľume</b> t jack (3.5 mm)	-	ne	<ul> <li>Microsoft Windows 95</li> <li>Online User's Guide</li> <li>ThinkPad Features Program</li> <li>Diskette Factory</li> <li>Triton CoSession™ Host</li> <li>PRODIGY<sup>®</sup></li> <li>SofNet FaxWorks™</li> <li>Puma TranXit™</li> <li>Compuserv for Windows</li> <li>Net Fight 6ar Windows 05</li> </ul>			
Security	Power-on password / Hard device keyhole (Kensingto keyboard and DIMMS (req	n™ MicroSaver™ o	able lock) / Security l		<u>j</u>	9. NetFinity for Windows 95		
Preinstalled software Warranty	Choice of two preloaded co 3 year - ThinkPad EasySe			carry-in				
The left bay (UltraBay ① 2nd disk ② 2nd battery ③ std diskette drive ④ 2.88 MB diskette drive	/ä) supports:	Compatible in Th	inkPad 760 family: 0/755 IDE disks not s II EIDE 12.5 mn II EIDE 12.5 mn	upporteo n 29H938 n 29H93	d) 83 13	FEATURES OF 760 MODELS		
<ul> <li>S PCMCIA Cartridge (option)</li> <li>IBM Wireless Modem for ARDIS (option)</li> <li>IBM Wireless Modem for Cellular/CDPD (option)</li> <li>BBM Wireless Modem for Cellular/CDPD - Dock I (1 slot / 1 bay)</li> <li>Bock I (1 slot / 2 bay)</li> <li>Dock II (2 slot / 2 bay)</li> <li>Port Replicator I (w/ PCMCIA)</li> <li>66G</li> <li>Port Replicator II</li> <li>66G</li> </ul>						Product Map; LCD indicator panel LCD of remaining battery life LCD icons for two batteries Plug and Play 1.0a Discharge battery via mouse click Non-disruptive battery exchange		
turning on. All 760 systems supp battery in both battery Maximum internal dis	,	<ul> <li>2.88 MB diske</li> <li>PCMCIA Cartr</li> <li>760 NiMH Bat</li> <li>Li-lon Battery</li> <li>Travel Quick C</li> <li>FDD External</li> </ul>	66G010 84G130 <b>41H972</b> <b>29H932</b> 85G152 66G36	01 20 29 22	Standby, suspend, and hibernation modes US EPA Energy Star compliant Personalized nameplate in indention Personalization screen at startup International Warranty Service			
2.16 GB with two 1.08		Pentium 120/     Car Battery Ac     ThinkPad AC     8 MB SO DIMM     16 MB SO DIMM     ThinkPad head	60 MHz upgrade dapter Adapter (50 watts) 13.3v non-parity EDO M 3.3v non-parity EDO set	29H934 49G210 66G354 92G731 92G731 85G130	<b>40</b> 67 41 15 16 01	24 hour / 7 day telephone, bulletin board, fax, electronic, and Internet (http://www.pc.ibm.com) support IBM and dealer warranty/service Online Housecall (remote diagnostics)		

ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business day average turnaround). Overnight repair option in US available for \$99. O = Removable All trademarks are the property of their respective owners No warranties are expressed or implied in this summary (760L) Compiled by Roger Dodson, IBM. October 1996

### IBM ThinkPad 760LD - withdrawn

IBM <sup>®</sup> ThinkPad <sup>®</sup> :	≫ 760LD		hinkPad 760LD strengths:			
Processor type Processor upgrade L2 cache Removable diskette Removable CD-ROM	10.4" TFT color - CD-ROM Pentium® 90/60 MHz (P5 to Pentium 120/60 MHz 256 KB / write-through / dii 3.5" 1.44 MB O / use in Uli 5.25" CD-ROM O / 4 x spec EIDE / PIO Mode 3 (ATAPI)	4LM) / 64 rect mapp traBay or a	ed / 10 ns / s attach extern	ynchronous / sold ally to FDD attach	ered port	Removable, 4 x speed, 5.25" CD-ROM Automated tilt up keyboard / palm rest space UltraBay: 2nd disk, 2nd battery, diskette Two high speed infrared ports Integrated audio / speakers / microphone 16.7 million simultaneous color LCD
Price Type - model (part) Preload (see side) Avail / withdrawn date Remv disk - size / ms	SelectaSystem	9547-U3A Windows 9 Feb 96 / O / PIO Moc	The left bay (UltraBay™) supports: ① 2nd disk ② 2nd battery ③ std diskette drive ④ std CD-ROM			
Display - diagonal size Display - type Display - techology	VGA color / 640 x 480 / 1 Black Matrix TFT - active	matrix / 1	00 to 1 conti			<ul> <li> <sup>(1)</sup> <sup>(2)</sup> /li></ul>
• •	Tridentä CYBER9320 with External SVGA to 1024 x 7 VL-Bus 2.0 local bus / 32 b	768 w/ 256 bit / Simuli	colors up to aneous LCD	and CRT / 180 de	egree tilt	CDPD (option) SELECTASYSTEM PRELOAD
Memory - std / max Memory - upgrade	8 MB / 64 MB 70 ns / non 2 sockets for two JEDEC 88				e fast pag	e) - IBM DOS 7.0
Keyboard / # of keys Keyboard slope Pointing / palm rest Ext keyboard support	Full size alp/num / 85 (8 F Automated tilt up keyboa TrackPoint III™ / integrat Yes (with option cable)	<b>ard</b> (Ś.5 de	grees)			<ul> <li>Windows 3.11</li> <li>OS/2 Warp 3.0 (dual boot) w/ selected BonusPak</li> <li>IBM PC Card Director™ 3.0</li> <li>Online Users Guide</li> </ul>
Dimensions Weight (with CD-ROM)	11.7 x 8.3 x 1.96" (190 cub 7.11 pounds ) 7	bic inches)		oop-up) keyboard	to acces	- ThinkPad Features Program - Diskette Factory
Battery - type Battery - life (1 batt) Battery - life (2 batt) Charge time - on / off	NiMH / intelligent Option	nal m Ion	<ul> <li>a. Triton CoSessión™ Host</li> <li>2. PRODIGY<sup>®</sup></li> <li>3. SofNet FaxWorks™</li> <li>4. Video For Windows™ 1.1 Runtime</li> <li>5. Puma TranXit™</li> </ul>			
Architecture Docking Station Port replicator PCMCIA™ 2.1 slots Serial / parallel ports Other features	ISA (EIDE, audio, PCMCIA VL-Bus 2.0 / 32 bit / 33 Mh Dock I and II Port Replicator I and II 2 Type I or 2 Type II or 1 <sup>-1</sup> One 9 pin; 16550A / one (I APM-aware BIOS / Univer	iz (graphic Type III EEE P128	s) 4-A, EPP, E0	CP, bidirectional)	6. CompuServi for Windows 7. NetFinity for Windows and OS/2 WINDOWS 95 PRELOAD - Microsoft Windows 95 - Online User's Guide - ThinkPad Features Program	
Motion video accel MPEG decoder DSP function Data/fax modem Audio support Jacks Telephone	None None None <b>16 bit audio chip / 18 void</b> Int stereo speakers / .5 w Input jack (3.5 mm) / Outpu None	att / slide	volume con	/ ESS1688 ttrol / internal mic	Diskette Factory     I. Triton CoSession™ Host     2. PRODIGY®     3. SofNet FaxWorks™     4. Puma TranXit™	
Infrared ports	Infrared ports (front and	,				
Security	Power-on password / Hard device keyhole (Kensingto keyboard and DIMMS (req	on™ Micros juires Ken	Saver™ cabl sington) / PC	e lock) / Security Card lock		
Preinstalled software Warranty	Choice of two preload cont 3 year - ThinkPad EasySe	figurations rv (optiona	(listed to rigl al Overnight	ht) Repair Option) or	carry-in	
	760L/LD and 760C/CD:	- Disks	: (360/750/7	Pad 760 family: 55 IDE disks not s		
None None None 18 voice FM synthesis NiMH battery Type is 9547 All 760 systems suppo battery in both battery	bay and UltraBay. k capacity on 760LD is	810 1.08 1.20 Seco Dock Dock Port I 2.88 PCM <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b> <b>Care</b>	nd HDD Ada I (1 slot / 1 k Replicator I ( Replicator I ( MB diskette CIA Cartridge <b>imH Battery Pa</b> el Quick Char External Atta <b>ium 120/60 I</b> eattery Adapi Pad AC Ada SO DIMM 3.3	EIDE 12.5 mn EIDE 12.5 mn D/CD only)17 mn pter bay) w/ PCMCIA) w/ PCMCIA) ck II (gray) rger achment Kit MHz upgrade	n 29H938 n 29H931 n 29H931 29H932 29H933 354500 354600 84G135 66G351 66G352 66G010 84G130 84G130 84G130 66G361 29H932 85G152 66G364 49G216 66G354 92G731 92G731	<ul> <li>3</li> <li>Easy-Setup is entered by holding F1 when turning on.</li> <li>FEATURES OF 760 MODELS</li> <li>Product Map; LCD indicator panel Plug and Play 1.0a Discharge battery via mouse click Non-disruptive battery exchange Standby, suspend, and hibernation modes US EPA Energy Star compliant Personalized nameplate in indention Personalized nameplate in indention Nord, fax, electronic, and Internet (http://www.pc.ibm.com) support IBM and dealer warranty/service</li> <li>Online Housecall (remote diagnostics)</li> </ul>

ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business day average turnaround). Overnight repair option in US available for \$99. O = Removable

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### IBM ThinkPad 760C - withdrawn

IBM <sup>®</sup> ThinkPad <sup>®</sup> :	★ 760C 12.1" or 10.4" TFT color		Think	Pad 760C strengths:			
Processor type Processor speed Processor upgrade L2 cache Removable diskette Removable CD-ROM	Pentium <sup>®</sup> (P54LM) / 64 b 90/60 or 120/60 MHz (see to Pentium 120/60 MHz 256 KB / write-through / di Internal 3.5" 1.44 MB O (ir None (diskette bay is calle	below) rect mapped / 10 o UltraBay)	t up keyboard and palm rest space rgest notebook display models 12.1 inch raBay: 2nd disk, 2nd battery, diskette egrated 28.8 Kbps modem, audio, telephony o high speed infrared ports				
Avail / withdrawn date	SelectaSys  Win 95 90/60 MHz 720 MB / 13 ms / EIDEO Oct 1995 / Oct 1996	U22 SelectaSys W 90/60 MHz 720 MB / 13 ms Oct 1995 / Oct 1	U28 SelctaSys 120/60 MHz 1.08 GB / 13 ms / EIDEO Jan 1996 / Oct 1996				
Display - diagonal size Display - type Display - techology	12.1 inch SVGA color / 640 x 480 o Black Matrix TFT - active		12.1 inch				
Graphics - controller Graphics - external Graph - arch/data path	Trident™ CYBER9320 with External SVGA to 1024 x VL-Bus 2.0 local bus / 32 b	768 w/ 256 colo			ree tilt		
Memory - std / max Mem - upgrade	8 MB / 64 MB 70 ns / non 2 sockets for two JEDEC 88				fast page)		
Keyboard / # of keys Keyboard slope Pointing / palm rest Ext keyboard support	Full size alp/num / 85 (8 F Automated tilt up keyboa TrackPoint III™ / integrat Yes (with option cable)	ard (5.5 degrees	s) acces drive	<i>ble (pop-up) key</i> ss and remove d , 1st/2nd disk, a nd battery	iskette	SELECTASYSTEM PRELOAD - IBM DOS 7.0 - Windows 3.11 - OS/2 Warp 3.0 (dual boot) with	
Dimensions (cubic in) Weight (with battery) Battery - type Battery - life (1 batt) Battery - life (2 batt) Charge time - on / off	10.4" models: 11.7 x 8.3 x 10.4" models: 6.1 pounds 10.4" models: Lithium Ion, 10.4" models: 3.8 hours 10.4" models: 7.6 hours 10.4" models: 2 to 3 hrs /	/ intelligent 12 Opt 12 NiMH 12	92" (186) telligent pt iMH to 2.5 hrs	<ul> <li>selected BonusPak</li> <li>IBM PC Card Director<sup>™</sup> 3.0</li> <li>Online Users Guide</li> <li>ThinkPad Features Program</li> <li>Diskette Factory</li> <li>Lotus<sup>®</sup> cc:Mail<sup>™</sup>, e-mail for IBM Global<sup>®</sup> network; 2. Lotus Organizer<sup>™</sup></li> <li>Lotus ScreenCam<sup>™</sup></li> <li>Triton CoSession<sup>™</sup> Host; 5. PRODIGY<sup>®</sup></li> <li>SofNet FaxWorks<sup>™</sup> Voice<sup>™</sup></li> <li>Video For Windows<sup>™</sup> 1.1 Runtime</li> <li>Puma TranXit<sup>™</sup> 9. COMPEL<sup>™</sup> PE</li> <li>Mind Path Presentation F/X Pro</li> <li>Internetfor Windows</li> </ul>			
Architecture Docking Station Port replicator PCMCIA™ 2.1 slots Serial / parallel ports Other features	ISA (EIDE, audio, PCMCI/ VL-Bus 2.0 / 32 bit / 33 MF Dock I and II Port Replicator I and II 2 Type I or 2 Type II or 1 <sup>-</sup> One 9 pin; 16550A / one (I APM-aware BIOS / Univer	Iz (graphics) Type III EEE P1284-A, I	·				
Motion video accel MPEG decoder DSP function Data/fax modem Audio support Audio in/out jacks Infrared ports	None None Mwave MDSP2780 DSP v Data/fax modem function 16 bit audio chip on plan Int stereo speakers / .5 w Input jack (3.5 mm) / outpu Infrared ports (front and	n via DSP (v.34 ar with Mwave att / slide volu t jack (3.5 mm)	ophone	<ol> <li>Compusery for Win; 13. WIN32s Runtime</li> <li>NetFinity for Windows and OS/2         <ul> <li>Complimentary Applications CD-ROM</li> <li>Lotus SmartSuite 4.0 CD-ROM</li> <li>WINDOWS 95 PRELOAD</li> <li>Microsoft Windows 95</li> <li>Online User's Guide</li> </ul> </li> </ol>			
Security	Telephone / answering ma Power-on password / Haro device keyhole (Kensingto	chine / full duple d disk password on™ MicroSaver	ex speaker / Supervis ™ cable lo	phone or password / Lo ck) / Security lato	ocking	<ul> <li>ThinkPad Features Program</li> <li>Diskette Factory</li> <li>Lotus<sup>®</sup> cc:Mail<sup>™</sup>, e-mail for IBM Global<sup>®</sup> network; 2. Lotus Organizer<sup>™</sup></li> <li>Lotus ScreenCam<sup>™</sup></li> <li>Triton CoSession<sup>™</sup> Host: 5. PRODIGY<sup>®</sup></li> </ul>	
Preinstalled software Warranty	keyboard and DIMMS (rec Choice of two preloaded co <b>3 year -</b> ThinkPad EasySe	onfigurations (lis	sted to right	t)	or carry-in		
The left bay (UltraBay ① 2nd disk (requires S ② 2nd battery ③ std diskette drive ④ 2.88 MB diskette drive ⑥ IBM Wireless Mode ⑦ IBM Wireless Mode ⑦ IBM Wireless Mode ⑦ IBM Wireless Mode ⑦ IBM Wireless Mode ⑦ IBM Wireless Mode ⑦ IBM Wireless Mode ⑦ IBM Wireless Mode ⑦ IBM Wireless Mode ⑦ IBM Wireless Mode ⑦ IBM Wireless Mode ⑦ IBM Wireless Mode ⑦ IBM Wireless Mode ⑦ IBM Wireless Mode ⑦ IBM Wireless Mode ⑦ IBM Wireless Mode ⑦ IBM Wireless Mode ⑦ IBM Wireless Mode ⑦ IBM Wireless Mode ⑦ IBM Wireless Mode	Second HDD Adapter) ive (option) (option) em for ARDIS (option) em for Cellular/CDPD k capacity on 760C is 3 GB disks. d by holding F1 when DSP provides: tion (to 28.8 Kbps) ion (to 14.4 Kbps) ave table synthesis) on erphone	720 MB H 1.08 GB H 1.2 GB HI Second HE Dock I (1 s Dock I (2 s Port Replic Port Replic 2.88 MB di PCMCIA C 760 NiMH Li-Ion Batter Pont Batter Car Batter ThinkPad 8 MB SO DI	0/750/755 I IDD II EIDE IDD II EIDE JDD II (CD of DD Adapte Jot / 1 bay) slot / 2 bay cator I (w/ F skette skette skette skette skette <b>Battery (bl</b> <b>tery Pack I</b> ck Charger nal Attachr <b>20/60 MH2</b> y Adapter AC Adapter	DE disks not sup = 12.5 mm 2 E 12.5 mm 2 only) 17 mm 2 r 2 3 CMCIA) 6 CMCIA) 6 std i 6 8 ack) 4 I (gray) 2 8 ment Kit 6 2 upgrade 2 4 r (50 watts) 6 on-parity EDO 9	9H9383 9H9319	<ul> <li>7. Puma TranXit<sup>™</sup></li> <li>8. Compuserv for Windows</li> <li>9. Mind Path Presentation F/X Pro</li> <li>10. COMPEL Personal Edition <ul> <li>Lotus SmartSuite 96 CD-ROM</li> </ul> </li> <li>FEATURES OF 760 MODELS</li> <li>Product Map; LCD indicator panel LCD of remaining battery life LCD icons for two batteries</li> <li>Plug and Play 1.0a</li> <li>Discharge battery via mouse click Non-disruptive battery exchange</li> <li>Standby, suspend, and hibernation modes US EPA Energy Star compliant</li> <li>Personalized nameplate in indention</li> <li>Personalization screen at startup</li> <li>International Warranty Service</li> <li>24 hour / 7 day telephone, bulletin board, fax, electronic, and Internet (http://www.pc.ibm.com) support</li> <li>IBM and dealer warranty/service</li> <li>Online Housecall (remote diagnostics)</li> </ul>	

ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad a any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business day average turnaround). Overnight repair option in US available for \$99. O = Removable

All trademarks are the property of their respective owners No warranties are expressed or implied in this summary (760C) Compiled by Roger Dodson, IBM. October 1996

## IBM ThinkPad 760CD - withdrawn

IBM <sup>®</sup> ThinkPad <sup>®</sup> :	℅ 760CD 12.1" TFT color - CD-ROM	I - Enhand	kPad 760CD strengths over 760C:					
Processor type Processor upgrade L2 cache Removable diskette Removable CD-ROM	Pentium <sup>®</sup> 90/60 or 120/60 to Pentium 120/60 MHz fro 256 KB / write-through / dii 3.5" 1.44 MB O / use in Ult 5.25" CD-ROM O / 4 x spee EIDE / PIO Mode 3 (ATAPI)	0 (P54LM om 90/60 rect mapp raBay or a cd / multi-s	obile multimedia - MPC2 compliant emovable, 4 x speed, 5.25" CD-ROM ideo card (acceleration, composite in/out) oystick/MIDI port PEG-1 and MPEG-2 HHR decoder					
	9546-U11 9546-U1/ SelectaSystem 90/60 Mhz 90/60 Mhz 90/60 Mh Oct 95 / Oct 96 Oct 95 / 0 1.2 GB / 12 ms / EIDE O /	95 1z 70ct 96		9546-U1C Windows 95 120/60 MHz Jan 96 / Oct 96 (s		Integrated Mwave™DSP provides: ① Data modem function - V.22bis, V.32, V.32bis, v.34 (28.8 Kbps) ② Fax modem function - G3 fax send/receive (14.4 Kbps) ③ Audio function - Stereo waveform record and playback		
Display - type Display - techology	SVGA color / 640 x 480 of Black Matrix TFT - active	r 800 x 60 matrix /	<b>10 / 65,536 simu</b> 100 to 1 contras	<b>iltaneous colors</b> t ratio		<ul> <li>Qsound support (3-D effect)</li> <li>32 voice MIDI wave table synthesizer</li> <li>SoundBlaster™ support / text to speech</li> </ul>		
Graphics - controller Graphics - external Graph - arch/data path	Trident™ CYBER9320 with External SVGA to 1024 x 7 VL-Bus 2.0 local bus / 32 b	768 w/ 25	6 colors up to 75		tilt	MPEG audio decode     Telephone function     Full telephone (can use opt headset)     Tolephone anguagemention		
Memory - std / max Memory - upgrade	8 MB / 64 MB 70 ns / non 2 sockets for two JEDEC 88	pin EDO S	SO DIMMs of 8 or	r 16 MB (acts like fast p	0 /	<ul> <li>Telephone answering machine</li> <li>Full duplex speakerphone</li> <li>Digital Simultaneous Voice Data</li> </ul>		
Keyboard / # of keys Keyboard slope Pointing / palm rest Ext keyboard support	Full size alp/num / 85 (8 F Automated tilt up keyboa TrackPoint III™ / integrate Yes (with option cable)	a <b>rd</b> (5.5 de	egrees) (1 2nd (3 std o (5 2.88) (6 PCM)	t bay (UltraBay™) supports: disk; ② 2nd battery diskette drive; ④ CD-ROM MB diskette (option) ICIA Cartridge (option)		SELECTASYSTEM PRELOAD - IBM DOS 7.0 - Windows 3.11 - OS/2 Warp 3.0 (dual boot) w/ selected		
Dimensions Weight (with CD-ROM)	11.7 x 8.3 x 2.14" (208 cub ) 7.47 pounds	oic inches	) ® IBM	Wireless Modem ARDIS (op Wireless Modem for Cellula 2D (option)		BonusPak - IBM PC Card Director™ 3.0		
Battery - type Battery - life (1 batt) Battery - life (2 batt) Charge time - on / off	Lithium Ion / intelligent op 3.1 hours Ni 6.2 hours 2 to 3 hrs / 1.5 to 2.5 hrs	tional MH	<i>Liftable (po</i> and remove 1st/2nd disk	drive,	<ul> <li>Online Users Guide</li> <li>ThinkPad Features; Diskette Factory</li> <li>Lotus<sup>®</sup> cc:Mail<sup>™</sup>, e-mail for IBM Global<sup>®</sup> network; 2. Lotus Organizer<sup>™</sup></li> </ul>			
Architecture Docking Station Port replicator PCMCIA <sup>TM</sup> 2.1 slots Serial / parallel ports Other features	ISA (EIDE, audio, PCMCIA VL-Bus 2.0 / 32 bit / 33 Mh Dock I and II Port Replicator I and II 2 Type I or 2 Type II or 1 One 9 pin; 16550A / one (II APM-aware BIOS / Univer	z (graphic Type III EEE P128	cs, ACSII) Easy-Setu when turnii 84-A, EPP, ECP	g F1	<ol> <li>Lotus ScreenCam<sup>™</sup></li> <li>Triton CoSession<sup>™</sup> Host; 5. PRODIGY<sup>®</sup></li> <li>SofNet FaxWorks<sup>™</sup> Voice<sup>™</sup></li> <li>Video For Windows<sup>™</sup> 1.1 Runtime</li> <li>Puma TranXit<sup>™</sup>; 9. COMPEL<sup>™</sup> PE</li> <li>Mind Path Presentation F/X Pro</li> <li>Internet for Windows</li> </ol>			
Motion video (below) MPEG decoder DSP function Data/fax modem Audio support	Video acceleration / comp MPEG-1 & MPEG-2 Half H Mwave MDSP2780 DSP v Data/fax modem function 16 bit audio chip on plan Int stereo speakers /.5 w	oosite and lorizontal vith mode n via DSP ar with M att / slide	7325) CD1) one	<ol> <li>Compuserv for Win; 13. WIN32s Runtime</li> <li>NetFinity for Windows and OS/2</li> <li>Asymetrix<sup>®</sup> Digital Video Producer™         <ul> <li>Catalog/Sampler CD-ROM</li> <li>Complimentary Applications CD-ROM</li> <li>MPEG Sampler CD-ROM</li> <li>Lotus SmartSutie 4.0 CD-ROM</li> </ul> </li> </ol>				
Jacks Telephone Infrared ports	Input jack (3.5 mm) / Outpu Telephone / answering ma Infrared ports (front and	chine / ful <b>back) / Ir</b>	l duplex speaker DA 1.0 compati	rphone ible / up to 115 kbs	,	WINDOWS 95 PRELOAD - Microsoft Windows 95 - Online User's Guide		
Security	Power-on password / Hard device keyhole (Kensingto keyboard and DIMMS (req	n™ Micro uires Ken	Saver™ cable lo isington) / PC Ca	ock) / Security latch f	or	<ul> <li>ThinkPad Features; Diskette Factory</li> <li>Lotus<sup>®</sup> cc:Mail<sup>™</sup>, e-mail for IBM Global<sup>®</sup> network; 2. Lotus Organizer<sup>™</sup></li> </ul>		
Preinstalled software Warranty	Choice of two preload conf 3 year - ThinkPad EasySe			pair Option) or carry-i	in	<ol> <li>Lotus ScreenCam<sup>™</sup></li> <li>Triton CoSession<sup>™</sup> Host; 5. PRODIGY<sup>®</sup></li> <li>SofNet FaxWorks<sup>™</sup> Voice<sup>™</sup></li> </ol>		
MPEG motion video tion of image. Video screen without frame - <b>Composite in</b> and S	leo for Windows <sup>™</sup> and with scaling and interpola- may be scaled up to full e rate degredation.	- Disks 720 1.08 1.20	tible in ThinkPac s: (360/750/755 MB HDD II EID 3 GB HDD II EIE GB HDD II (CD and HDD Adapte ( I (1 slot / 1 bay)	IDE disks not support E 12.5mm 29H9 DE 12.5mm 29H9 only) 17mm 29H9 er 29H93	383 319 325 333	<ol> <li>Puma TranXit<sup>™</sup></li> <li>Compuserv for Windows</li> <li>Mind Path Presentation F/X Pro</li> <li>COMPEL Personal Edition</li> <li>Asymetrix<sup>®</sup> Digital Video Producer<sup>™</sup></li> <li>Catalog/Sampler CD-ROM</li> <li>MPEG Sampler CD-ROM</li> </ol>		
or VCR), still image digitize still photo im video on LCD like w camcorder without of - <b>Composite out</b> and	capture (capture and ages), and overlay (view ith a TV, VCR, or apturing it to disk). I S-Video out to TV	- Dock - Port - Port - 1.44 - 2.88	(II (2 slot / 2 bay Replicator I (w/ I Replicator II MB diskette MB diskette ICIA Cartridge	ý) 35460	001 510 520 ewer 108	Lotus SmartSuite 96 CD-ROM     FEATURES OF 760 MODELS     Product Map; LCD indicator panel     Plug and Play 1.0a     Discharge battery via mouse click		
(connect to video or or record on VCR th - Mini game port for - Includes a video in a (includes two video	MIDI or joystick and video out ports	<ul> <li>760 I</li> <li>Li-lo</li> <li>Trave</li> <li>FDD</li> <li>Pent</li> <li>Car E</li> </ul>	Non-disruptive battery exchange Standby, suspend, and hibernation modes US EPA Energy Star compliant Personalized nameplate in indention Personalization screen at startup International Warranty Service 24 hour / 7 day telephone, bulletin					
- Plays back MPEG	motion videos, CD-I s, and Karaoke MPEG	- 8 Mi - 16 Mi - Thini	B SO ĎIMM 3.3v	non-parity EDO 92G7 non-parity EDO 92G7 t III Caps 39H1 85G1	316 354	board, fax, electronic, and Internet (http://www.pc.ibm.com) support IBM and dealer warranty/service Online Housecall (remote diagnostics)		

ThinkPad EasyServ<sup>™</sup>: customer calls 1-800-772-2227, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business day average turnaround). Overnight repair option in US available for \$99. O = Removable; ≈ = Withdrawn from marketing All trademarks are the property of their respective owners No warranties are expressed or implied in this summary (760CD) Compiled by Roger Dodson, IBM. October 1996

## IBM ThinkPad 760EL - withdrawn

IBM <sup>®</sup> ThinkPad <sup>®</sup> :	≫ 760EL 11.3" DSTN c	olor or 12.1" T	FT color - thick					
Processor type Processor upgrade L2 cache Removable diskette External FDD port Removable CD-ROM	Pentium <sup>a</sup> 100/66, 120/60, or 133/66 / 64 bit to L2 cache / 64 bit to mem to Pentium 133/66 MHz which includes 256 KB L2 cache None (not separately upgradeable) 3.5" 1.44 MB O / use in UltraBay or attach externally via rear ext FDD port External FDD port (requires FDD External Attachment Kit 66G3618) None / can upgrade to 4 x, 6 x, or 8 x CD-ROM into UltraBay							
Price Type - model Preload (see side) Available date Pentium speed Remv disk - size / ms Disk controller	9547-U6G <b>Win 95</b> May 1996 <b>100/66 MHz</b> <b>810 MB</b> / 13 r	9547-U6F <b>Win 95</b> May 1996 1 <b>20/60 MHz</b> ns O	9547-U4F <b>Win 95</b> May 1996	U4H U48 Win 95 OS/2 C May 1996 July 1 133/66 MHz 1.08 GB / 13 ms C	133/66 MHz			
Display - size and type	11.3 inch DS	TN	12.1 inch TFT	11.3 DSTN	12.1 TFT	12.1 TFT	12.1 inch TFT	
Display - techology			<b>480 or 800 x 600</b> Dual Scan / 30 to 1 co				<b>br 800 x 600 / 65,536 sim colors</b> / 100 to 1 contrast ratio	
Graphics - controller Graph - arch/data path Gaphics - features	PCI 2.1 / 32 b	it / external SV	bit SVGA accelerator /GA to 1024 x 768 w/ T / 180 degree tilt		AM / 70 ns	1.08 GB = D	MA Mode 2 or PIO Mode 4 MA Mode 2 or PIO Mode 4 MA Mode 1 or PIO Mode 3	
Memory - std / max Memory - features			8 MB / 72 or 104 EDO / 2 sockets for	8 MB / 72 MB two JEDEC 14	or 104 MB 4 pin EDO	16 MB / 80 MB or SO DIMMs of 8, 16	104 MB <b>16 MB</b> / 80 or 104 MB , 32 MB	
Keyboard / # of keys Keyboard slope	Full size alp/n	um / 85 (8 Fn	key functions) d (5.5 degrees)			WIN	DOWS 95 PRELOAD	
Pointing / palm rest Dimensions	TrackPoint II 11.3" models:	lä / integrated 11.7 x 8.3 x 1	pàlm rest / ext keybo I.98" (192) <i>12.1" m</i>	odels: 11.7 x 8	.3 x 2.14" (2	08) - ThinkPad F	r's Guide Features	
Weight Battery - type Battery - life (1 batt) Battery - life (2 batt)	Lithium Ion / ir 11.3" models: 11.3" models:	3.1 hours 6.2 hours	3.04 kg)   12.1" m tional NiMH battery s   12.1" m   12.1" m	- Diskette Fa 1. Triton CoSe 2. PRODIGY®	ictory ession™ Host			
Charge time - on / off Architecture Docking Station Port replicator PC Card Standard slots Serial / parallel ports	PCI 2.1 / 32 b Dock I and II / Port Replicato 2 Type I or 2 T One 9 pin; 165	skette, serial, it / 33 Mhz (El / <b>SelectaDocl</b> or I and II / <b>Se</b> Fype II or 1 Typ 550A / one (IE	lectaDock Base Mo be III / CardBus 32 b EE P1284-A, EPP, E	<ul> <li>4. Puma Tran.</li> <li>5. Compuserv.</li> <li>6. NetFinity fo</li> <li>- Lotus Smail</li> <li>OS/2 WA</li> <li>- IBM OS/2 V</li> </ul>	Xit™ / for Windows rr Windows 95 rtSuite 96 CD-ROM <b>RP CONNECT PRELOAD</b> Varp Connect Version 3 with			
Other features Video in/out MPEG decoder DSP function Data/fax modem Audio support Jacks	None None None <b>16 bit audio c</b> Int stereo spe Input jack (3.5	chip / 20 voice akers / .5 watt	Adapter 2 prong (35 Liftable (pop-up) A remove diskette d 2nd battery, and o MIDI FM synthesis / slide volume contro jack (3.5 mm)	<ul> <li>Online Use</li> <li>ThinkPad F</li> <li>PC Card Di</li> <li>Diskette Fa</li> <li>1. Triton CoSe</li> <li>2. Puma Tran</li> <li>3. NetFinity for</li> </ul>	<ul> <li>WIN-OS/2 with BonusPak applications</li> <li>Online User's Guide</li> <li>ThinkPad Features Program</li> <li>PC Card Director 4.0</li> <li>Diskette Factory</li> <li>Triton CoSession<sup>™</sup> Host;</li> <li>2. Puma TranXit<sup>™</sup></li> <li>3. NetFinity for OS/2</li> </ul>			
Telephone Infrared ports		•	ack) / IrDA 1.0 com	· ·		4. Prodigy - Lotus Smar	rtSuite 4.0 (entitled to SSuite 96)	
Security	device keyhol	e (Kensington	disk password / Supe ™ cable lock) / Secu on) / PC Card lock / P	urity latch for ke	yboard and	ate		
Preinstalled software Warranty			ns (listed on right) v (optional Overnight	Repair Option)	or carry-in	ThinkPad 760I - 720 MB HDD	E supported disks: 0 II EIDE 12.5 mm 29H9383	
The left bay (UltraBay 1) 2nd disk (requires S 2) 2nd battery 3) std diskette drive 4) 2.88 MB diskette drive 6) IBM Wireless Mode 7) IBM Wireless M	Second HDD A (option) m for ARDIS ( m for Cellular/ k capacity on 7 B disks l by holding F1 vorted batteries plack) 4 I (gray) 22 er 8	option) CDPD 60EL is when	Compatible in Think - Second HDD Ada - Dock I (1 slot / 1 I - Dock II (2 slot / 2 - IDE Conversion C - SelectaDock I - Port Replicator I ( - Replicator I	pter bay) bay) Card (for Dock I w/ PCMCIA slo se Model I e (one Type III) achment Kit Hz/L2 upgrade er (slim, 4 pin) raBay) raBay) raBay) 3v NP EDO 64 I 8.3v NP EDO 64 I	29H933 354500 354600 354600 354700 354700 354700 354700 354700 354700 39H740 66G351 66G351 66G351 66G351 66G3610 84G130 66G361 46H599 76H011 39H741 85G195 45H878 45H878 92G734 bit 92G734	<ul> <li>- 1.4 GB HDD</li> <li>- 2.1 GB (1.96')</li> <li>- 3.0 GB (1.96')</li> <li>- 3.0 GB (1.96')</li> <li>FEATUR</li> <li>Setup Pointer 1</li> <li>LCD indicaton</li> <li>Plug and Play</li> <li>Discharge batt</li> <li>Non-disruptive</li> <li>Standby, susp</li> <li>hibernationan</li> <li>US EPA Energ</li> <li>Personalizatio</li> <li>International</li> <li>24 hour /7 dax</li> <li>board, fax, e</li> <li>(http://www.</li> </ul>	DILEIDE 12.5 mm 29H9319 'or higher models) 29H9325 3L EIDE 12.5 mm 69H8412 'in higher models) 69H8414 "+ models) 17 mm 45H8789 <b>ES OF 760 MODELS</b> (single page) r panel 1.0a tery via mouse click a battery exchange end, safe suspend, and	

ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business day average turnaround). ○ = Removable ✓ Models U4F, U4H, U4R, U4S, U48 withdrawn effective January 1997; U6F eff July 1997 All trademarks are the property of their respective owners No warranties are expressed or implied in this summary (760EL) Compiled by Roger Dodson, IBM. June 1997

# IBM ThinkPad 760EL (Fall 1996 models) - withdrawn

IBM <sup>®</sup> ThinkPad <sup>®</sup> :	➤ 760EL 11.3" SVGA DSTN or 12.1	" SVGA TFT - thick				
Processor type Processor upgrade L2 cache Removable diskette External FDD port Removable CD-ROM	Pentium <sup>®</sup> 120/60 or 133/66 / 64 bit to L2 cache / 64 bit to memory to Pentium 133/66 MHz which includes 256 KB L2 cache None (not separately upgradeable) 256 KB / write-back / direct mapped / 10 ns / synchronous pipelined burst 3.5" 1.44 MB O / use in UltraBay or attach externally via rear ext FDD port External FDD port (requires FDD External Attachment Kit 66G3618) None / can upgrade to optional CD-ROM into UltraBay					
Price Type - model Preload (see side) Avail / withdrawn date Pentium speed Remv disk - size / ms Disk controller		9547-U4G Windows 95 October 1996 / October 19 133/66 MHz 2.1 GB / 13 ms O 1 / supports two internal disks	9547-U4T Blank (none	96 / April 1997 <b>z</b>	9547-U4K Windows NT 4.0 Nov 1996 / July 1997 133/66 MHz 2.1 GB / 13 ms 〇	
Display - size and type		12.1 inch TFT	FT	12.1 inch TFT		
Display - techology	11.3" SVGA color / 640 x			color / 640 x 480, 800 x 600 / 65,536 colors		
Graphics - controller Graph - arch/data path Graphics - features	Trident <sup>™</sup> CYBER9320 / 32 PCI 2.1 / external SVGA to Simultaneous LCD and CF			ER9385/64 bit SVG rnal SVGA to 1024 >	A/1 MB EDO DRAM/70 ns x 768 w/ 256 colors	
Memory - std / max Memory - features	8 MB / 72 MB or 104 MB	<b>16 MB</b> / 72 MB or 104 MB / EDO / 2 sockets for 2 JEDEC 144		MB or 104 MB	32 MB/80 MB or 104 ME 1 socket available	
Keyboard / # of keys	Full size alp/num / 85 (8 F				95 PRELOAD	
Keyboard slope Pointing / palm rest	Automated tilt up keyboa TrackPoint III™ / integrate	ard (5.5 degrees) ed palm rest / ext keyboard support (v	with option cable	Manage Charles at	ows 95	
Dimensions Weight	<i>11.3" models:</i> 11.7 x 8.3 x <i>11.3" models:</i> 6.7 pounds	(1.98" (192) <i>12.1" models:</i> 11.7 x (3.04 kg) <i>12.1" models:</i> 6.41 pc		<ul> <li>ThinkPad Feature</li> <li>PC Card Direct</li> </ul>	ures	
Battery - type Battery - life (1 batt) Battery - life (2 batt) Charge time - on / off	Lithium Ion / intelligent 11.3" models: 2.7 hours 11.3" models: 5.4 hours 2 to 3 hrs / 1.5 to 2.5 hrs	(optional NiMH battery supported) 12.1" models: 3.0 hot 12.1" modles: 6.0 hot		<ul> <li>Diskette Factory</li> <li>Triton CoSession™ Host</li> <li>Puma TranXit™</li> <li>Compuserv for Windows</li> <li>NetFinity for Windows 95</li> </ul>		
Architecture Docking Station Port replicator PC Card Standard slots Serial / parallel ports Other features Video in/out	PCI 2.1 / 32 bit / 33 Mhz (I Dock I and II / <b>SelectaDo</b> Port Replicator I and II / <b>S</b> 2 Type I or 2 Type II or 1 T One 9 pin; 16550A / one (I	electaDock Base Model I ype III / CardBus 32 bit PCI / PCMCI EEE P1284-A, EPP, ECP, bidirectio C Adapter 2 prong (35 watts) / Selec	<ul> <li>Lotus SmartSuite 96 CD-ROM</li> <li>WINDOWS NT 4.0 PRELOAD</li> <li>Microsoft Windows NT 4.0 Workstation with utilities and device drivers</li> <li>NT model with 32 MB consists of 8 MB on planar, 8 MB in memory carrier, and</li> </ul>			
MPEG decoder DSP function Data/fax modem	None None None	Liftable (pop-up) keyboard to ad remove diskette drive, 1st/2nd o 1st/2nd battery, and other Ultra	lisk, and	16 MB via a SO-DIMM. One SO-DIMM socket is available. BLANK PRELOAD		
Audio support Jacks	16 bit audio chip / 20 voice MIDI FM synthesis / ESS1688 Int stereo speakers / .5 watt / slide volume control / internal microphone Input jack (3.5 mm) / output jack (3.5 mm)			- License for Sma		
Telephone Infrared ports	None Infrared ports (front and back) / IrDA 1.0 compatible / up to 115 kbs			- 760 NiMH Batte	••	
Security	Power-on password / Hard disk password / Supervisor password / Security keyhole (requires cable) / Security latch for keyboard and DIMMS (requires cable) / PC Card lock / Personalization / Security Plate			<ul> <li>Li-Ion Battery Pa</li> <li>Travel Quick Ch</li> <li>Car Battery Ada</li> </ul>	ack II (gray) 29H9329 larger 85G1522 pter 49G2167	
Preinstalled software Warranty	Windows 95 with application	ons (listed on right) erv (optional Overnight Repair Optior	) or carry-in	ThinkPad 760E su - (360/750/755 ID	E disks not supported)	
The left bay (UltraBay ① 2nd disk (requires S ② 2nd battery ③ std diskette drive ④ 2.88 MB diskette drive ④ PCMCIA Cartridge ⑥ IBM Wireless Mode (option) Maximum internal dis 4.2 GB with two 2.1 G Easy-Setup is entered turning on.	Second HDD Adapter) ive (option) (option) im for ARDIS (option) im for Cellular/CDPD k capacity on 760EL is IB disks	Compatible in ThinkPad 760EL fan - Second HDD Adapter - Dock I (1 slot / 1 bay) - Dock II (2 slot / 2 bay) - IDE Conversion Card (for Dock - SelectaDock II - SelectaDock III - Port Replicator I (w/ PCMCIA sl - Port Replicator II - SelectaDock Base Model I - 2.88 MB diskette - PCMCIA Cartridge (one Type III - FDD External Attachment Kit	29H9333 3545001 3546001 II) 46H5994 <b>3547001</b> <b>3547002</b> <b>3547003</b> ots) 66G3510 66G3510 66G3520 <b>39H7405</b> 66G0108	- 810 MB HDD III - 1.08 GB HDD III - 1.2 GB (1.96"+rr - 1.4 GB HDD 3L - 2.1 GB (1.96"+rr - 3.0 GB (1.96"+rr FEATURES Setup Pointer (sing LCD indicator par Plug and Play 1.0a Discharge battery Non-disruptive bat Standby, suspend,	nodels) 17 mm 45H8789 OF 760 MODELS gle page) nel via mouse click tery exchange , safe suspend, and	
810 MB = DMA Mode 1.08 GB = DMA Mode 1.2 GB = DMA Mode 1.35 GB = DMA Mode 2.1 GB = DMA Mode	e 2 or PIO Mode 4 e 1 or PIO Mode 3 e 2 or PIO Mode 4	<ul> <li>Pentium 133/66 MHz/L2 upgrade</li> <li>35 watt AC Adapter (slim, 4 pin)</li> <li>4 x CD-ROM (UltraBay)</li> <li>6 x CD-ROM (UltraBay)</li> <li>8 x CD-ROM (UltraBay)</li> <li>8 - 20 x CD-ROM (UltraBay)</li> </ul>	<ul> <li>46H5991</li> <li>76H0119</li> <li>39H7413</li> <li>85G1957</li> <li>45H8786</li> <li>00K7903</li> </ul>	hibernation mode US EPA Energy St Personalized name Personalization sc International War 24 hour / 7 day tel board fax elect	tar compliant eplate in indention reen at startup <b>ranty Service</b>	
Maximum is 80 MB or models, but 104 MB re Proven vendor option.	equires a ThinkPad	<ul> <li>8 MB SO DIMM 3.3v NP EDO 64</li> <li>16 MB SO DIMM 3.3v NP EDO 64</li> <li>32 MB SO DIMM 3.3v NP EDO 64</li> <li>227, courier service picks up ThinkPac</li> </ul>	4 bit 92G7341 4 bit 92G7342	(http://www.pc.i IBM and dealer wa	ibm.com) support	

IninKPad EasyServie: customer calls 1-800-772-2227, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business day average turnaround). Overnight repair option in US available for \$99. O = Removable

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## IBM ThinkPad 760ELD - withdrawn

IBM <sup>®</sup> ThinkPad <sup>®</sup> :	★ 760ELD 12.1" TFT color - CD-ROM					
Processor type Processor upgrade L2 cache Removable diskette External FDD port Removable CD-ROM	Pentium <sup>®</sup> 100/66 (P54LM) / 64 bit to L2 cache / 64 bit to memory to Pentium 133/66 MHz which includes 256 KB L2 cache None (not separately upgradeable) 3.5" 1.44 MB O / use in UltraBay or attach externally via rear ext FDD port External FDD port (requires FDD External Attachment Kit 66G3618)			WINDOWS 95 PRELOAD - Microsoft Windows 95 - Online User's Guide - ThinkPad Features - PC Card Director 4.0 - Diskette Factory		
Price Type - model Preload (see side) Avail / withdrawn date Remv disk - size / ms Disk controller Display - size and type					<ol> <li>Triton CoSession<sup>™</sup> Host;</li> <li>PRODIGY<sup>®</sup></li> <li>SofNet FaxWorks<sup>™</sup> Fax</li> <li>Puma TranXit<sup>™</sup></li> <li>Compuserv for Windows</li> <li>NetFinity for Windows 95</li> <li>Lotus SmartSuite 96 CD-ROM</li> </ol>	
Display - techology	Black Matrix TFT - active	matrix / 10	0 to 1 contrast ratio			
Graphics - controller Graph - arch/data path Gaphics - features Graphics - external		T / 180 deg		1/70 ns	_	
Memory - std / max Memory - upgrade	8 MB / 72 MB 70 ns / non- 2 sockets for two JEDEC 1		volt / EDO O SO DIMMs of 8, 16, 32 MB	3		
Keyboard / # of keys Keyboard slope Pointing / palm rest	Full size alp/num / 85 (8 Fr Automated tilt up keyboa TrackPoint III™ / integrated	<b>rd</b> (5.5 deg		tion cable)		
Dimensions Weight (with CD-ROM	11.7 x 8.3 x 2.14" (208 cub ) 7.28 pounds (3.30 kg)	ic inches)				
Battery - type Battery - life (1 batt) Battery - life (2 batt) Charge time - on / off	Lithium Ion / intelligent opti 3.2 hours Nilv 6.4 hours 2 to 3 hrs / 1.5 to 2.5 hrs	ional IH	Liftable (pop-up) keyboard and remove CD-ROM, disk 1st/2nd disk, and 1st/2nd b	ette drive,		
Architecture Docking Station Port replicator PC Card Standard slots Serial / parallel ports Other features	ISA (audio, diskette, serial, parallel, infrared, ext expansion) PCI 2.1 / 32 bit / 33 Mhz (EIDE, graphics, CardBus, ext expansion) Dock I and II / SelectaDock I, II and III Port Replicator I and II / SelectaDock Base Model I s 2 Type I or 2 Type II or 1 Type III / CardBus 32 bit PCI / PCMCIA 2.1 compatible One 9 pin; 16550A / one (IEEE P1284-A, EPP, ECP, bidirectional) APM-aware BIOS / Slim AC Adapter 2 prong (35 watts) / Selectable boot			Easy-Setup is entered by holding F1 when turning on.		
Video in/out MPEG decoder DSP function Data/fax modem	None None None None			810 MB = DMA Mode 2 or PIO Mode 4 1.08 GB = DMA Mode 2 or PIO Mode 4 1.2 GB = DMA Mode 1 or PIO Mode 3		
Audio support Jacks Telephone Infrared ports	<b>16 bit audio chip / 20 voice MIDI FM synthesis / ESS1688</b> Int stereo speakers / .5 watt / slide volume control / internal microphone Input jack (3.5 mm) / Output jack (3.5 mm) None Infrared ports (front and back) / IrDA 1.0 compatible / up to 115 kbs			ThinkPad 760 ELD supported disks: - (360/750/755 IDE disks not supported) - 720 MB HDD II EIDE 12.5 mm 29H93 - 810 MB HDD II EIDE 12.5 mm 29H93 - 1.08 GB HDD II EIDE 12.5 mm 29H93		
Security Preinstalled software	Power-on password / Hard disk password / Supervisor password / Locking device keyhole (Kensington <sup>™</sup> cable lock) / Security latch for keyboard and DIMMS (requires Kensington) / PC Card lock / Personalization / Security Plate Windows 95 with applications (listed on right)			ard and	- 1.2 GB (1.96"+ models) 17 mm 29H9325 - 1.4 GB HDD 3L EIDE 12.5 mm 69H8412 - 2.1 GB (1.96"+ models) 17 mm 69H8414 - 3.0 GB (1.96"+ models) 17 mm 45H8789	
Warranty	3 year - ThinkPad EasySer	rv (optional	Overnight Repair Option) or c	carry-in	- 5.1 GB (1.96" or higher models) 00K7902 ThinkPad 760E supported batteries:	
The left bay (UltraBay 1 2nd disk 2 2nd battery 3 std diskette drive 4 CD-ROM	,	<ul> <li>Second</li> <li>Dock I</li> <li>Dock II</li> <li>IDE Co</li> </ul>	(1 slot / 1 bay) (2 slot / 2 bay) onversion Card (for Dock I/II)	29H9333 3545001 3546001 46H5994	<ul> <li>- 760 NiMH Battery (black) 41H9720</li> <li>- Li-lon Battery Pack II (gray) 29H9329</li> <li>- Travel Quick Charger 85G1522</li> <li>- Car Battery Adapter 49G2167</li> </ul>	
<ul> <li>PCMCIA Cartridge (option)</li> <li>IBM Wireless Modem ARDIS (option)</li> <li>IBM Wireless Modem for Cellular/</li> <li>CDPD (option)</li> <li>All 760 systems support the NiMH or Li-Ion battery in both battery bay and UltraBay.</li> <li>Adaximum internal disk capacity on 760ELD is</li> </ul>		<ul> <li>Port Re</li> <li>Port Re</li> <li>Selecta</li> <li>2.88 M</li> <li>PCMCI</li> <li>FDD E:</li> <li>Pentiur</li> <li>4 x CD</li> <li>6 x CD</li> </ul>	eplicator I (w/ PCMCIA slots) ( eplicator II aDock Base Model I B diskette drive IA Cartridge (one Type III) Aternal Attachment Kit n 133/66 MHz/L2 upgrade -ROM (UltraBay) -ROM (UltraBay)	66G3520 39H7405 66G0108 84G1301 66G3618 46H5991 39H7413 85G1957	FEATURES OF 760 MODELS Setup Pointer (single page) LCD indicator panel Plug and Play 1.0a Discharge battery via mouse click Non-disruptive battery exchange Standby, suspend, safe suspend, and hibernation modes US EPA Energy Star compliant Personalized nameplate in indention	
2.4 GB with two 1.2 G	iB disks.	- 8-20 x - 8 MB S - 16 MB S		92G7341	Personalized namepiate infindention Personalization screen at startup International Warranty Service 24 hour / 7 day telephone, bulletin board, fax, electronic, and Internet (http://www.pc.ibm.com) support IBM and dealer warranty/service Online Housecall (remote diagnostics)	

ThinkPad EasyServ<sup>™</sup>: customer calls 1-800-772-2227, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business day average turnaround). Overnight repair option in US available for \$99. O = Removable

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## IBM ThinkPad 760E (SVGA) - withdrawn

IBM <sup>®</sup> ThinkPad <sup>®</sup> :	⊁ 760E	₩ 760E		Kay differences between 2005 and 2005D	
		12.1" SVGA TFT - thin	Key differences between 760E and 760ED:		
Processor type Processor upgrade L2 cache Removable diskette External FDD port Removable CD-ROM	256 KB / write-back / direct mapped / 10 ns / synchronous pipelined burst 3.5" 1.44 MB O / in UltraBay External FDD port None Name / write-back / direct mapped / 10 ns / synchronous pipelined burst NM Name / write-back / direct mapped / 10 ns / synchronous pipelined burst NM NM			No std CD-ROMStandard CD-ROMNo video in/outVideo in/out and cableNo joystick/MIDI portJoystick/MIDI portNo MPEG decoderMPEG decoderLighterHeavier	
Price Type - model Preload (see side) Avail / withdrawn date Pentium speed Remv disk - size / ms Disk controller	Pallet of 24 9546-U3B Windows 95 Blank May 1996 / Jan 1997 120/60 MHz 1.2 GB / 12 ms O EIDE / busmaster / PCI 2	9546-U4B Windows 95 May 1996 / Jan 1997 120/60 MHz 810 MB / 13 ms O .1 / supports two internal c	9546-U4A Windows 95 May 1996 / Jan 1997 133/66 MHz 1.08 GB / 13 ms O disks	Price Price WINDOWS 95 PRELOAD  - Microsoft Windows 95 - Online User's Guide - ThinkPad Features	
Display - size and type Display - techology		40 x 480 or 800 x 600 / 65, e matrix / 100 to 1 contrast	- Think ad Peaules - PC Card Director 4.0 - Diskette Factory		
Graphics - controller	Trident™ CYBER9320 / 32 PCI 2.1 / 32 bit / external simultaneous LCD and C	2 bit SVGA accelerator / 1 M SVGA to 1024 x 768 w/ 256 RT / 180 degree tilt	<ul> <li>Disket actory</li> <li>Triton CoSession™ Host;</li> <li>PRODIGY<sup>®</sup></li> <li>SofNet FaxWorks™ Fax</li> <li>Puma TranXit™</li> <li>Compuserv for Windows</li> <li>NetFinity for Windows 95</li> <li>Lotus SmartSuite 96 CD-ROM</li> </ul>		
Memory - std / max Memory - features Memory - upgrade	70 ns / non-parity / 3.3 vo 2 sockets for two JEDEC	144 pin EDO SO DIMMs			
Keyboard / # of keys Keyboard slope Pointing / palm rest		<b>ard</b> (5.5 degrees) ed palm rest / ext keyboard	ble) - License for SmartSuite		
Dimensions Weight	11.7 x 8.3 x 2.14" (208) 7.06 pounds (3.20 kg)	11.7 x 8.3 x 1.92" (186 cu 6.76 pounds (3.07 kg)	,		
Battery - type Battery - life (1 batt) Battery - life (2 batt) Charge time - on / off	Lithium lon / intelligent or 3.4 hours N 6.8 hours 2 to 3 hrs / 1.5 to 2.5 hrs	MH and remove of disk, and 1st	<i>u-up) keyboard</i> to acc diskette drive, 1st/2nd /2nd battery (thick port CD-ROM)		
Architecture Docking Station Port replicator PC Card Standard slots Serial / parallel ports Other features	PCI 2.1 / 32 bit / 33 Mhz ( Dock I and II / <b>SelectaDo</b> Port Replicator I and II / <b>S</b> 2 Type I or 2 Type II or 1 T One 9 pin; 16550A / one (	al, parallel, infrared, ext exp EIDE, graphics, CardBus, ck I and II selectaDock Base Model ype III / CardBus 32 bit P IEEE P1284-A, EPP, ECP, AC Adapter 2 prong (35 wat	Easy-Setup is entered by holding F1 when turning on. 810 MB = DMA Mode 2 or PIO Mode 4 1.08 GB = DMA Mode 2 or PIO Mode 4 1.2 GB = DMA Mode 1 or PIO Mode 3		
Video in/out MPEG decoder DSP function Data/fax modem Audio support		with modem, fax, audio, t n via DSP (v.34 to 28.8 Kb	Memory is upgradeable to 104 MB with a ThinkPad Proven option.		
Jacks Telephone Infrared ports	Int stereo speakers / .5 v Input jack (3.5 mm) / Outp Telephone / answering m Infrared ports (front and	vatt / slide volume contro ut jack (3.5 mm) achine / full duplex speake I back) / IrDA 1.0 compati	ThinkPad 760E supported batteries: - 760 NiMH Battery (black) 41H9720 - Li-Ion Battery Pack II (gray) 29H9329 - Travel Quick Charger 85G1522 - Case Detery 4 dester 4002167		
Security	Power-on password / Hard disk password / Supervisor password / Locking device keyhole (Kensington <sup>™</sup> cable lock) / Security latch for keyboard and DIMMS (requires Kensington) / PC Card lock / Personalization / Security Plate			d late ThinkPad 760E supported disks:	
Preinstalled software Warranty		ons (listed on right) erv (optional Overnight Rep	- (360/750/755 IDE disks not supported) - 720 MB HDD II EIDE 12.5 mm 29H9383 - 810 MB HDD II EIDE 12.5 mm 29H9313		
The left bay (UltraBay ① 2nd disk (requires S ② 2nd battery ③ std diskette drive ④ 2.88 MB diskette dr	Second HDD Adapter)	Compatible in ThinkPad - Second HDD Adapter - Dock I (1 slot / 1 bay) - Dock II (2 slot / 2 bay) - IDE Conversion Card	29H933 354500 354600	1 - 2.1 GB (1.96" or higher models) 69H8414	
<ul> <li>⑤ PCMCIA Cartridge (option)</li> <li>⑥ IBM Wireless Modem for ARDIS (option)</li> <li>⑦ IBM Wireless Modem for Cellular/CDPD (option)</li> <li>Maximum internal disk capacity on 760E is</li> <li>4.2 GB with two 2.1 GB disks (thick models) or</li> <li>2.8 GB with two 1.4 GB disks (thin models)</li> <li>Easy-Setup is entered by holding F1 when turning on.</li> <li>Integrated Mwave™ DSP provides:</li> <li>① Data modem function (to 28.8 Kbps)</li> <li>② Fax modem function (to 14.4 Kbps)</li> <li>③ Audio function (wave table synthesis)</li> <li>④ Telephone function <ul> <li>Full duplex speakerphone</li> <li>⑤ Digital Simultaneous Voice and Data</li> </ul> </li> </ul>		SelectaDock I     SelectaDock II     Port Replicator I (w/ P     Port Replicator II	3547001 3547002 CMCIA slots) 66G351 66G352	1     FEATURES OF 760 MODELS       2     Setup Pointer (single page)       10     LCD indicator panel       20     Plug and Play 1 0a	
		- SelectaDock Base Model I       39H740         - 2.88 MB diskette drive       66G010         - PCMCIA Cartridge (one Type III)       84G130         - FDD External Attachment Kit       66G361         - Pentium 133/66 MHz/L2 upgrade       46H599         - 35 watt AC Adapter (slim, 4 pin)       76H011         - 4 x CD-ROM (for thick model)       39H741		<ul> <li>Discharge báttery via mouse click</li> <li>Non-disruptive battery exchange</li> <li>Standby, suspend, safe suspend, and</li> <li>hibernation modes</li> <li>US EPA Energy Star compliant</li> <li>Personalized namenlate in indention</li> </ul>	
		<ul> <li>6 x CD-ROM (for thick</li> <li>8 MB SO DIMM 3.3v N</li> <li>16 MB SO DIMM 3.3v I</li> <li>32 MB SO DIMM 3.3v I</li> </ul>	< model) 85G195 P EDO 64 bit 92G734 NP EDO 64 bit 92G734	<ul> <li>International Warranty Service</li> <li>24 hour /7 day telephone, bulletin</li> <li>board fax electronic and Internet</li> </ul>	
	customer calls 1-800-772-2			I trademarks are the property of their respective owner	

ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business day average turnaround). Overnight repair option in US available for \$99. O = Removable

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# IBM ThinkPad 760E (XGA) - withdrawn

	<b>➢ 760E</b> 12.1" XGA color - thick			Key	v differences between 760E and 760ED:	
Processor type Processor upgrade L2 cache Removable diskette External FDD port Removable CD-ROM	Pentium® 150/60 (P54CSLM) / 64 bit to L2 cache / 64 bit to memory None       Note         256 KB / write-back / direct mapped / 10 ns / synchronous pipelined burst 3.5" 1.44 MB O / in UltraBay       Note         External FDD port (requires External FDD Attachment Kit 66G3618) None / can upgrade with optional CD-ROM into UltraBay       Note			No Noj		
Price Type - model Preload (see side) Remv disk - size / ms Disk controller Avail / withdrawn date	9546-U9B Windows 95 2.1 GB / 12 ms O EIDE / busmaster / PCI 2.1 / supports two internal disks (so 4.2 GB max) October 1996 / October 1997				WINDOWS 95 PRELOAD - Microsoft Windows 95 - Online User's Guide - ThinkPad Features	
Display - size and type Display - techology	12.1 inch XGA color / 640 x 480, 800 x 600, or 1024 x 768 / 65,536 siml colors Black Matrix TFT - active matrix / 100 to 1 contrast ratio			- PC Card Director 4.0 - Diskette Factory		
Graphics - controller Graph - arch/data path Graphics - features Graphics - external	Trident™ CYBER9385 / 64 bit SVGA accelerator / <b>2 MB EDO DRAM</b> / 70 ns PCI 2.1 / 32 bit / <b>DCI, DirectDraw, EnDIVE support</b> Simultaneous LCD and CRT / 180 degree tilt External SVGA to 1280 x 1024 w/ 256 colors or 1024 x 768 w/ 65,536 colors				<ol> <li>Titon CoSession™ Host</li> <li>SofNet FaxWorks™ Voice™</li> <li>Puma TranXit™</li> <li>Compuserv for Windows</li> <li>NetFinity for Windows 95</li> <li>Lotus SmartSuite 96 CD-ROM</li> </ol>	
Memory - std / max Memory - features Memory - upgrade	<b>16 MB</b> / 80 MB (104 MB with ThinkPad Proven option) 70 ns / non-parity / 3.3 volt / EDO 2 sockets for two JEDEC 144 pin EDO SO DIMMs of 8, 16, 32 MB					
Keyboard / # of keys Keyboard slope Pointing / palm rest	Full size alp/num / 85 (8 Fn ke Automated tilt up keyboard ( TrackPoint III™ / integrated pa	(Ś.5 de	tions) grees) t / ext keyboard support (w/ optional ca	able)		
Dimensions Weight	11.7 x 8.3 x 2.0" (194 cubic inc 6.41 pounds (2.91 kg)	ches)				
Battery - type Battery - life (1 batt) Battery - life (2 batt) Charge time - on / off	Lithium lon / intelligent optiona 2.6 hours NiMH 5.2 hours 2 to 3 hrs / 1.5 to 2.5 hrs	al	Liftable (pop-up) keyboard to acc and remove diskette drive, 1st/2nd disk, and 1st/2nd battery (thick models support CD-ROM)			
Architecture Docking Station Por replicator PC Card Standard slots Serial / parallel ports Other features	ISA (audio, diskette, serial, parallel, infrared, ext expansion) PCI 2.1 / 32 bit / 33 Mhz (EIDE, graphics, CardBus, ext expansion) Dock I and II / SelectaDock I and II and III Port Replicator I and II / SelectaDock Base Model I 2 Type I or 2 Type II or 1 Type III / CardBus 32 bit PCI / PCMCIA 2.1 compatible One 9 pin; 16550A / one (IEEE P1284-A, EPP, ECP, bidirectional) APM-aware BIOS / Slim AC Adapter 2 prong (35 watts) / Selectable boot				Easy-Setup is entered by holding F1 when turning on. 810 MB = DMA Mode 2 or PIO Mode 4 1.08 GB = DMA Mode 2 or PIO Mode 4	
Video in/out MPEG decoder DSP function Data/fax modem Audio support Jacks Telephone Infrared ports	None None Mwave MDSP2780 DSP with modem, fax, audio, telephony function Data/fax modem function via DSP (v.34 to 33.6 Kbps) / Mwave 2.1 16 bit audio chip on planar with Mwave DSP Int stereo speakers / .5 watt / slide volume control / internal microphone Input jack (3.5 mm) / Output jack (3.5 mm) Telephone / answering machine / full duplex speakerphone / DSVD Infrared ports (front and back) / IrDA 1.0 compatible / up to 115 kbs			1.2 GB       = DMA Mode 1 or PIO Mode 3         1.35 GB       = DMA Mode 2 or PIO Mode 4         2.1 GB       = DMA Mode 2 or PIO Mode 4         ThinkPad 760E supported batteries:         - 760 NiMH Battery (black)       41H9720         - Li-Ion Battery Pack II (gray)       29H9329         - Travel Quick Charger       85G1522         - Car Battery Adapter       49G2167		
Security	Power-on password / Hard disk password / Supervisor password / Security keyhole / Security latch for keyboard and DIMMS (requires cable lock) / PC Card lock / Personalization / Security Plate			ate	ThinkPad 760E supported disks: - (360/750/755 IDE disks not supported) - 720 MB HDD II EIDE 12.5 mm 29H9383	
<ul> <li>The left bay (UltraBay™) supports:</li> <li>1 2nd disk (requires Second HDD Adapter)</li> <li>2 2nd battery</li> <li>3 std diskette drive</li> <li>2.88 MB diskette drive (option)</li> <li>9 PCMCIA Cartridge (option)</li> <li>(BBW Wireless Modem for ARDIS (option)</li> <li>(DBW Wireless Modem for Cellular/CDPD (option)</li> <li>Maximum internal disk capacity on 760E is 10.2 GB with two 5.1 GB disks</li> <li>Easy-Setup is entered by holding F1 when turning on.</li> <li>Integrated Mwave™ DSP provides:</li> <li>① Data modem function (to 28.8 Kbps)</li> <li>② Fax modem function (to 14.4 Kbps)</li> <li>③ Audio function (wave table synthesis)</li> <li>④ Telephone function</li> </ul>		Ions (insted of hight))         erv (optional Overnight Repair Option) or carry-in         Compatible in ThinkPad 760E family:         - Second HDD Adapter       29H9333         - Dock I (1 slot / 1 bay)       3545001         - Dock II (2 slot / 2 bay)       3546001         - IDE Conversion Card (for Dock I/II)       46H5994         - SelectaDockI       3547001         - SelectaDockII       3547001         - Port Replicator I (w/ PCMCIA slots)       66G3510         - Port Replicator I (w/ PCMCIA slots)       66G3520         - SelectaDock Base Model I       39H7405         - 2.88 MB diskette drive       66G0108         - PCMCIA Cartridge (one Type III)       84G1301         - FDD External Attachment Kit       66G3618         - 35 watt AC Adapter (slim, 4 pin)       76H0119         - 4 x CD-ROM (UltraBay)       39H7413         - 6 x CD-ROM (UltraBay)       45H8786         - 8 - 20 x CD-ROM (UltraBay)       00K7903         - 8 MB SO DIMM 3.3v NP EDO 64 bit       92G7340		33 11 11 12 33 10 20 55 508 11 18 19 13 57 36 6 33	<ul> <li>- 810 MB HDD II EIDE 12.5 mm 29H9313</li> <li>- 1.08 GB HDD II EIDE 12.5 mm 29H9319</li> <li>- 1.2 GB (1.96"+ models) 17 mm 29H9325</li> <li>- 1.4 GB HDD 3L EIDE 12.5 mm 69H8412</li> <li>- 2.1 GB (1.96"+ models) 17 mm 69H8412</li> <li>- 2.1 GB (1.96"+ models) 17 mm 69H8412</li> <li>- 3.0 GB (1.96"+ models) 17 mm 69H8412</li> <li>- 5.1 GB (1.96"+ models) 17 mm 00K7902</li> </ul> <b>FEATURES OF 760 MODELS</b> Setup Pointer (single page) <b>LCD indicator panel</b> Plug and Play 1.0a Discharge battery via mouse click Non-disruptive battery exchange Standby, suspend, safe suspend, and <ul> <li>hibernation modes</li> <li>US EPA Energy Star compliant</li> <li>Personalized nameplate in indention</li> <li>Personalization screen at startup</li> <li>International Warranty Service</li> <li>24 hour / 7 day telephone, bulletin</li> <li>board, fax, electronic, and Internet</li> <li>(http://www.pc.ibm.com) support</li> </ul>	
- Full duplex speake ⑤ Digital Simultaneo	us Voice and Data		SO DIMM 3.3v NP EDO 64 bit 92G734 SO DIMM 3.3v NP EDO 64 bit 92G734		IBM and dealer warranty/service Online Housecall (remote diagnostics)	

ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business day average turnaround). Overnight repair option in US available for \$99. O = Removable

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## III ThinkPad 760ED (SVGA) - withdrawn

IBM <sup>®</sup> ThinkPad <sup>®</sup> :	⊁ 760ED			ThinkPad 760ED strengths over 760CD:		
Processor type Processor upgrade	12.1" SVGA TFT- 4 x CD-F Pentium <sup>®</sup> 133/66 (P54CS None			memory	<ul> <li>Pentium 133/66 MHz (vs 120/60 MHz)</li> <li>PCI bus (vs VL-Bus)</li> </ul>	
L2 cache Removable diskette External FDD port Removable CD-ROM	256 KB / write-back / direc 3.5" 1.44 MB O / use in Ult External FDD port (requires 5.25" CD-ROM O / 4 x sp EIDE / PIO Mode 3 (ATAP	traBay or a s External f <b>eed /</b> multi	ar ext FDD port G3618) h eject button	<ul> <li>16 MB EDO memory (vs 8 MB fast page)</li> <li>64 bit path to memory (vs 32 bit)</li> <li>9385 64 bit graphics with 2 MB EDO</li> <li>CardBus PC Card support (32 bit PCI)</li> </ul>		
	Enhanced IDE / busmaster May 1996 / January 1997	/ PCI 2.1 /	supports two internal d		Integrated Mwave <sup>™</sup> DSP provides: ① Data modem function - V.22bis, V.32, V.32bis, v.34 (28.8 Kbps) ② Fax modem function	
Display - size and type Display - techology	12.1 inch SVGA color / 640 Black Matrix TFT - active	matrix / 10	0 to 1 contrast ratio		<ul> <li>G3 fax send/receive (14.4 Kbps)</li> <li>③ Audio function</li> <li>Stereo waveform record and playback</li> </ul>	
Graphics - controller Graph - arch/data path Gaphics - features Graphics - external	Trident <sup>™</sup> CYBER9385 / 64 PCI 2.1 / 32 bit / <b>DCI, Direc</b> Simultaneous LCD and CR External SVGA to 1280 x 1	tDraw, En	DIVE support gree tilt		<ul> <li>Qsound support (3-D effect)</li> <li>32 voice MIDI wave table synthesizer</li> <li>SoundBlaster™ support / text to speech</li> <li>MPEG audio decode</li> </ul>	
Memory - std / max Memory - upgrade	<b>16 MB</b> / 80 MB (104 MB with volt / EDO 2 sockets for two JEDEC 1		O SO DIMMs of 8, 16,	32 MB	Telephone function     Full telephone (can use opt headset)     Telephone answering machine     Full development base	
Keyboard / # of keys Keyboard slope Pointing / palm rest	Full size alp/num / 85 (8 Fr Automated tilt up keyboa TrackPoint III™ / integrated	rd (5.5 deg	(rees) (1) a std diskette drive	l battery e;	- Full duplex speakerphone ⑤ Digital Simultaneous Voice Data	
Ext keyboard support Dimensions	Yes (with option cable) 11.7 x 8.3 x 2.14" (208 cubi		<ul> <li>PCMCIA Cartridg</li> <li>IBM Wireless Mo</li> <li>IBM Wireless Mo</li> </ul>	ge (option) odem ARDIS (option)	WINDOWS 95 PRELOAD - Microsoft Windows 95 - Online User's Guide	
Weight (with CD-ROM Battery - type Battery - life (1 batt) Battery - life (2 batt) Charge time - on / off	Lithium Ion / intelligent opi	tional MH	CDPD (option) Liftable (pop-up) key and remove CD-ROM 1st/2nd disk, and 1st	<ul> <li>ThinkPad Features</li> <li>PC Card Director 4.0</li> <li>Diskette Factory</li> <li>Triton CoSession™ Host;</li> <li>2. PRODIGY<sup>®</sup></li> </ul>		
Architecture Docking Station Port replicator	ISA (audio, diskette, serial, PCI 2.1 / 32 bit / 33 Mhz (E Dock I and II / <b>SelectaDoc</b> Port Replicator I and II / <b>Se</b> 2 Type I or 2 Type II or 1 Ty One 9 pin; 16550A / one (IE APM-aware BIOS / Slim AC	IDE, grapi k I and II electaDoci pe III / Car EEE P1284	<ol> <li>SofNet FaxWorks<sup>™</sup> Voice<sup>™</sup></li> <li>Puma TranXit<sup>™</sup></li> <li>Compuserv for Windows</li> <li>NetFinity for Windows 95</li> <li>Asymetrix<sup>®</sup> Digital Video Producer<sup>™</sup></li> <li>MPEG Sampler (CD-ROM)</li> <li>Lotus SmartSuite 96 CD-ROM</li> </ol>			
Video in/out MPEG decoder DSP function Data/fax modem Audio support Jacks Telephone	Composite and S-Video i MPEG-1 & MPEG-2 Half H. Mwave MDSP2780 DSP w Data/fax modem function 16 bit audio chip on plana Int stereo speakers /.5 wa Input jack (3.5 mm) / Output Telephone / answering ma	in/out / gan orizontal F vith moden via DSP ( ar with Mw att / slide v t jack (3.5 n	der (MPEGCD1) y function ave 2.1 al microphone (includes cable)	Easy-Setup is entered by holding F1 when turning on. ThinkPad 760ED supported batteries: - 760 NiMH Battery (black) 41H9720 - Li-Ion Battery Pack II (gray) 29H9329		
Infrared ports Security	Infrared ports (front and I Power-on password / Hard device keyhole (Kensington	back) / IrD. disk passv	A 1.0 compatible / up t vord / Supervisor passv	t <b>o 115 kbs</b> vord / Locking	- Travel Quick Charger 85G1522 - Car Battery Adapter 49G2167	
Preinstalled software Warranty	DIMMs (réquires Kensingto Windows 95 with applicatio <b>3 year</b> - ThinkPad EasySer	on) / PC Ca ns (listed o	rd lock / Personalizatio n right)	n / Security Plate	ThinkPad 760E supported disks: - (360/750/755 IDE disks not supported) - 720 MB HDD II EIDE 12.5mm 29H9383	
Enhanced Video Car			ble in ThinkPad 760ED	, _	- 810 MB HDD II EIDE 12.5 mm 29H9313 - 1.08 GB HDD II EIDE 12.5 mm 29H9319	
- Composite in and for video capture (ca	S-Video in (NTSC or PAL) apture and digitize video	- 1.2 GB (1.96" or higher models) 29H9325 - 1.4 GB HDD 3L EIDE 12.5 mm 69H8412 - 2.1 GB (1.96" or higher models) 69H8414				
from a TV or VCR), still image capture (capture and digitize still photo images), and overlay. - Composite out and S-Video out to TV - SelectaDockI - SelectaDockI				FEATURES OF 760 MODELS		
or record on VCR th - Mini game port for - Includes video in an (includes one video - Use software called - Hardware accelera Windows™ formerly chip (as in 755CD a integrated into the 9 interpolation in X an conversion when D0	I and video out ports leo in/out cable)-SelectaDock Base Model I39H7405leo in/out cable)-2.88 MB diskette drive66G0108led Digital Video Producer™ eration of 'Video for erly done by a separate ASCII D and 760CD) has now been e 9385 graphics controller; t and Y axis; color space-SelectaDock Base Model I39H7405-66G0108-PCMCIA Cartridge (one Type III)84G1301-FDD External Attachment Kit66G3618-35 watt AC Adapter (slim, 4 pin)76H0119-4 x CD-ROM (UltraBay)39H7413-6 x CD-ROM (UltraBay)85G1957-8 MB SO DIMM 3.3v NP EDO 64 bit92G7340				Setup Pointer (single page) LCD indicator panel Plug and Play 1.0a Discharge battery via mouse click Non-disruptive battery exchange Standby, suspend, safe suspend, and hibernation modes US EPA Energy Star compliant Personalized nameplate in indention Personalized nameplate in indention Personalization screen at startup International Warranty Service 24 hour / 7 day telephone, bulletin board, fax, electronic, and Internet	
movies, video CDs video titles (at 640 externally at 1024 x	<b>s, and Karaoke MPEG</b> x 480, 800 x 600, or				(http://www.pc.ibm.com) support IBM and dealer warranty/service Online Housecall (remote diagnostics)	

ThinkPad EasyServ<sup>™</sup>: customer calls 1-800-772-2227, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business day average turnaround). Overnight repair option in US available for \$99. O = Removable All trademarks are the property of their respective owners No warranties are expressed or implied in this summary (760ED) Compiled by Roger Dodson, IBM. December 1996

## III ThinkPad 760ED (XGA) - withdrawn

IBM <sup>®</sup> ThinkPad <sup>®</sup> :		OM Enha	nood Vide			ThinkPad 760ED strengths over 760CD:
Processor type	Pentium <sup>®</sup> 133/66 (P54CS				orv	Pentium 133/66 MHz (vs 120/60 MHz)
Processorupgrade	None	,				<ul> <li>PCI bus (vs VL-Bus)</li> <li>16 MB EDO memory (vs 8 MB fast page)</li> </ul>
L2 cache Removable diskette	256 KB / write-back / direction 3.5" 1.44 MB O / use in U			G4 bit path to memory (vs 32 bit)		
External FDD port	External FDD port (include	s Floppy D	isk Drive E	nclosure)		9385 64 bit graphics with 2 MB EDO
Removable CD-ROM	5.25" CD-ROM O / 6 x sp EIDE / PIO Mode 3 (ATAF	eed / multi	-session / 2	XA / play with ejec		CardBus PC Card support (32 bit PCI)
Type - model Preload (see side)	9546-U9A Windows 95					Integrated Mwave™ DSP provides:
	2.1 GB / 12 ms O / DMA N	lode 2 or P	IO Mode 4			1) Data modem function
Disk controller	Enhanced IDE / busmaste October 1996 / October 19		supports t	wo internal disks fo	or 4.2 GB	- V.22bis, V.32, V.32bis, v.34 (28.8 Kbps)
	e 12.1 inch XGA color / 640	x 480, 800			siml colors	- G3 fax send/receive (14.4 Kbps) 3 Audio function
Display - techology Graphics - controller	Black Matrix TFT - active Trident™ CYBER9385 / 64				M / 70 ps	- Stereo waveform record and playback
	PCI 2.1 / 32 bit / DCI, Dire				111/10/13	<ul> <li>Qsound support (3-D effect)</li> <li>32 voice MIDI wave table synthesizer</li> </ul>
Gaphics - features	Simultaneous LCD and CF			1004 x 769 w/ 65 5	26 coloro	<ul> <li>SoundBlaster<sup>™</sup> support / text to speech</li> </ul>
Graphics - external Memory - std / max	External SVGA to 1280 x <sup>-</sup> 16 MB / 80 MB (104 MB w/					MPEG audio decode
Memory - upgrade	2 sockets for two JEDEC					<ul> <li>Full telephone (can use opt headset)</li> </ul>
Keyboard / # of keys	Full size alp/num / 85 (8 F			e left bay (UltraBay™) si 2nd disk; ② 2nd battery	upports:	<ul> <li>Telephone answering machine</li> <li>Full duplex speakerphone</li> </ul>
Keyboard slope Pointing / palm rest Ext keyboard support	Automated tilt up keyboa TrackPoint III™ / integrate Yes (with option cable)	d palm rest	5 (jiees)	std diskette drive;   CD CD CD CD CD CD CD CD CD CD CD CD CD	D-ROM າ)	© Digital Simultaneous Voice Data
Dimensions	11.7 x 8.3 x 2.0" (194 cubi	c inches)	⑦ ⑧	IBM Wireless Modem Al IBM Wireless Modem fo	RDIS (option)	WINDOWS 95 PRELOAD     Microsoft Windows 95
Battery - type	l) 6.65 pounds (3.02 kg) Lithium Ion / intelligent <i>op</i>	tional		CDPD (option)		- Online User's Guide - ThinkPad Features
Battery - life (1 batt)	2.2 hours Ni	MH		( <i>pop-up) keyboar</i> ove CD-ROM, disł		- PC Card Director 4.0
Battery - life (2 batt) Charge time - on / off	4.4 hours 2 to 3 hrs / 1.5 to 2.5 hrs		and remo	,	- Diskette Factory 1. Triton CoSession™ Host	
Architecture	ISA (audio, diskette, seria	l, parallel, i		,		2. SofNet FaxWorks <sup>™</sup> Voice <sup>™</sup>
	PCI 2.1 / 32 bit / 33 Mhz (I	ElDE, grap	hics, Card		(pansion)	<ol> <li>Puma TranXit™</li> <li>Compuserv for Windows</li> <li>NetFinity for Windows 95</li> <li>Asymetrix<sup>®</sup> Digital Video Producer™</li> <li>MPEG Sampler (CD-ROM)</li> <li>Lotus SmartSuite 96 CD-ROM</li> </ol>
Docking Station Port replicator	Dock I and II / SelctaDoc Port Replicator I and II / S			lel I		
PC Card Standard slot	s 2 Type I or 2 Type II or 1 T	ype III <b>/ Ca</b> i	dBus 32 b	it PCI / PCMCIA 2.1	compatible	
Serial / parallel ports Other features	One 9 pin; 16550A / one (I APM-aware BIOS / Slim A				e boot	
Video in/out	Composite and S-Video	in/out / ga	me port	,		-
MPEG decoder DSP function	MPEG-1 & MPEG-2 Half F Mwave MDSP2780 DSP v					Easy-Setup is entered by holding F1 when
Data/fax modem	Data/fax modem function	n via DSP (	v.34 to 33.0	6 Kbps) / Mwave 2.	.1	turning on.
Audio support	16 bit audio chip on plan Int stereo speakers / .5 w			ntrol / internal mic	ronhone	ThinkPad 760ED supported batteries:
Jacks	Input jack (3.5 mm) / Outpu	ıt jack (3.5 r	nm) / Joyst	ick/MIDI port (inclue	des cable)	- 760 NiMH Battery (black) 41H9720
Telephone Infrared ports	Telephone / answering ma Infrared ports (front and					- Li-Ion Battery Pack II (gray) 29H9329 - Travel Quick Charger 85G1522
Security	Power-on password / Hard	,				- Car Battery Adapter 49G2167
<b>,</b>	Security keyhole (requires	cable) / S	ecurity latc	h for keyboard and	k	ThinkPad 760ED supported disks:
Preinstalled software	DIMMS (requires cable) / I Windows 95 with application			alization / Security	riate	- (360/750/755 IDE disks not supported) - 720 MB HDD II EIDE 12.5 mm 29H9383
Warranty		ט טשזפוון פוויכ	// ngnt)			- 810 MB HDD II EIDE 12.5 mm 29H9313
Enhanced Video Ca	rd in 760ED provides:	Compatit	le in Thinkl	Pad 760ED family:		- 1.08 GB HDD II EIDE 12.5 mm 29H9319 - 1.2 GB (1.96"+ models) 17 mm 29H9325
- Composite in and	S-Video in (NTSC or PAL)	- Secon	d HDD Ada	pter	29H9333	- 1.4 GB HDD 3L EIDE 12.5 mm 69H8412 - 2.1 GB (1.96"+ models) 17 mm 69H8414
for video capture (c	apture and digitize video		(1 slot / 1 k (2 slot / 2		3545001 3546001	- 3.0 GB (1.96"+ models) 17 mm 45H8789
and digitize still pho	still image capture (capture oto images), and overlay.	- IDE Co	nversion C	Card (for Dock I/II)	46H5994	- 5.1 GB (1.96"+ models) 17 mm 00K7902
- Composite out an	d S-Video out to TV		aDockl		3547001	FEATURES OF 760 MODELS
	<ul> <li>(connect to video out port; NTSC or PAL); or record on VCR the screen of ThinkPad.</li> <li>Mini game port for MIDI or joystick</li> <li>Port Replicator I (w/ PCMCIA slots) 66G3510</li> <li>Port Replicator II</li> </ul>					Setup Pointer (single page)
<ul> <li>Mini game port for</li> </ul>						LCD indicator panel Plug and Play 1.0a
(includes one video	(includes one video in/out cable) - SelectaDock Base Model I 39H7405				Discharge battery via mouse click	
- Ùse software called	software called Digital Video Producer™   - 2 88 MB diskette drive 66G0108					Non-disruptive battery exchange Standby, suspend, safe suspend, and
Haroware acceleration Windows'™ formerl	y done by a separate ASCII	- FDDE	hibernation modes			
chip (as in 755CD a	and 760CD) has now been	- 35 wat	t AC Adapt	er (slim, 4 pin)	66G3618 76H0119	US EPA Energy Star compliant Personalized nameplate in indention
	0385 graphics controller; nd Y axis; color space		-ROM (Ultr -ROM (Ultr		39H7413 85G1957	Personalization screen at startup
conversion when D	CI enabled	- 8 x CD	-ROM (Ultr	raBay)	45H8786	International Warranty Service 24 hour / 7 day telephone, bulletin
- Plays back MPEG	motion videos, CD-I		CD-RÔM	(UltraBay) 3v NP EDO 64 bit	00K7903 92G7340	board, fax, electronic, and Internet
movies, video CD' video titles	s, and Karaoke MPEG	- 16 MB	SO DIMM 3	3.3v NP EDO 64 bit	92G7341	(http://www.pc.ibm.com) support IBM and dealer warranty/service
VIGEO ILLES		- 32 MB		3.3v NP EDO 64 bit	9267342	Online Housecall (remote diagnostics)
1						

ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business day average turnaround). Overnight repair option in US available for \$99. O = Removable

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#### IBM ThinkPad 760XL - withdrawn

	- 760VI		
IBM <sup>®</sup> ThinkPad <sup>®</sup> :	➤ 760XL 12.1" SVGA TFT - thick		
Processor type Processor upgrade L2 cache Removable diskette External FDD port Removable CD-ROM	None <b>256 KB</b> / write-back / direct 3.5" 1.44 MB O / use in UI External FDD port (require	Hz (P55CLM) / 64 bit to L2 cache / 64 bit to memory mapped / 10 ns / synchronous pipelined burst traBay or attach externally via rear ext FDD port ss FDD External Attachment Kit 66G3618) x, 6 x, 6 x, or 8-20 x CD-ROM into UltraBay	WINDOWS 95 PRELOAD - Microsoft Windows 95 OSR2 (FAT16) - Online User's Guide - ThinkPad Features - Diskette Factory - Lotte Organization
Type - model (code) Preload (see side) Avail / withdrawn date Remv disk - size / ms Disk controller		Windows NT Workstation 4.0 April 1997 / January 1998 Mode 2 or PIO Mode 4 1 / supports two internal disks	<ol> <li>Lotus Organizer</li> <li>CompuServ for Windows</li> <li>Puma TranXit™</li> <li>NetFinity for Windows 95</li> <li>Triton CoSession™ Host</li> <li>IntelliLink Connect</li> </ol>
Display - size and type Display - techology		40 x 480, 800 x 600 / 65,536 simultaneous colors matrix / 100 to 1 contrast ratio	<ol> <li>7. IBM AntiVirus</li> <li>8. IBM Internet Connection Services with</li> </ol>
Graphics - controller Graph - arch/data path Graphics - features Graphics - external	Trident <sup>™</sup> CYBER9385 / 64 PCI 2.1 / 32 bit / DCI, Direc Simultaneous LCD and CF External SVGA to 1024 x 7	RT / 180 degree tilt	Netscape Navigator web browser 9. Registration Mailer - Lotus SmartSuite 96 CD-ROM - Recovery CD-ROM with boot diskette - Windows 95 CD-ROM (no installation)
Memory - std / max Memory - sockets avail Memory - features	70 ns / non-parity / 3.3 volt 8 MB in system; 8 MB on m Memory module under disk	32 MB / 104 MB 1 socket available (1 socket uses 16 MB) / EDO / supports JEDEC 144 pin SO-DIMMs emory module with 2 SO-DIMM sockets (not removable) and accessible by opening keyboard BMB on memory module is disabled via switch	WINDOWS NT 4.0 PRELOAD Microsoft Windows NT 4.0 Workstation with utilities and device drivers
Keyboard / # of keys Keyboard slope Pointing / palm rest	<b>v</b>		
Dimensions Weight	11.7 x 8.3 x 2.14" (208) 6.7 pounds (3.05 kg)		
Battery - type Battery - life (1 batt) Charge time - on / off	Lithium lon / intelligent 2.3 hours (4.6 hours with 2 2 to 3 hrs / 1.5 to 2.5 hrs	<i>(optional NiMH battery supported)</i> batteries)	
Architecture Docking Station Port replicator	PCI 2.1 / 32 bit / 33 MHz (		
	2 Type I or 2 Type II or 1 Ty One 9 pin; 16550A / one (II	Depetit / CardBus 32 bit PCI / PCMCIA 2.1 compatible EEE P1284-A, EPP, ECP, bidirectional) C Adapter 2 prong (35 watts) / Selectable boot	ThinkPad 760XL supported batteries:
Video in/out MPEG decoder DSP function Data/fax modem	None None None None	<i>Liftable (pop-up) keyboard</i> to access and remove diskette drive, 1st/2nd disk, and 1st/2nd battery, and other UltraBay options	- 760 NiMH Battery (black)41H9720- Li-Ion Battery Pack II (gray)29H9329- Travel Quick Charger85G1522- Car Battery Adapter49G2167
Audio support Jacks Telephone		e MIDI FM synthesis / ESS1688 tt / slide volume control / internal microphone t jack (3.5 mm)	ThinkPad 760 supported disks: - (360/750/755 IDE disks not supported) - 720 MB HDD II EIDE 12.5 mm 29H9383 210 MB HDD II EIDE 10.5 mm 20H9383
Infrared ports Security	Power-on password / Harc device keyhole (Kensingto	<b>back) /</b> IrDA 1.0 compatible / up to 115 kbs I disk password / Supervisor password / Locking n <sup>™</sup> cable lock) / Security latch for keyboard and con) / PC Card lock / Personalization / Security Plate	- 810 MB HDD II EIDE 12.5 mm 29H9313 - 1.08 GB HDD II EIDE12.5 mm 29H9319 - 1.2 GB (1.96"+ models) 17 mm 29H9325 - 1.4 GB HDD 3L EIDE12.5 mm 69H8412 - 2.1 GB (1.96"+ models) 17 mm 69H8414
Warranty	3 year - ThinkPad EasySe	rv (depot repair service) or carry-in	- 3.0 GB (1.96"+ models) 17 mm 45H8789 - 5.1 GB (1.96"+ models) 17 mm 00K7902
The left bay (UltraBay 1 2nd disk (requires S 2 2nd battery 3 Standard diskette d 4 2.88 MB diskette dr	Second HDD Adapter)	OPTIONS           - Second HDD Adapter         29H9333           - Dock I (1 slot / 1 bay)         3545001           - Dock II (2 slot / 2 bay)         3546001           - IDE Conversion Card (for Dock II)         46H5994	FEATURES OF 760 MODELS
© CD-ROM		Quick Setup Guide (single page) LCD indicator panel Plug and Play 1.0a	
10.2 GB with two 5.1 ( Easy-Setup is entered turning on.		Discharge battery via mouse click Non-disruptive battery exchange Standby, suspend, safe suspend, and hibernation modes	
810 MB = DMA Mode 1.08 GB = DMA Mode 1.2 GB = DMA Mode 1.35 GB = DMA Mode 3.0 GB = DMA Mode 5.1 GB = Ultra DMA	2 or PIO Mode 4 2 1 or PIO Mode 3 2 or PIO Mode 4 2 or PIO Mode 4 2 or PIO Mode 4 2 or PIO Mode 4 33 or PIO Mode 4	<ul> <li>FDD External Attachment Kit 66G3618</li> <li>35 watt AC Adapter (slim, 4 pin) 76H0119</li> <li>4 x CD-ROM (UltraBay) 39H7413</li> <li>6 x CD-ROM (UltraBay) 85G1957</li> <li>8 x CD-ROM (UltraBay) 45H8786</li> <li>8-20 x CD-ROM (UltraBay) 00K7903</li> <li>8 MB SO DIMM 3.3v NP EDO 64 bit 92G7340</li> <li>16 MB SO DIMM 3.3v NP EDO 64 bit 92G7341</li> <li>32 MB SO DIMM 3.3v NP EDO 64 bit 92G7342</li> <li>64 MB SO DIMM 3.3v NP EDO 64 bit 76H0268</li> </ul>	US EPA Energy Star compliant Personalized nameplate in indention Personalization screen at startup International Warranty Service IBM SystemXtra Program 24 hour / 7 day telephone, bulletin board, fax, electronic, and Internet (http://www.pc.ibm.com) support IBM and dealer warranty/service Online Housecall (remote diagnostics) marks are the property of their respective owner

IninkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad a any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business day average turnaround). O = Removable

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#### IBM ThinkPad 760XD - withdrawn

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IBM <sup>®</sup> ThinkPad <sup>®</sup> :	➤ 760XD 12.1" XGA TFT - 8 x CD-ROM - Enhanced Video - MPEG	
Processor type Processor upgrade	Pentium® MMX 166/66 MHz (P55CLM) / 64 bit to L2 cache / 64 bit to memory None	
L2 cache Removable diskette External FDD port Removable CD-ROM	<b>256 KB</b> / write-back / direct mapped / 10 ns / synchronous pipelined burst 3.5" 1.44 MB O / use in UltraBay or attach externally via rear ext FDD port External FDD port (includes Floppy Disk Drive Enclosure) <b>5.25" CD-ROM O / 8 x speed</b> / multi-session / XA / play with eject button EIDE / PIO Mode 3 (ATAPI) / in UltraBay which supports several devices	
Type - model (code) Preload (see side) Remv disk - size / ms Disk controller Avail / withdrawn date	9546-U9E (Michigan MMX) Windows 95 OSR2 3.0 GB / 12 ms ○ / DMA Mode 2 or PIO Mode 4 (C: is 1.99 GB, D: is 885 MB) Enhanced IDE / busmaster / PCI 2.1 / supports two internal disks for 10.2 GB April 1997 / January 1998	
Display - size and type Display - techology	12.1 inch XGA color / 640 x 480, 800 x 600 or 1024 x 768 / 65,536 siml colors Black Matrix TFT - active matrix / 100 to 1 contrast ratio	
Graphics - controller Graph - arch/data path Graphics - features Graphics - external	Trident <sup>™</sup> CYBER9385 / 64 bit SVGA accelerator / <b>2 MB EDO DRAM</b> / 70 ns PCI 2.1 / 32 bit / DCI, DirectDraw, EnDIVE support Simultaneous LCD and CRT / 180 degree tilt External SVGA to 1280 x 1024 w/ 256 colors or 1024 x 768 w/ 65,536 colors	
Memory - std / max Memory - upgrade Mem - implementation	<b>32 MB</b> / 104 MB 70 ns / non-parity / 3.3v / EDO 1 socket avail for one JEDEC 144 pin EDO SO-DIMM of 8, 16, 32, 64 MB 8 MB in system; 8 MB on memory module; 16 MB DIMM in 1 socket; 1 socket avail Memory module under disk (not removable) and accessible by opening the keyboard	Integrated Mwave <sup>™</sup> DSP provides: ① <b>Data modem function</b> - V.22bis, V.32, V.32bis, v.34 (28.8 Kbps)
Keyboard / # of keys Keyboard slope Pointing / palm rest Ext keyboard support	Full size alp/num / 85 (8 Fn key functions)         Automated tilt up keyboard (5.5 degrees)         TrackPoint III™ / integrated palm rest         Yes (with option cable)	<ul> <li>2 Fax modem function         <ul> <li>G3 fax send/receive (14.4 Kbps)</li> <li>3 Audio function                 <ul> <li>Stereo waveform record and playback</li> </ul> </li> </ul> </li> </ul>
Dimensions / weight	11.7 x 8.3 x 2.0" (194 cubic inches) / 7.0 pounds (3.18 kg) with CD-ROM	<ul> <li>Qsound support (3-D effect)</li> <li>32 voice MIDI wave table synthesizer</li> </ul>
Battery - type Battery - life (1 batt) Charge time - on / off	Lithium lon / intelligent optional 2.0 hours (4 hrs with 2 batt) NiMH 2 to 3 hrs / 1.5 to 2.5 hrs <b>Liftable (pop-up) keyboard to access</b> and remove CD-ROM, diskette drive, 1st/2nd disk, and 1st/2nd battery	<ul> <li>SoundBlaster support / text to speech</li> <li>MPEG audio decode</li> <li>Telephone function</li> </ul>
Serial / parallel ports	ISA (audio, diskette, serial, parallel, infrared, ext expansion) PCI 2.1 / 32 bit / 33 Mhz (EIDE, graphics, CardBus, MPEG, ext expansion) Intel Mobile Triton 82430MX PCIset / TI PCI1130 for CardBus Port Replicator I and II / SelectaDock Base Model I Dock I and II / SelectaDock I and II and III 2 Type I or 2 Type II or 1 Type III / CardBus 32 bit PCI / PCMCIA 2.1 compatible One 9 pin; 16550A / one (IEEE P1284-A, EPP, ECP, bidirectional)	<ul> <li>Full telephone (can use opt headset)</li> <li>Telephone answering machine</li> <li>Full duplex speakerphone</li> <li>Digital Simultaneous Voice Data</li> <li>Easy-Setup is entered by holding F1 when turning on.</li> </ul>
Other features Video in/out MPEG decoder DSP function Data/fax modem Audio support Jatks o Telephone Infrared ports	APM-aware BIOS / Slim AC Adapter 2 prong (35 watts) / Selectable boot Composite and S-Video in/out / game port MPEG-1 & MPEG-2 Half Horizontal Resolution (HHR) decoder (MPEGCD1) Mwave MDSP2780 DSP with modem, fax, audio, telephony function Data/fax modem function via DSP (v.34 to 33.6 Kbps) / Mwave 16 bit audio chip on planar with Mwave DSP Int stereo speakers /.5 watt / slide volume control / internal microphone Input jack (3.5 mm) / Dutput jack (3.5 mm) / Joystick/MtDI port (includes cable) Telephone / answering machine / full duplex speakerphone / DSVD Infrared ports (front and back) / IrDA 1.0 compatible / up to 115 kbs	ThinkPad 760XD supported batteries: - 760 NiMH Battery (black) 41H9720 - Li-Ion Battery Pack II (gray) 29H9329 - Travel Quick Charger 85G1522 - Car Battery Adapter 49G2167 ThinkPat 760 supported disks: e - (360/750/755 IDE disks not supported) - 720 MB HDD II EIDE 12.5mm 29H9383
Security Warranty	Power-on password / Hard disk password / Supervisor password / Locking device keyhole (Kensington™ cable lock) / Security latch for keyboard and DIMMS (requires Kensington) / PC Card lock / Personalization / Security Plate <b>3 year</b> - ThinkPad EasyServ (optional Overnight Repair Option) or carry-in	- 810 MB HDD II EIDE 12.5 mm 29H9313 - 1.08 GB HDD II EIDE 12.5 mm 29H9319 - 1.2 GB (1.96"+ models) 17 mm 29H9325 - 1.4 GB HDD 3L EIDE 12.5 mm 69H8412 - 2.1 GB (1.96"+ models) 17 mm 69H8414
Bell r a C -	n i : sD X d0 6 <b>OPTIONS</b> r p - Second HDD Adapter 29H9333 - Dock I (1 slot / 1 bay) 3545001	- 3.0 GB (1.96"+ models) 17 mm 45H8789 - 5.1 GB (1.96"+ models) 17 mm 00K7902 FEATURES OF 760 MODELS
	Dock II (2 slot / 2 bay)       3546001         IDE Conversion Card (for Dock I/II)       46H5994         SelectaDock I       3547001         SelectaDock II       3547002         SelectaDock III       3547003         Port Replicator I (w/ PCMCIA slots)       66G3510         Port Replicator I (w/ PCMCIA slots)       66G3520         SelectaDock Base Model I       39H7405         2.88 MB diskette drive       66G0108         FDD External Attachment Kit       66G3618         35 watt AC Adapter (slim, 4 pin)       76H0119         4 x CD-ROM (UltraBay)       39H7413         6 x CD-ROM (UltraBay)       45H8786         8-20 x CD-ROM (UltraBay)       45H8786         8-20 x CD-ROM (UltraBay)       45H8786         8 MB SO DIMM 3.3v NP EDO 64 bit 92G7340       16 MB SO DIMM 3.3v NP EDO 64 bit 92G7341         32 MB SO DIMM 3.3v NP EDO 64 bit 92G7342       64 MB SO DIMM 3.3v NP EDO 64 bit 76H0268	Quick Setup Guide (single page) LCD indicator panel Plug and Play 1.0a Discharge battery via mouse click Non-disruptive battery exchange Standby, suspend, safe suspend, and hibernation modes US EPA Energy Star compliant Personalized nameplate in indention Personalized nameplate in

ThinkPad EasyServ<sup>™</sup>: customer calls 1-800-772-2227, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business day average turnaround). Overnight repair option in US available for \$99. O = Removable All trademarks are the property of their respective owners No warranties are expressed or implied in this summary (760XD) Compiled by Roger Dodson, IBM. December 1997

### IBM ThinkPad 765L - withdrawn

IBM <sup>®</sup> ThinkPad <sup>®</sup> :	<b>765L</b> 13.3" XGA TFT		
Processor type Processor upgrade L2 cache Removable diskette External FDD port Removable CD-ROM	None 256 KB / write-back / dir 3.5" 1.44 MB O / use in External FDD port (req	<b>MHz</b> (P55CLM) / 64 bit to L2 cache / 64 bit to memory ect mapped / 10 ns / synchronous pipelined burst UltraBay or attach externally via rear ext FDD port uires FDD External Attachment Kit 66G3618) 4 x or 6 x or 8 x CD-ROM into UltraBay	WINDOWS 95 PRELOAD - Microsoft Windows 95 OSR2 (FAT16) - Online User's Guide - ThinkPad Features - Diskette Factory 1. Lotus Organizer
Type - model (code) Preload (see side) Avail / withdrawn date Remv disk - size / ms Disk controller	EIDE / busmaster / PC	A Mode 2 or PIO Mode 4 (C: is 1.99 GB, D: is 885 MB) 2.1 / supports two internal disks / SMART	2. CompuServ for Windows 3. Puma TranXit™ 4. NetFinity for Windows 95 5. Triton CoSession™ Host 6. IntelliLink Connect 7. IBM AntiVirus
Display - techology		40 x 480, 800 x 600 or 1024 x 768 / 65,536 siml colors ive matrix / 100 to 1 contrast ratio	8. IBM Internet Connection Services with Netscape Navigator web browser
Graphics - controller Graph - arch/data path Graphics - features Graphics - external	PCI 2.1 / 32 bit / DCI, Di Simultaneous LCD and	64 bit SVGA accelerator / <b>2 MB EDO DRAM</b> / 70 ns rectDraw, EnDIVE support CRT / 180 degree tilt x 1024 w/ 256 colors or 1024 x 768 w/ 65,536 colors	9. Registration Mailer 10. ThinkPad on the NET 11. America Online - Lotus SmartSuite 96 CD-ROM
Memory - std / max Memory - sockets avail Memory - features	8 MB in system; 8 MB of Memory module under of	cket uses 16 MB) rolt / EDO / supports JEDEC 144 pin SO-DIMMs n memory module with 2 SO-DIMM sockets lisk (not removable) and accessible by opening keyboard he 8 MB on memory module is disabled via switch	<ul> <li>Recovery CD-ROM with boot diskette</li> <li>Windows 95 CD-ROM (no installation)</li> </ul>
Keyboard / # of keys Keyboard slope Pointing / palm rest		ooard (5.5 degrees) ated palm rest / ext keyboard support (with option cable)	
Dimensions Weight	11.7 x 9.3 x 2.23" (243 ) 7.4 pounds (3.34 kg)	cubic inches)	
Battery - type Battery - life (1 batt) Charge time - on / off	Lithium Ion / intelligent 2.1 hours (4.2 hours wit 2 to 3 hrs / 1.5 to 2.5 hrs		
Architecture Docking Station Port replicator PC Card Standard slots Serial / parallel ports Other features	PCI 2.1 / 32 bit / 33 MH Intel Mobile Triton 8243 SelectaDock I and II a Port Replicator I and II 2 Type I or 2 Type II or One 9 pin; 16550A / one	rial, parallel, infrared, ext expansion) z (EIDE, graphics, CardBus, ext expansion) 30MX PCIset / TI PCI1130 for CardBus nd III / SelectaDock Base Model I I Type III / CardBus 32 bit PCI / PCMCIA 2.1 compatible e (IEEE P1284-A, EPP, ECP, bidirectional) Adapter 4 pin 3 prong (56 watts) / Selectable boot	ThinkPad 765L supported batteries:
Video in/out MPEG decoder DSP function Data/fax modem	None None None None	<i>Liftable (pop-up) keyboard</i> to access and remove diskette drive, 1st/2nd disk, and 1st/2nd battery, and other UltraBay options	<ul> <li>760 NiMH Battery (black)</li> <li>41H9720</li> <li>Li-Ion Battery Pack II (gray)</li> <li>29H9329</li> <li>Travel Quick Charger</li> <li>Car Battery Adapter</li> <li>49G2167</li> </ul>
Audio support Jacks Telephone	Int stereo speakers / .5 Input jack (3.5 mm) / out None		ThinkPad 760 supported disks: - (360/750/755 IDE disks not supported) - 720 MB HDD II EIDE 12.5 mm 29H938 - 810 MB HDD II EIDE 12.5 mm 29H931
Infrared ports Security	Power-on password / H device keyhole (Kensin	nd back) / IrDA 1.0 compatible / up to 115 kbs ard disk password / Supervisor password / Locking gton™ cable lock) / Security latch for keyboard and ngton) / PC Card lock / Personalization / Security Plate	- 1.08 GB HDD II EIDE 12.5 mm 29H9319 - 1.2 GB (1.96"+ models) 17 mm 29H9325 - 1.4 GB HDD 3L EIDE 12.5 mm 69H8412 - 2.1 GB (1.96"+ models) 17 mm 69H8414
Warranty Service options		Serv (depot repair service) or carry-in ous day (71 cities) / Warranty extension to 5 years	- 3.0 GB (1.96"+ models) 17 mm 45H8789 - 5.1 GB (1.96"+ models) 17 mm 00K7902
The left bay (UltraBay ① 2nd disk (requires S ② 2nd battery ③ Standard diskette df ④ 2.88 MB diskette dr ⑤ CD-ROM Maximum internal disk 10.2 GB with two 5.1 ( Easy-Setup is entered turning on. 810 MB = DMA Mode 1.08 GB = DMA Mode 1.2 GB = DMA Mode 2.1 GB = DMA Mode 3.0 GB = DMA Mode	Second HDD Adapter) rive capacity on 765L is GB disks I by holding F1 when 2 or PIO Mode 4 3 1 or PIO Mode 4 3 2 or PIO Mode 4 3 2 or PIO Mode 4 3 2 or PIO Mode 4	<ul> <li>Second HDD Adapter 29H9333</li> <li>IDE Conversion Card (for Dock II) 46H5994</li> <li>SelectaDock I 3547001</li> <li>SelectaDock II 3547002</li> <li>SelectaDock III 3547003</li> <li>Port Replicator I (w/ PCMCIA slots) 66G3510</li> <li>Port Replicator I I 66G3520</li> <li>SelectaDock Base Model I 39H7405</li> <li>2.88 MB diskette 66G0108</li> <li>FDD External Attachment Kit 66G3618</li> <li>56 watt AC Adapter (4 pin; 3 prong) 12J2456</li> <li>6 x CD-ROM (UltraBay) 85G1957</li> <li>8 x CD-ROM (UltraBay) 00K7903</li> <li>8 MB SO DIMM 3.3v NP EDO 64 bit 92G7340</li> <li>16 MB SO DIMM 3.3v NP EDO 64 bit 92G7342</li> <li>64 MB SO DIMM 3.3v NP EDO 64 bit 92G7342</li> <li>64 MB SO DIMM 3.3v NP EDO 64 bit 76H0268</li> <li>PCMCIA 33.6 Kbps modem w/ XJACK 55H6759</li> </ul>	FEATURES OF 765 MODELS Quick Setup Guide (single page) LCD indicator panel Plug and Play 1.0a Discharge battery via mouse click Non-disruptive battery exchange Standby, suspend, safe suspend, and hibernation modes US EPA Energy Star compliant Personalized nameplate in indention Personalization screen at startup International Warranty Service IBM System Care Program 24 hour / 7 day telephone, bulletin board, fax, electronic, and Internet (http://www.pc.ibm.com) support IBM and dealer warranty/service

ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business day average turnaround). O = Removable

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#### IBM ThinkPad 765D - withdrawn

IBM <sup>®</sup> ThinkPad <sup>®</sup> :	765D		WINDOWS 95 PRELOAD
Processor type Processor upgrade L2 cache Removable diskette External FDD port Removable CD-ROM	Pentium <sup>®</sup> MMX 166/66 M None 256 KB / write-back / dired 3.5" 1.44 MB O / use in UI External FDD port (include 5.25" CD-ROM O / 8 x sp	OM - Enhanced Video - MPEG Hz (P55CLM) / 64 bit to L2 cache / 64 bit to n traBay or attach externally via rear ext FDD   s Floppy Disk Drive Enclosure) eed / multi-session / XA / play with eject butt 1) / in UltraBay which supports several devic	ThinkPad Features Program     Teatures Program     Diskette Factory Utilities     1. Lotus Organizer     2. CompuServ for Windows     3. Puma TranXit™
	Enhanced IDE / busmaste June 1997 / July 1997 <b>13.3 inch XGA color / 640</b>	lode 2 or PIO Mode 4 / SMART r / PCI 2.1 / supports two internal disks for 10. (C: is 1.99 GB, D: is 885 MB) <b>x 480, 800 x 600 or 1024 x 768 / 65,536 siml</b> (	5. Triton CoSession™ Host 6. SofNet FaxWorks™ Voice 7. Asymetrix <sup>®</sup> Digital Video Producer 8. IntelliLink Connect 9. IBM AntiVirus
Graphics - features Graphics - external	Trident™ CYBER9385 / 64 PCI 2.1 / 32 bit / DCI, Direc Simultaneous LCD and CF	RT / 180 degree tilt 024 w/ 256 colors or 1024 x 768 w/ 65,536 cc	11. Registration Mailer         10. ns         12. ThinkPad on the NET         13. America Online         - MPEG Sampler CD-ROM         lors         - Lotus SmartSuite 96 CD-ROM         - Recovery CD-ROM with boot diskette
	1 socket avail for one JED 8 MB in system; 8 MB on m Memory module under disk	EC 144 pin EDO SO-DIMM of 8, 16, 32, 64 M emory module; 16 MB DIMM in 1 socket; 1 socket not removable) and accessible by opening the ke	t avail
Keyboard / # of keys Keyboard slope Pointing / palm rest Ext keyboard support	Full size alp/num / 85 (8 F Automated tilt up keyboa TrackPoint III <sup>TM</sup> / integrate Yes (with option cable)	rd (5.5 degrees) ① 2nd disk; ② 2nd báttéry ⑦ ③ std diskette drive; ④ std Cl ⑤ 2.88 MB diskette	D-ROM 2 Fax modem function - G3 fax send/receive (14.4 Kbps)
Dimensions / weight Battery - type Battery - life (1 batt) Charge time - on / off	11.7 x 9.3 x 2.23" (243 cub Lithium Ion / intelligent 2.0 hours (4 hrs with 2 batt 2 to 3 hrs / 1.5 to 2.5 hrs	ic inches) / 7.7 pounds (3.49 kg) with CD-ROI optional Liftable (pop-up) keyboard to a and remove CD-ROM, diskette 1st/2nd disk, and 1st/2nd batte	- Stereo waveform record and playback - Qsound support (3-D effect) - 32 voice MIDI wave table synthesizer
Architecture Port replicator Docking Station PC Card Standard slots Serial / parallel ports Other features	PCI 2.1/32 bit/33 Mhz (E Intel Mobile Triton 82430M Port Replicator I and II/S SelectaDock I and II and 2 Type I or 2 Type II or 1 Ty One 9 pin; 16550A/one (II		<ul> <li>MPEG audio decode</li> <li>Telephone function         <ul> <li>Full telephone (can use opt headset)</li> <li>Telephone answering machine</li> <li>Full duplex speakerphone</li> <li>Digital Simultaneous Voice Data</li> </ul> </li> </ul>
Video in/out MPEG decoder DSP function Data/fax modem Audio support Jacks Telephone Infrared ports	Mwave MDSP2780 DSP w Data/fax modem function 16 bit audio chip on plans Int stereo speakers / .5 w Input jack (3.5 mm) / Outpu Telephone / answering ma	orizontal Resolution (HHR) decoder (MPEG rith modem, fax, audio, telephony function a via DSP (v.34 to 33.6 Kbps) / Mwave 2.21	• 760 NiMH Battery (black)41H9720• Li-lon Battery Pack II (gray)29H9329• Travel Quick Charger85G1522able)• Car Battery Adapter49G2167ThinkPad 765 supported disks:
Security	device keyhole (Kensingto DIMMS (requires Kensingt	disk password / Supervisor password / Locki n™ cable lock) / Security latch for keyboard a on) / PC Card lock / Personalization / Security	nd Plate - 1.08 GB HDD II EIDE - 1.2 GB (1.96"+ models) 17 mm 29H9325
Warranty Service Options	On-site, M-F, 8-5, next bus	rv (depot repair service) or carry-in day (71 cities) / Warranty extension to 5 year - Second HDD Adapter 29H9	
<ul> <li>Composite in and for video capture (c: from a TV or VCR), and digitize still pho</li> <li>Composite out and (connect to video o or record on VCR th</li> <li>Mini game port for</li> <li>Includes video in ar (includes video in ar (includes one video</li> <li>Use software called</li> <li>Hardware accelerat Windows™ formert chip (as in 755CD a integrated into the 9 interpolation in X ar conversion</li> <li>Plays back MPEG</li> </ul>	S-Video in (NTSC or PAL) apture and digitize video still image capture (capture to images), and overlay. d S-Video out to TV ut port; NTSC or PAL); e screen of ThinkPad. MIDI or joystick id video out ports in/out cable) Digital Video Producer™	- IDE Conversion Card (for Dock I/II)         46H5           - SelectaDock I         35470           - SelectaDock II         35470           - SelectaDock II         35470           - SelectaDock III         35471           - SelectaDock III         35471           - Port Replicator I (w/ PCMCIA slots)         66G3           - Port Replicator I I         66G3           - FDD External Attachment Kit         66G3           - 56 watt AC Adapter (4 pin; 3 prong)         12J2           - 4 x CD-ROM (UltraBay)         39H7           - 8 x CD-ROM (UltraBay)         45H8           - 8-20 x CD-ROM (UltraBay)         92G7           - 16 MB SO DIMM 3.3v NP EDO 64 bit         92G7           - 16 MB SO DIMM 3.3v NP EDO 64 bit         92G7           - 64 MB SO DIMM 3.3v NP EDO 64 bit         76H0           - 9CMCIA 33.6 Kbps modem XJACK         55H6           - 56K PC Card Modem Kit         04K0	FEATURES OF 765 MODELS001FEATURES OF 765 MODELS002Quick Setup Guide (single page)510Discharge battery via mouse click105Discharge battery via mouse click108Non-disruptive battery exchange108Standby, suspend, safe suspend, and108hibernation modes109US EPA Energy Star compliant113Personalization screen at startup114International Warranty Service118By System Care Program24hour / 7 day telephone, bulletin124board, fax, electronic, and Internet18And dealer warranty/service18Online Housecall (remote diagnostics)

ThinkPad EasyServ<sup>™</sup>: customer calls 1-800-772-2227, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business day average turnaround). O = Removable All trademarks are the property of their respective owners No warranties are expressed or implied in this summary (765D) Compiled by Roger Dodson, IBM. June 1998

### IBM ThinkPad® 770 - withdrawn

IBM <sup>®</sup> ThinkPad <sup>®</sup> :						WINDOWS 95 PRELOAD <sup>16</sup>
Processor type/path Processor features L2 cache Diskette (removable) External FDD port CD-ROM (removble) DVD (removable)	No upgrade / pro 512KB / write-ba 3.5" 1.44MB / in External diskette	bcessor, L2 cach ack / direct mapp encased enclos e port (use std ca D-ROM / 20X-8X PIO Mode 4 for V OM drive / 8 x to	<ul> <li>Microsoft<sup>®</sup> Windows<sup>®</sup> 95 OSR2 (FAT16)</li> <li>Online User's Guide</li> <li>ThinkPad Configuration Program</li> <li>Diskette Factory Utilities</li> <li>1. Puma TranXit; 2. IBM AntiVirus</li> <li>3. Asymetrix Digital Video Producer (1AU)</li> <li>4. RingZero Ring Central (1AU only)</li> <li>5. Intelliquest Registration Mailer</li> <li>6. Voyetra Audiostation</li> </ul>			
Type - model Processor Display (diagonal) Disk (removable) Preload (see side) DVD and Enh Vid Ac Modem Avail/withdrawn date	Opt PC Card	9548-30U 233/66MHz 13.3" XGA 4GB / PIO4 W95 OSR2 Optional Opt PC Card ceptember 1998	9548-31U 233/66MHz 13.3" XGA 4GB / DMA33 NT 4.0 SP3 Optional Opt PC Card	95 <u>49</u> -1AU 233/66MHz 14.1" XGA 5.1GB / PIO4 W95 OSR2 Standard 33.6Kbps (upg)	9548-32U (AAP) 233/66MHz 13.3" XGA None Blank (no disk) Optional Opt PC Card	<ol> <li>8. IBM Internet Connection services with Netscape Navigator web browser</li> <li>9. Intel<sup>®</sup> LANDesk<sup>®</sup> Client Manager</li> <li>10. Intel Video Phone (receive) (1AU only)</li> <li>11. ThinkPad PointCast</li> <li>12. NetMeeting<sup>™</sup> 2.0</li> <li>13. Ergonomics; 14. ThinkPad on the NET</li> </ol>
Memory - std / max Memory - upgrade	2 sockets availa	ble for two JED	EC 144 pin EDO	3 or 100MHz or SDRAM SO-D n mix SDRAM w/ 70		<ul> <li>15. NetFinity for Windows 95</li> <li>Recovery CD-ROM with boot diskette</li> <li>Windows 95 CD-ROM (no installation)</li> <li>Internet Explorer 4.0 CD-ROM</li> </ul>
Display - size (colors Display - techology					<b>36 siml colors</b> )	WINDOWS NT 4.0 PRELOAD
Graphics - controller Graphics - arch Graphics - features Graphics - external	Trident <sup>™</sup> CYBE PCI 2.1 / Direct3 3D hardware ac	R9397 / 64-bit S D, DirectDraw, I celerator / inter	VGA accelerator DirectVideo, Activ polation in X and	r / 2MB SGRAM / veMovie support /	ZV interface	<ul> <li>Windows NT® Workstation (FAT16)</li> <li>Advanced NT extensions:         <ul> <li>Power management</li> <li>UltraBay Plug and Play</li> </ul> </li> </ul>
Disk (removable) Disk controller	Enhanced IDE /	busmaster / PCI	2.1 / 430TX Sou	crew, security too th Bridge / PIIX4 / DMA/33, or PIO N	supports two	<ul> <li>DVD (storage only; no DVD movies)</li> <li>Hot Plug PC Card; MPEG-2 playbck</li> <li>3D graphics (OpenGL)</li> <li>Video capture</li> </ul>
Keyboard / Fn keys Keyboard slope Pointing device	TrackPoint® / Pr	oes not lift up) / r ress-to-Select / F	ear legs pop up ( Release-to-Selec	palm rest (5.5 degrees slope ct / dragging / click s / suspension top	pace/	<ul> <li>Video capitale</li> <li>Online User's Guide</li> <li>ThinkPad Configuration Program</li> <li>IBM AntiVirus</li> <li>IBM Internet Connection services with</li> </ul>
Dimensions Weight <sup>2</sup>	1AU: 12.3 x 10 x Others: 12.3 x 9			Netscape Navigator web browser		
Battery - type Battery - life (1 batt) Charge time - on / of	Lithium Ion / intel 1AU: 3.5 hrs (7	lligent / left side hrs with second	The right boy (UltreBoy/MII) best ED on			
Architecture Port replicator Docking Station PC Card Std slots USB / serial / paralle Other features		33Mhz (EIDE, <u>c</u> Iset / TI PCI125 0 / PC Card Ena / SelectaDock e II, or 1 Type pin serial; 1655	ext expansion) nometer A 2.1 / Zoomed Video P, bidirectional)	<ul> <li>① std diskette; ② optional DVD drive;</li> <li>③ optional CD-ROM; ④ optional 2nd disk;</li> <li>⑤ optional 2nd battery; ⑥ optional ThinkPad Proven™ VST Zip™ 100 drive;</li> <li>Easy-Setup is entered by holding F1 when turning on.</li> </ul>		
Video in/out MPEG decoder Data/fax modem Audio support Jacks Infrared ports	eatures         APM-aware BIOS / AC Adapter barrel, 3 prong (56 watts) / Selectable boot           n/out         1AU or option: Video in/out (composite and S-Video) / SAA7111A NTSC/PAL           decoder         1AU or option: MPEG-2 / IBM MPEGCD1M / 2MB SDRAM; 100MHz           ix modem         1AU: 33.6Kbps (56Kbps upgradeable via x2 <sup>8</sup> ) / 14.4Kbps fax / telephony / integrated Mwave® 3780i DSP / international programmable DAA           support         16-bit / CS4237B / SRS 3D audio / FM synthesis / software decodes AC3 into stereo Int stereo speakers (front) / 1 watt / rotary volume control (right) / int microphone Input jack (3.5 mm) / Output jack (3.5 mm) / full duplex					<ul> <li>- 4.0GB 13ms read/14ms write 12.5 mm PIO Mode 4 or Ultra DMA/33</li> <li>- 5.1 and 8.1GB 12ms read/13ms write</li> </ul>
Security Limited warranty <sup>11</sup>	Power-on passw personalization / <b>3 year</b> - ThinkPa	phillips-head sc	Bay II bays	- All 760 supported disks (requires opt adaptr)		
Service options <sup>15</sup>	On-site, M-F, 8-5	5, nexť bus dày (	72 cities) / warra	nty extension to 5	years	FEATURES OF 770 MODELS Wired for Management 1.1a
<ul> <li>(standard in 1AU; optional all others):</li> <li>MPEG-1, MPEG-2 HHR, and full MPEG-2 hardware decoder (audio decoded via software)</li> <li>DVD movie playback (MPEG-2 decoding; decryption and audio decoding via software)</li> <li>Video in (composite and SVHS) (NTSC or PAL); or VCR), still image capture (capture and digitize still photo images), and overlay</li> <li>Video out (composite and SVHS) to TV (connect to video out port; NTSC or PAL); or record on VCR the screen of ThinkPad</li> <li>Dolby® Digital AC-3<sup>6</sup> (outputs undecoded Dolby Digital signal from AC-3 connector; CSA8404A); requires external AC3 decoder/amplifier</li> <li>Three ports - ① video in, ② video out, ③ AC-3</li> <li>And Disk Adapter (for 760/770 disks)</li> <li>8.1GB disk, 12ms, Ultra DMA/33</li> <li>8.1GB disk, 12ms, Ultra DMA/33</li> <li>8.1GB disk, 12ms, Ultra DMA/33</li> <li>9.816736</li> <li>9.81624</li> <li>9.81624</li> <li>9.81624</li> <li>9.81624</li> <li>9.81624</li> <li>9.816744</li> <li>9.816744</li> <li>9.816745</li> <li>9.816745</li> <li>9.816745</li> <li>9.816745</li> <li>9.816746</li> <li>9.816745</li> <li>9.816746</li> <li>9.816745</li> <li>9.816746</li> <li>9.816745</li> <li>9.8316745</li> <li>9.816745</li> <li>9.816745<!--</td--><td>24 hour / 7 day telephone, bulletin board, fax, electronic, and Internet</td></li></ul>						24 hour / 7 day telephone, bulletin board, fax, electronic, and Internet

ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business day average turnaround).

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# III ThinkPad<sup>®</sup> 770E and 770ED - withdrawn

IBM <sup>®</sup> ThinkPad <sup>®</sup> :	770E	770E	770ED	770E (AAP)		WINDOWS 95 PRELOAD <sup>16</sup>			
Processor features L2 cache Diskette (removable External FDD port CD-ROM (removble)	Pentium® II 266/66 No upgrade / proces 512KB / write-back 3.5" 1.44MB / in enc External diskette po Option: 5.25" CD-F EIDE (ATAPI) / PIO Std or option: DVD requires DVD and E	ssor, L2 cache, and / 4 way set associa cased enclosure / u ort (use std cable to <b>ROM / 24X-10X<sup>5</sup> sp</b> ) Mode 4 for W95; E <b>drive /</b> 8 x to 16 x s	7GB)	<ul> <li>Microsoft<sup>®</sup> Windows<sup>®</sup> 95 OSR2.1 (FAT16)</li> <li>Online User's Guide</li> <li>ThinkPad Customization Center</li> <li>ThinkPad Configuration Program</li> <li>SystemSoft CardWorks</li> <li>Diskette Factory Utilities</li> <li>Puma IntelliSync 97; 2. IBM AntiVirus</li> <li>Asymetrix Digital Video Producer (5AU)</li> <li>RingZero Ring Central (5AU only)</li> </ul>					
Type - model Display (diagonal) Disk (removable) DVD-ROM drive Preload (see side) DVD and Enh Vid Ac Modem Avail / withdr date Memory - std / max Memory - upgrade	Opt PC Card April 1998 / Decemb 32MB / 288MB <sup>3</sup> SDRAM / 83 or 100 144 pin SDRAM SC	<b> 32MB</b> / 288MB <sup>3</sup> MHz / non-parity / 3 D-DIMMs / sockets	9549-5AU 14.1" TFT XGA 8.1GB / PIO4 Standard DVD W95 OSR2.1 Standard 56Kbps 64MB / 288MB <sup>3</sup> 3.3v / 2 sockets availa accessed by removir x768 (16 million simu	ng screw on botton	C	<ul> <li>Intelliquest Registration Mailer</li> <li>Voyetra Audiostation</li> <li>ConfigSafe</li> <li>IBM Internet Connection services with Netscape Navigator web browser</li> <li>Intel® LANDesk® Client Manager</li> <li>Intel Video Phone (receive) (5AU only)</li> <li>ThinkPad PointCast</li> <li>Ergonomics</li> <li>ThinkPad on the NET</li> <li>NetFinity for Windows 95</li> <li>Recovery CD-ROM with boot diskette</li> </ul>			
Display - techology	Active Matrix TFT -	- 100 to 1 contrast /	150 nits (AC) / 90 nits	s (batt) / 180 degre		Customization CD-ROM (apps/drivers) WINDOWS NT 4.0 PRELOAD			
Graphics - arch Graphics - features Graphics - external	PCI 2.1 / Direct3D, I <b>3D hardware accel</b> External SVGA to 12	DirectDraw, DirectV erator / interpolatio 280x1024 w/ 64K cc	rator / <b>4MB SGRAM</b> / /ideo, DirectX 5.0 supp n in X and Y axis / co plors (85Hz) or 1024x	oort / ZV interface lor space conversio 768 w/ 16M colors		<ul> <li>Windows NT® Workstation (FAT16)</li> <li>Service Pack 3</li> <li>Internet Explorer 4.01</li> <li>Advanced NT extensions</li> </ul>			
Disk (swappable) Disk controller	Enhanced IDE / bus	master / PCI 2.1 / 4	tch, coin screw, secur 30TX South Bridge / F le 2, Ultra DMA/33, or	PIIX4 / supports tw	0	<ul><li>Online User's Guide</li><li>ThinkPad Configuration Program</li></ul>			
Keyboard / Fn keys Keyboard slope Pointing device	TrackPoint® / Press	s not lift up) / rear leg s-to-Select / Release	ntegrated palm rest  s pop up (5.5 degrees e-to-Select / dragging ifying glass / suspens	/ click pace/	os	<ul> <li>SystemSoft CardWizard</li> <li>IBM AntiVirus</li> <li>IBM Internet Connection services with Netscape Navigator web browser</li> <li>Intel LANDesk Client Manager</li> </ul>			
Dimensions Weight <sup>2</sup>	12.3 x 10 x 2.2" (270 Others: 7.6 pounds		.8 pounds (3.5 kg) wit ery/diskette	h battery/diskette		<ul><li>Artisoft ConfigSafe</li><li>Puma IntelliSync 97</li></ul>			
	Lithium Ion / intellige 3.5 hrs (7 hrs with se f2 to 3 hrs / 1.5 to 2.5	econd battery in Ulti	raBay II)			♦ Customization CD-ROM (apps/drivers)			
Architecture Port replicator Docking Station PC Card Std slots USB / serial / paralle Other features	Intel 440BX PCIset / TI® PCI1250A for CardBus / LM75 digital thermometer PCI 2.1 / 32-bit / 33MHz (EIDE, graphics, CardBus, MPEG, USB, ext expansion) PC97338 Super I/O / ISA (audio, modem, diskette, serial, parallel, infrared, ext exp) SelectaBase 770 / PC Card Enabler <sup>18</sup> / PC Card Enabler with Adv EtherJet <sup>18</sup> SelectaDock III / SelectaDock I and II 2 Type 1, 2 Type II, or 1 Type III / CardBus / PCMCIA 2.1 / Zoomed Video el One USB / one 9 pin serial; 16550A / one (IEEE P1284-A, EPP, ECP, bidirectional) APM-aware BIOS / AC Adapter barrel, 3 prong (56 watts) / Selectable boot					The right bay (UltraBay™ II) has LED on release latch to provide status; it supports hot swapping; it supports: ① std diskette; ② optional DVD drive; ③ optional CD-ROM; ④ optional 2nd disk; ⑤ optional 2nd battery; ⑥ optional ThinkPad Proven™ VST Zip™ 100 drive			
Video in/out MPEG decoder Data/fax modem Audio support Jacks Infrared ports	5AU or option: Vide 5AU or option: MPE 5AU: 56Kbps (x2, u integrated Mu 16-bit / CS4237B / S Int stereo speakers Input jack (3.5 mm)/ Infrared ports (front	EG-2 / IBM MPEGCE upgradeable to v.90 <sup>8</sup> wave <sup>®</sup> 3780i DSP / iu SRS 3D audio / FM (front) / 1 watt / rota <sup>7</sup> output jack (3.5 mm	tereo e	- 5.1GB 12ms read/13ms write 17 mm PIO Mode 4 or Ultra DMA/33					
Security	Power-on password personalization / phi	l / hard disk passwo	nole /	- 8.1GB 12ms read/13ms write 17 mm PIO Mode 4 or Ultra DMA/33					
Limited warranty <sup>11</sup> Service options <sup>15</sup>	<b>3 year</b> - ThinkPad E Rapid Depot Repair On-site <sup>32</sup> , M-F, 8-5,	und)	- All 760 supported disks (requires opt adaptr) PC 97 compliant DMI 2.0 compliant DMI instrumentation (thermal monitoring)						
<ul> <li>provides (standard</li> <li>MPEG-1, MPEG-hardware decod</li> <li>DVD movie play! decryption and au</li> <li>Video in (composide video capture (cail or VCR), still image still photo images</li> <li>Video out (composide video out (connect to video out (conn</li></ul>	osite and SVHS) to T out port; NTSC or P, the screen of ThinkF <b>C-3</b> <sup>6</sup> (outputs undeco ) AC-3 connector; CS AC3 decoder/amplifie video in. © video out,	thers):       -       8.         2G-2       -       Side         a software)       -       Side         ding;       -       Pr         ware)       -       76         iC or PAL) for       -       50         eo from a TV       -       22         nd digitize       -       24         V       -       Di         AL);       -       16         Pad       -       32         vA8404A);       -       90         gr       -       V         ③ AC-3       -       Th	1GB disk, 12ms, Ultra 1GB disk, 12ms, Ultra 1GB disk, 12ms, Ultra nd Disk Adapter (for 76 electaBase 770 electaBase 770 electaBase 770 electaBase 770 electaBase 770 electaBase 770 electaBase 770 swatt AC Adapter (ba 00 UltraBay III <sup>18</sup> C Card Enabler with 50 UltraBay Tray for 50 watt AC Adapter (ba 00 AC Adapter (ba 30 C Ard Co-ROM Drive 4X-10X CD-ROM Drive 4X-10X	a DMA/33 02K( 50/770 disks) 11J8 83H4 3547 EtherJet <sup>18</sup> 05K4 SD III 11J8 rrel; 3 prong) 83H6 je (UltraBay II) 11J8 re (UltraBay II) 02K( ) 05K8 apter 11J8 P SDRAM 76H6 P SDRAM 76H6 P SDRAM 76H6 P Connection 04K( 0 with XJACK <sup>24</sup> 10L7 ttery 83H6	0517 3836 6735 7003 4820 8839 6739 6739 0516 8886 3957 0293 0294 0295 0064 7393 6738	ACPI ready (APM enabled) Wired for Management 1.1a compliant Wake on LAN™ support <sup>28</sup> C: is 1.99G, D: up to 1.99G (FAT32), etc. Setup Guide, User's Guide, Up and Running, Windows 95 manual LCD indicator panel Plug and Play 1.0a Non-disruptive battery exchange Standby, suspend, safe suspend, and hibernation modes ENERGY STAR compliant International Warranty Service <sup>14</sup> IBM SystemXtra <sup>™</sup> 24 hour /7 day telephone <sup>30</sup> , bulletin board, fax, electronic, and Internet (www.ibm.com/pc/us) support			

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# IBM ThinkPad<sup>®</sup> 770X - withdrawn

IBM <sup>®</sup> ThinkPad <sup>®</sup> :	770X	770X	770X	770X	770X (AAP)	
Processor	Intel <sup>®</sup> Mobile Pe	ntium <sup>®</sup> II 300MH	z <sup>1</sup> / 66MHz system	m bus		- Microsoft® Windows® 98
Processor features L2 cache Diskette (removable) External FDD port CD-ROM (removble) DVD-ROM (remvble)	No upgrade / pro <b>512KB</b> / write-ba 3.5" 1.44MB / in e External diskette <i>Std or option:</i> <b>CI</b> <i>Std or option:</i> <b>2X</b>	cessor, L2 cache ck / 4 way set as encased enclosu port (use std cat D-ROM / 24X-10) <sup>5</sup> DVD drive / 16	e, and MTXC (Nor sociative/ sync pi re / use in UltraBa ble to attach diske X <sup>5</sup> speed / bootab X-8X <sup>5</sup> speed / CA	th Bridge) on M pelined burst / ay™ II or attach tte drive exterr le / hot swap/ u V / use in Ultral	ECC / 150MHz externally nally) ise in UltraBay II Bay II	<ul> <li>Online User's Guide</li> <li>ThinkPad Configuration Program</li> <li>ThinkPad Utilities</li> <li>IBM Registration</li> <li>Puma IntelliSync 97</li> <li>Norton AntiVirus</li> </ul>
Type - model Preload (see side) DVD or CD-ROM Display (diagonal) Disk (removable) Avail / withdr date	9549-71U Windows 98 DVD-ROM 14.1" TFT XGA (* 8.1GB <sup>4</sup> / 12ms re October 1998 / J	ad / 13ms write	9549-7AU Windows 98 DVD-ROM 13.7" TFT SXGA	9549-7BU NT 4,0 CD-ROM A (1280x1024)	9549-73U(AAP) Blank (no disk) Optional 14.1" TFT XGA None	Mediamatics DVD Express     Artisoft ConfigSafe     IBM Global Network Dialer     Netscape Navigator web browser     ThinkPad on the Net     RingCentral
Memory - std / max Available sockets Memory - features	64MB / 320MB <sup>21</sup> 2 available socke SDRAM / 66MHz 64MB on mother	/ non-parity / 3.3		ed by 64MB) by removing s	crew on bottom	<ul> <li>Intel Video Phone</li> <li>Ergonomics</li> <li>Update Connector</li> <li>⇒ Reovery CD-ROM (with boot diskette)</li> <li>⇒ Customization CD-ROM (apps/drivers)</li> </ul>
Display - size Display - colors Display - techology	14.1" (358mm) c 16.7 million simu Active Matrix TF	Itaneous colors	65,536 simultan		280x1024	WINDOWS NT 4.0 PRELOAD <sup>16</sup>
Graphics - controller Graphics - arch Graphics - features Graphics - external		R9397DVD/Acc 3MHz celerator/AGP-	elerated Graphic  8MB SGRAM / 8 1x / sideband / mo	33MHz i <b>tion compens</b>	4MB SGRAM ation / Direct3D	<ul> <li>Windows NT<sup>®</sup> Workstation 4.0</li> <li>Service Pack 3</li> <li>Internet Explorer 4.01</li> <li>Advanced NT extensions</li> <li>Online User's Guide</li> </ul>
Disk (swappable) Disk controller	Left side / remova Enhanced IDE / b DMA Mode 2, Ult	ousmaster / PCI 2	.1 / PIIX4E / supp	ew, security too orts two interna	I / SMART al disks /	<ul> <li>ThinkPad Utilities</li> <li>ThinkPad Configuration Program</li> <li>Norton AntiVirus (OEM Version)</li> </ul>
Keyboard / Fn keys Keyboard slope Pointing device	Full size alp/num Flat keyboard (do <b>TrackPoint</b> ®/Pre center click buttor	es not lift up) / re ess-to-Select / Re	ar legs pop up (5.8 elease-to-Select /	5 degrees slope dragging / click	pace/	<ul> <li>IBM Global Network Dialer</li> <li>Netscape Navigator web browser</li> <li>Ergonomics</li> <li>IBM Registration</li> <li>SystemSoft CardWizard</li> </ul>
Dimensions/weight	2 12.3 x 10 x 2.2" (2 13.7" mod: 7.63			(3.43 kg) with	battery/diskette	ConfigSafe     Puma IntelliSync 97
Battery - type Battery - life <sup>10</sup> (1 batt) Charge time - on / of	Lithium lon / intell 3.5 hrs (7 hrs with	igent / left side second battery				<ul> <li>Recovery CD-ROM (with boot diskette)</li> <li>Customization CD-ROM (apps/drivers)</li> <li>All models:</li> </ul>
Architecture Port replicator Docking Station PC Card Std slots USB / serial / paralle Other features	Intel 440BX AGPset / Intel 82371EB PIIX4E (EIDE, ISA Bridge, USB) / TI® PCI1251 for CardBus / AGP for graphics / LM75 digital thermometer PCI 2.1 / 32-bit / 33MHz (EIDE, CardBus, audio, USB, ext expansion) PC97338 Super I/O / ISA (audio, modem, diskette, serial, parallel, infrared, ext exp) SelectaBase 770 / PC Card Enabler <sup>18</sup> / PC Card Enabler with Adv EtherJet <sup>18</sup> SelectaDock III / SelectaDock I and II 2 Type 1, 2 Type II, or 1 Type III / CardBus / PCMCIA 2.1 / Zoomed Video IOne USB / one 9 pin serial; 16550A / one (IEEE P1284-A, EPP, ECP, bidirectional) APM-aware BIOS / AC Adapter barrel, 3 prong (56 watts) / Selectable boot					<ul> <li>C: drive is FAT16 of 2GB</li> <li>D: drive is FAT32 (if W98) or FAT16 (if NT) of remaining space</li> <li>The right bay (UltraBay<sup>™</sup> II) has LED on release latch to provide status; supports hotswapping:</li> <li>std diskette</li> <li>std or optional DVD drive</li> <li>std or optional CD-ROM</li> </ul>
Video in/out MPEG Data/fax modem Audio support Jacks Infrared ports	Option on DEVA: Software support 56Kbps (x2, upgr integrated Mwave CS4239: ISA / SF CS4610: PCI / de Int stereo speake Input jack (3.5 mn Infrared ports (fro	for MPEG-2 <sup>27</sup> be adeable to v.90 <sup>8</sup> \$ 3780i DSP / int RS 3D audio / FM codes AC3 into s rs (front) / 1 watt h) / output jack (3.	ecord accel of DirectX	<ul> <li>optional 2nd disk</li> <li>optional 2nd battery (requires adapter; cold swap only)</li> <li>optional ThinkPad Proven<sup>™</sup> VST Zip<sup>™</sup> 100 drive or SuperDisk (LS-120) drive (cold swap only)</li> <li>ThinkPad 770 supported disks:</li> <li>- 3.2GB 13ms read/14ms write 17 mm</li> </ul>		
Security	Power-on passwo personalization /	phillips-head scre	ews on base for ba	attery and Ultra	Bay II bays	<ul> <li>- 4.0GB 13ms read/14ms write 12.5 mm</li> <li>- 5.1GB 12ms read/13ms write 17 mm</li> <li>- 8.1GB 12ms read/13ms write 17 mm</li> </ul>
Limited warranty <sup>11</sup> Service options <sup>15</sup>	<b>3 year</b> - carry-in c average turnarour On-site <sup>32</sup> , M-F, 8-	nd			,	- All 760 supported disks (requires opt adaptr) PC 97 compliant
Optional DVD and E (DEVA) 10L1228 pr	Enhanced Video A		- 5.1GB disk, 12	ms, Ultra DMA/	33 11J8947	DMI 2.0 compliant DMI instrumentation (thermal monitoring)
<ul> <li>MPEG-1, MPEG- hardware decod IBM MPEGCD1M</li> <li>DVD movie play! decryption and au</li> <li>Video in (composide video capture (ca or VCR), still images</li> <li>Video out (composide video capture) (connect to video out (composide video out (composide video out (composide video out (composide video out (connect to video out</li></ul>	2 HHR, and full M er (audio decoded / 2MB SDRAM; 10 back <sup>27</sup> (MPEG-2 du idio decoding via s site and SVHS) (N' pture and digitize v ge capture (capture ), and overlay osite and SVHS) to o out port; NTSC or the screen of Thir	via software); )0MHz ecoding; oftware) TSC or PAL) for video from a TV and digitize o TV PAL); kPad coded Dolby CSA8404A); ifier	<ul> <li>8.1GB disk, 12r</li> <li>14.1GB disk, 12r</li> <li>2nd Disk Adapt</li> <li>SelectaBase 7</li> <li>SelectaDock II</li> <li>PC Card Enab</li> <li>760 UltraBay 1</li> <li>56 watt AC Ada</li> <li>24X-10X CD-R</li> <li>22M DVD Drive</li> <li>DVD and Enh \</li> <li>32MB SO DIMN</li> <li>44MB SO DIMN</li> <li>128MB SO DIMN</li> <li>V.90 PC Card I</li> <li>ThinkPad 770 I</li> <li>External Batter</li> </ul>	2ms, Ultra DM/ ter (for 760/770 o 70 II <sup>18</sup> Ier with Ether. Tray for SD III poter (barrel; 31 OM Drive (Ultra (Ultra Bay II) /ideo Adapter ( 13.3v NP SDRA 13.3v NP SDRA M 3.3v NP SDRA Modem with X. Li-Ion Battery	\/33         02K0526           Jisks)         11J8836           83H6735         3547003           Jost         05K4820           11J8839         05K4820           porong)         83H6739           aBy II)         02K0516           05K8886         05K8886           DEVA)         10L1228           M         76H0294           AM         01K1150	Wired for Management 1.1a compliant Wake on LAN® support <sup>28</sup> Setup Guide, User's Guide, Windows 98 or NT manual LCD indicator panel Plug and Play 1.0a Non-disruptive battery exchange Standby, suspend, safe suspend, and hibernation modes ENERGY STAR compliant International Warranty Service <sup>14</sup> IBM SystemXtra®. <sup>35</sup> 24 hour / 7 day telephone <sup>30</sup> , bulletin board, fax, electronic, and Internet

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# IBM ThinkPad® 770Z - withdrawn

IBM <sup>®</sup> ThinkPad <sup>®</sup> :	770Z	770Z	770Z	770Z	770Z (AAP)	WINDOWS 98 PRELOAD <sup>16</sup>	
Processor Processor features L2 cache Diskette (removable) External FDD port CD-ROM (removble) DVD-ROM (remvble)	External diskette Std or option: CE Std or option: 2X	cessor, L2 cache (full speed) / sy encased enclosu port (use std cat -ROM / 24X-10) DVD drive / use	e, and MTXC (No /nc pipelined bur re / use in UltraE ble to attach disk X <sup>5</sup> speed / boota e in UltraBay II / (	orth Bridge) on M rst / write-back / Bay™ II or attach ette drive extern ble / hot swap/ r CD-ROM speed	ECC nexternally nally) use in UltraBay II of 16X-8X <sup>5</sup>	<ul> <li>Microsoft<sup>®</sup> Windows<sup>®</sup> 98</li> <li>Online User's Guide</li> <li>ThinkPad Configuration Program</li> <li>ThinkPad Utilities</li> <li>IBM Registration</li> <li>Puma IntelliSync 97</li> <li>Norton AntiVirus (OEM Version)</li> </ul>	
Type - model Preload (see side) DVD or CD-ROM Display (diagonal) Disk (removable) Avail / withdrawn	14.1" TFT XGA (1 14.1GB <sup>4</sup> / 12ms / February 1999 /	4902rpm / PIO4 December 1999	9549-8AU Windows 98 DVD-ROM 13.7" TFT SXG or Ultra DMA/33	9549-8BU NT 4,0 CD-ROM A (1280x1024) / 17mm high	9549-83U (AAP) Blank (no disk) Optional 14.1" TFT XGA None	Mediamatics DVD Express (DVD mod)     ConfigSafe     IBM Global Network Dialer     Netscape Communicator     Universal Management Agent     Access ThinkPad	
Memory - std / max Available sockets Memory - features	128MB / 320MB <sup>2</sup> 1 available socke SDRAM / 66MHz 64MB on mother	t (one used by 6 / non-parity / 3.3	v / sockets access			<ul> <li>ThinkPad on the Net</li> <li>RingCentral</li> <li>Intel Video Phone</li> <li>IBM Update Connector</li> <li>\$ Software Selections CD-ROM</li> </ul>	
Display - size Display - colors Display - technology	14.1" (358mm) c 16.7 million simu Active Matrix TF	Itaneous colors	65,536 simulta	SXGA color / 1 neous colors at	1280x1024 1280x1024	<ul> <li>♦ Recovery CD-ROM (Windows 98)</li> <li>♦ Recovery CD-ROM (Windows 95)<sup>7</sup></li> </ul>	
Graphics - controller Graphics - arch Graphics - features Graphics - external	4MB SGRAM / 8	3MHz <b>celerator</b> / AGP-	8MB SGRAM / 1x / sideband / r	83MHz notion compen	4MB SGRAM	<ul> <li>WINDOWS NT 4.0 PRELOAD<sup>16</sup></li> <li>Windows NT<sup>®</sup> Workstation 4.0</li> <li>Service Pack 4a</li> <li>Online User's Guide</li> </ul>	
Disk (swappable) Disk controller	Left side / remova Enhanced IDE / b DMA Mode 2, Ultr	usmaster / PCI 2	2.1 / PIIX4E / sup			ThinkPad Utilities     ThinkPad Configuration Program     Norton AntiVirus (OEM Version)	
Keyboard / Fn keys Keyboard slope Pointing device	Full size alp/num Flat keyboard (do <b>TrackPoint</b> ®/Pre center click buttor	es not lift up) / re ess-to-Select / Re	ar legs pop up (5 elease-to-Select ;	.5 degrees slop / dragging / click	pace/	IBM Global Network Dialer     Netscape Communicator     Universal Management Agent     Access ThinkPad     IBM Update Connector	
Dimensions / weight	2 12.3 x 10 x 2.2" (2 13.7" mod: 7.85			s (3.53 kg) with	battery/DVD	<ul> <li>IBM Registration</li> <li>SystemSoft CardWizard</li> </ul>	
Battery - life <sup>10</sup> (1 batt) Charge time - on / of			in UltraBay II) / lit	hium Ion / intelli	gent / left side	<ul> <li>ConfigSafe</li> <li>Puma IntelliSync 97</li> <li>Software Selections CD-ROM</li> </ul>	
Architecture	Intel 440BX AGF TI® PCI1251 for 0 PCI 2.1 / 32-bit / 3 PC97338 Super I	CardBus / AGP fo 33MHz (EIDE, C	ometér sion)	<ul> <li>♦ Software Selections CD-ROM</li> <li>♦ Recovery CD-ROM (Windows NT)</li> <li>All models:</li> </ul>			
Port replicator Docking Station PC Card Std slots USB / serial / paralle Other features	SelectaBase 770 SelectaDock III <sup>18</sup> 2 Type 1, 2 Type	) / PC Card Enat <sup>3</sup> <b>/ SelectaDock</b> II, or 1 Type III / pin serial; 16550	bler <sup>18</sup> / PC Card E I and II CardBus / PCM A / one (IEEE P1	Enabler with Ad ICIA 2.1 / Zoom 284-A, EPP, EC	v EtherJet <sup>18</sup> ed Video CP, bidirectional)	<ul> <li>C: drive is FAT16 of 2GB</li> <li>D: drive is FAT32 (if W98) or FAT16 (if NT) of remaining space</li> <li>The right bay (UltraBay™ II) has LED on</li> </ul>	
Video in/out MPEG-2 playback <sup>27</sup> DVD movie playback <sup>3</sup> Data/fax modem	<i>Option on DEVA: W98 models:</i> Fu	Video in/out (con Il MPEG-2 playb es	mposite and S-Vi ack NT mode NT mode	deo) / SAA7111 ls: Optional via ls: No (limitatio	A NTSC/PAL DEVA	<ul> <li>release latch to provide status; supports hot swapping:</li> <li>std diskette</li> <li>std or optional DVD drive</li> </ul>	
Audio support	international prog CS4239: ISA / SF CS4610: PCI / de Int stereo speake	RS 3D audio / FM codes AC3 into s rs (front) / 1 watt	accel of DirectX	<ul> <li>std or optional CD-ROM</li> <li>optional 2nd disk</li> <li>optional 2nd battery (requires adapter; cold swap only)</li> <li>optional ThinkPad Proven™ VST Zip™</li> </ul>			
Jacks Infrared ports	Input jack (3.5 mm Infrared ports (fro	nt and back) / IrD	A 1.1 compatible	e / up to 4Mbps		100 drive or SuperDisk (LS-120) drive (cold swap only)	
Security	Power-on passwo personalization / J	phillips-head scre	ews on base for b	attery and Ultra	Bay II bays	PC 97 compliant	
Limited warranty <sup>11</sup>	3 year - carry-in c average turnarour	nd)				DMI 2.0 compliant DMI instrumentation (thermal monitoring) ACPI ready (APM enabled)	
Service options <sup>15</sup> Optional <b>DVD and B</b>	On-site <sup>32</sup> , M-F, 8- Enhanced Video A		72 cities) / serv u - 5.1GB disk, 12			Wired for Management 1.1a compliant Wake on LAN <sup>®</sup> support <sup>28</sup>	
<ul> <li>IBM MPEGCD1M</li> <li>DVD movie playi decryption and au</li> <li>Video in (composivideo capture (ca or VCR), still imag still photo images</li> <li>Video out (compi (connect to video or record on VCR</li> <li>Dolby® Digital Ad Digital signal from requires external.</li> </ul>	2 HHR, and full M er (audio decoded / 2MB SDRAM; 10 Dack <sup>27</sup> (MPEG-2 de udio decoding via s site and SVHS) (N' pture and digitize v ge capture (capture ), and overlay Disite and SVHS) to o out port; NTSC or the screen of Thin	via software); iOMHz ecoding; oftware) TSC or PAL) for rideo from a TV and digitize o TV PAL); kPad coded Dolby CSA8404A); ifier	<ul> <li>8.1GB disk, 12</li> <li>14.1GB disk, 12</li> <li>2nd Disk Adar</li> <li>SelectaBase 7</li> <li>SelectaDock 1</li> <li>PC Card Enat</li> <li>PC Card Enat</li> <li>760 UltraBay</li> <li>Ultraslim 56 w.</li> <li>24X-10X<sup>5</sup> CD-</li> <li>2X<sup>5</sup> DVD Drive</li> <li>DVD and Enh</li> <li>32MB SO DIM</li> <li>64MB SO DIM</li> <li>128MB SO DIM</li> </ul>	2ms, Ultra DMA 12ms, Ultra DMA 12ms, Ultra DMA 270 11 <sup>18</sup> bler with EtherJe Tray for SD III att AC Adpter (3 ROM Drive (Ultra ROM Drive (Ultra (UltraBay II) Video Adapter ( M 3.3v NP SDRA M 3.3v NP SDRA I M 3.3v NP SDRA I Modem with X	<ul> <li>(33 02K0517</li> <li>(33 02K0526</li> <li>(11J8836</li> <li>(83H6735</li> <li>(83H6735</li> <li>(11J8839</li> <li>(11J839</li> /ul>	Setup Guide, User's Guide, Windows 98 or NT manual LCD indicator panel Plug and Play 1.0a Non-disruptive battery exchange Standby, suspend, safe suspend, and hibernation modes ENERGY STAR compliant Asset ID wireless RF technology (available only as an AAP option on the 770Z model 83U; Atmel® AT24RF08 EEPROM) International Warranty Service <sup>14</sup> IBM SystemXtra <sup>®,35</sup> 24 hour / 7 day <sup>30</sup> telephone, bulletin board, fax, electronic, and Internet (www.ibm.com/pc/us) support	

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### IBM ThinkPad Power Series 820 - withdrawn

IBM <sup>®</sup> ThinkPad <sup>®</sup> :	≫ 820 PowerPC - TFT color - CD-ROM	ThinkPad Power Series 820 strengths:
Processor type L2 cache Processor /L2 upgrade Removable diskette	Power PC 603e / 100/33 MHz / 32 KB L1 cache 256 KB / write through / 2 way associative / 32 bit transfers	<ul> <li>PowerPC performance</li> <li>AIX or NT preloaded (or no operating sys)</li> <li>Removable, double speed, 5.25" CD-ROM</li> <li>Standard or optional Video Card         <ul> <li>(acceleration, composite video in/out)</li> </ul> </li> </ul>
Removable CD-ROM	S.25" CD-ROM O / double speed / multi-session / XA / SCSI-2 / bootabl The middle bay supports either the standard diskette drive or standard CD	
Type - model Available date Disk controller Removable disk - size	6040-xxx (listed below) July 1995 or later (listed below) SCSI-2 Fast (for disk, CD-ROM) / external SCSI-2 50 pin connector <i>Choice:</i> 540 MB 14 ms O / 810 MB 14 ms O / 1.2 GB 12 ms O	Ultimedia Services Ver 2.1.2     Insignia SoftWindows Ver 1.1     Speech Dictation     Personal Conferencing for AIX (some mod)
Display - type Display - techology Display - diagonal size	Choice: Color 640 x 480 or Color 800 x 600 (listed below) Black Matrix TFT - active matrix / up to 65,536 simultaneous colors 10.4 inch / 100 to 1 contrast ratio for 640 x 480 / 110 to 1 for 800 x 600	<ul> <li>Essentials! (catalogs and support)</li> <li>Power, Performance, Potential multimedia presentation</li> </ul>
Graphics - controller Graphics - vendor	WD90C24A Rev C with 1 MB DRAM (called G10 Graphics Adapter) Western Digital / External SVGA to 1024 x 768 w/ 256 colors (up to 75 H PCI 2.0 / 32 bit / Simultaneous LCD and CRT / 180 degree tilt Some: Video acceleration / composite in/out (called G10 Graphics wi Motion Video Adapter) with Personal Conferencing for AIX CD-R	<ul> <li>Black 3 button mouse</li> <li>Microsoft Windows NT 3.51 Workstation</li> <li>Essentials! (catalogs and support)</li> </ul>
i	16 or 32 MB / 48 MB 70 ns / <b>parity</b> / 5 volt / 32 bit transfers Standard: 1 or 2 SO DIMMs; available: 2 or 1 SO DIMM sockets (16 MB 8, 16 MB JEDEC 72 pin SO DIMMs	s) std) - Introducing ThinkPad Power Series 820
Keyboard / # of keys Keyboard slope Mouse/pointing Ext keyboard support	Full size alp/num / 84 (no Fn key)       Easy-Setup is entered by holding F1         Palm rest space       power on         TrackPoint III™       Yes (with option cable)	when backup ③ No preloaded operating system - CD-ROMs included: Program Pack, Pers Conferencing for AIX (some mod)
Dimensions Color Weight (with battery)	11.7 x 8.3 x 2.2" (213 cubic inches) Black 7.5 pounds (with CD-ROM) ALL 820 MODELS <i>Liftable (pop-up) keyboard</i> to ac	<ul> <li>IBM OS/2 Warp Connect (when available)</li> <li>Solaris (when available)</li> </ul>
Battery - type Battery - life Charge time - on / off	Nickel hydride (NiMH) / intelligent 2 to 5 hours 2.0 hrs / 1.5 hrs	
Architecture Docking Station Port replicator PCMCIA™ 2.1 slots Serial / parallel ports Other features	PCI 2.0 / 32 bit / 33 MHz / 5 volt (SCSI, motion video) ISA (audio, PCMCIA, diskette, serial, parallel, 120-pin external expansion VL-Bus 2.0 / 32 bit (graphics via PCI-to-VL Bridge) None None 2 Type I or 2 Type II or 1 Type III One 9 pin; 16550A / Enhanced Parallel Port (EPP and IEEE 1284) Universal AC adapter, 50 watts, not wallmount / Drive Startup Sequence	scaling (no interpolation) of image. Video may be scaled up to full screen without frame rate degradation - <b>Composite in</b> (from camcorder, TV, VCR) for video capture (capture and digitize video), still image capture (capture and digitize still photo images), and overlay (view video on LCD without
Data/fax modem Audio support Audio in/out jacks Infrared ports	None (use PCMCIA) CD quality audio (44.1 kHz, 16 bit, stereo) / Crystal Semiconductor <sup>™</sup> C Internal stereo speakers (.5 watt each) / dial volume control Internal microphone / IBM Personal Microphone (earphone and headset) Input jack / output jack None	VCR) in NTSC.
Security	Power-on password / Supervisor password / Hardware security loop (locking lever) / Keyboard lock / Locking device keyhole (Kensington™ MicroSaver™ cable lock) / PCMCIA card lock	Options for ThinkPad Power Series 820: - Disks: 540 MB SCSI-2 30H1388
Preinstalled software Warranty Warranty options	<i>Choice:</i> none or select a supported operating system (listed on side) <b>3 year</b> - ThinkPad EasyServ ThinkPad EasyServ Overnight Repair Option	810 MB         SCSI-2         30H1392           1.2         GB         SCSI-2         30H1467           -         AC Adapter 50 watts         30H1403           -         820 Travel Quick Charger         30H1373           -         820 NiMH Battery Pack         30H1369
<u>Type-Model</u> <u>Part</u> ≫ 6040-OCD30H155 ≫ 6040-ODD30H155 ≫ 6040-OED30H155	33         32 MB         1.2 GB         800x600         G10         None         \$ 7,999         A           54         32 MB         1.2 GB         800x600         G10         AIX         8,799         A	Avail - IBM Personal Microphone 12H1504 - 8 MB SO DIMM parity 92G7255 - 16 MB SO DIMM parity 92G7257 ug 95 - 92G7257
≫ 6040-06D 30H147 ≫ 6040-07D 30H147 ≫ 6040-08D 30H148	7 32 MB 810 MB 800x600 G10 None 7,549 J 78 32 MB 810 MB 800x600 G10 AIX 8,399 J	FEATURES OF 820 MODELS       ul 95     Battery life and other indicators       ul 95     Non-disruptive battery exchange       ul 95     Suspend mode
≫6040-966 30H148 ≫6040-986 30H148 ≫6040-977 30H148	34         16 MB         810 MB         640x480         G10 w/ Motion         NT         6,749         July           36 <b>32 MB</b> 810 MB         640x480         G10 w/ Motion         AIX         8,399         July	US ÉPA Energy Star compliant Personalized nameplate in molded indention UI 95 Compatible with PowerPC Reference
≫6040-006 30H148 ≫6040-026 30H148 ≫6040-017 30H149	89 16 MB 540 MB 640x480 G10 NT 5,999 J	ul 95 ul
ThinkPad EasyServ™: any location. IBM repairs		Il trademarks are the property of their respective owners No warranties are expressed or implied in this summary

ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business day average turnaround). Overnight repair option in US available for \$99 □ = Upgradeable; ○ = Removable; ≈ = Withdrawn effective March 20, 1996 All trademarks are the property of their respective owners No warranties are expressed or implied in this summary (820) Compiled by Roger Dodson, IBM. February 1996

### IBM ThinkPad Power Series 850 - withdrawn

IBM <sup>®</sup> ThinkPad <sup>®</sup> :	≫ 850 PowerPC - TFT color - CD-ROM - Video	Card	ThinkPad Power Series 850 strengths:
Processor type L2 cache Processor /L2 upgrade Removable diskette	Power PC 603e / 100/66 MHz / 32 KB L 256 KB / write back / direct mapped / 64 None Internal or external 3.5" 1.44 MB O / ext Can use diskette and CD-ROM simultar	1 cache bit transfers ernal diskette drive connector	<ul> <li>PowerPC performance</li> <li>Collaborative and conversational computing</li> <li>Removable, double speed, 5.25" CD-ROM</li> <li>Video card (acceleration, composite video)</li> <li>Optional top mounted video camera</li> </ul>
Removable CD-ROM	with an external case with cable 5.25" CD-ROM O / double speed / mult The middle bay supports either the stand		
Type - model Available date Disk controller Removable disk - size	6042-xxx (listed below) July 1995 or later (listed below) SCSI-2 Fast (for disk, CD-ROM) / extern <i>Choice:</i> 540 MB 14 ms O / 810 MB		Ultimedia Services Ver 2.1.2     Insignia SoftWindows Ver 1.1     Speech Dictation     Personal Conferencing for AIX on CD
Display - type Display - techology Display - diagonal size	Choice: Color 640 x 480 or Color 800 x Black Matrix TFT - active matrix / up to 10.4 inch / 100 to 1 contrast ratio for 640	65,536 simultaneous colors	<ul> <li>Essentials! (catalogs and support)</li> <li>Power, Performance, Potential multimedia presentation</li> </ul>
Graphics - controller Graphics - vendor Graph - arch/data path Video function Video camera	WD90C24A Rev C with 1 MB DRAM (c Western Digital / External SVGA to 102 PCI 2.0 / 32 bit / Simultaneous LCD and Video acceleration / composite in/out Option: CCD camera on top of LCD / NT	4 x 768 w/ 256 colors (up to 75 Hz I CRT / 180 degree tilt called G10 Graphics with Motion \	- Black 3 button mouse /ideo) ② Microsoft Windows NT 3.51 Workstation
Memory - std / max Mem - sockets Mem-options available	16 or 32 MB / 80 to 96 MB 70 ns / <b>pari</b> Standard: 2 SO DIMMs in 2 SO DIMM s 4, 8, 16, 32 MB IC DRAMs / must be ins	ockets; available: 2 IC DRAM so	- Introducing ThinkPad Power Series 850
Keyboard / # of keys Keyboard slope Mouse/pointing Ext keyboard support	Full size alp/num / 84 (no Fn key) Yes (legs pop out) / <b>palm rest space</b> <b>TrackPoint III</b> ™ Yes (with option cable)	Easy-Setup is entered by holdir when power on	<ul> <li>Backup</li> <li>No preloaded operating system</li> <li>CD-ROMs included: Program Pack,</li> </ul>
Dimensions Color	11.7 x 10.2 x 2.4" (286 cubic inches) Black	ALL 850 MODELS	Personal Conferencing for AIX     4     IBM OS/2 Warp Connect (when available)
Weight (with battery)	7.96 pounds (with CD-ROM)	Liftable (pop-up) keyboard access and remove CD-R	
Battery - type Battery - life Charge time - on / off	Nickel hydride (NiMH) / Intelligent 2 to 5 hours 2 hrs / 1.5 hrs	<ul> <li>Acceleration of motion video with scaling (no interpolation) of image.</li> </ul>	
Architecture Docking Station Port replicator PCMCIA <sup>™</sup> 2.1 slots Serial / parallel ports Other features	PCI 2.0 / 32 bit / 33 MHz / 5 volt (SCSI, ISA (audio, PCMCIA, diskette, serial, p VL-Bus 2.0 / 32 bit (graphics via PCI-to None 2 Type I or 2 Type II or 1 Type III One 9 pin; 16550A / Enhanced Parallel I Universal AC adapter, 50 watts, not wall	TV, VCR) for video capture (capture and digitize video), still image capture (capture and digitize still photo images), and overlay (view video on LCD without capturing it to disk). Uses NTSC or PAL	
Audio support Audio in/out jacks	None (use PCMCIA) / voice-over-data u CD quality audio (44.1 kHz, 16 bit, ster Internal stereo speakers (1 watt each) / Internal microphone / IBM Personal Micr Input jack / output jack / line in / line out None	sing industry standard modems eo) / Crystal Semiconductor™ CS dial volume control ophone (earphone and headset)	the screen to VCR - ThinkPad 850 includes in/out RCA jacks on the back of the system
Security	Power-on password / Supervisor passw security loop (locking lever) / Keyboard	ock / Locking device keyhole	Options for ThinkPad Power Series 850: - Disks: 540 MB SCSI-2 30H1388 810 MB SCSI-2 30H1392
Preinstalled software Warranty Warranty options	(Kensington™ MicroSaver™ cable lock) Choice: none or select a supported ope <b>3 year</b> - ThinkPad EasyServ ThinkPad EasyServ Overnight Repair O	rating system (listed below)	1.2 GB SCSI-2         30H1467           - AC Adapter 50 watts         30H1403           - Video Camera (NTSC)         85G2715           - 850 NiMH Battery Pack         85G2671
Type-Model Part	Mem <u>Disk LCD Gra</u> g	hics <u>Op Sys</u> Price Av	- 850 Quick Charger 85G2662 rail - IBM Personal Microphone 12H1504
×6042-9CD 29H817 ×6042-9DD 29H817 ×6042-9ED 29H817	0 32 MB 1.2 GB 800x600 G10 w 1 32 MB 1.2 GB 800x600 G10 w	Motion None \$ 8,999 Aug Motion AIX 9,849 Aug	95         - 4 MB IC DRAM 70ns 5v parity         92G7238           95         - 8 MB IC DRAM 70ns 5v parity         92G7241           - 16 MB IC DRAM 70ns 5v parity         92G7234           - 32 MB IC DRAM 70ns 5v parity         92G7235
≫6042-96D 29H819 ≫6042-97D 29H819 ≫6042-98D 29H819	7 32 MB 810 MB 800x600 G10 w 9 32 MB 810 MB 800x600 G10 w	Motion         None         8,549         Jul           Motion         AIX         9,399         Jul           Motion         NT         8,849         Jul	95 Battery life and other indicators Non-disruptive battery exchange
≈6042-967 29H817 ≈6042-977 29H817 ≈6042-987 29H817 ≈6042-987 29H817 ≈6042-906 29H818	6 32 MB 810 MB 640x480 G10 w 8 32 MB 810 MB 640x480 G10 w	Motion None 8,149 Jul Motion AIX 8,999 Jul Motion NT 8,449 Jul	<ul> <li>95 US EPA Energy Star compliant</li> <li>95 Personalized nameplate in molded indention Compatible with PowerPC Reference</li> <li>Platform™ Specifications (PReP) v1.1</li> </ul>
≫6042-926 29H818		/Motion NT 6,999 Jul	<ul> <li><sup>95</sup> 95</li> <li><sup>95</sup> 3 year warranty International Warranty Service 24 hour / 7 day telephone, bulletin board, fax, and electronic support IBM warranty/service 30 day money back guarantee</li> </ul>
	customer calls 1-800-772-2227, courier se		trademarks are the property of their respective owner

ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business day average turnaround). Overnight repair option in US available for \$99. ■ = Upgradeable; ③ = Removable; ≈ = Withdrawn effective March 20, 1996 All trademarks are the property of their respective owners No warranties are expressed or implied in this summary (850) Compiled by Roger Dodson, IBM. February 1996

- <sup>1</sup> MHz only measures microprocessor internal clock speed (or bus speed where indicated), not application performance. Other factors also affect application performance.
- <sup>2</sup> Unless otherwise indicated, weight includes battery (and travel cover on ThinkPad 600) and excludes external diskette, CD, and/or DVD drives if applicable; actual weight may vary due to vendor components, manufacturing process and options.
- <sup>3</sup> Current available memory options allow memory expansion up to 160MB using two 64MB SDRAM SO DIMMs in the two available slots for memory expansion. Memory expansion beyond 160MB will depend on the availability of memory options larger than 64MB built to IBM ThinkPad 600-770 specifications and such availability cannot be assured. EDO memory is not supported in ThinkPad 770E/ED models.
- <sup>4</sup> GB means billion bytes when referring to hard drive capacity. Accessible capacity varies.
- <sup>5</sup> Variable read rate. Actual playback speed will vary and is often less than the maximum possible.
- <sup>6</sup> DVD drive required for ThinkPad 770 models (standard in some models). For Dolby Digital output, the 'DVD and Enhanced Video Adapter' (11J8957) must be installed (standard in some models) and the ThinkPad notebook connected to appropriate receiver and external speakers.

- <sup>7</sup> ThinkPad notebooks are delivered with Windows 98 preloaded on the hard disk drive and a Windows 98 Recovery CD in the box. For customers who prefer Windows 95, a Windows 95 Recovery CD is also included for installation of Windows 95. Installation of Windows 95 results in removal of the Windows 98 preload.
- Upgrade on 9549-1AU (770) and -5AU (770ED) and 770X via Internet software download at no additional charge (Internet access fees excepted). Software upgrade via the Internet to the V.90 56K ITU standard beginning in 4Q98. Subject to change without notice. x2 modems are designed to be capable of receiving data at up to 56Kbps from an x2-compatible service provider, and transmitting data at up to 31.2Kbps. Public networks currently limit maximum download speeds to about 53Kbps. Actual speeds depend on many factors and are often less than the maximum possible.
- <sup>9</sup> Software upgrade via the Internet to the V.90 56K ITU standard beginning 4Q98. Subject to change without notice.
- <sup>10</sup> Results obtained using BAPCo (Business Applications Performance Corporation) SYSmark Benchmark Test. Battery life and recharge times will vary based on many factors including screen brightness, applications, features, power management, battery conditioning and other support and strengthere and factors.

customer preferences. Battery life may be less using Windows NT.

- <sup>11</sup> For terms and conditions or a copy of IBM's Statement of Limited Warranty, call 1 800 772-2227 in the U.S. and in Canada, call 1 800 426-2255.
- <sup>12</sup> IBM makes no warranties, expressed or implied regarding ThinkPad Proven products and services, including Year 2000 readiness and any implied warranties of merchantability and fitness for a particular purpose.
- <sup>13</sup> If you qualify and subject to condition.
- <sup>14</sup> Available in those countries where IBM and IBM resellers sell and service ThinkPad products. Registration required. Service level is based on the standard service for ThinkPad notebooks in that particular country.
- <sup>15</sup> Service options available based on specific ThinkPad notebook purchased; not all machine types and models are eligible, other limitations apply. Call 1800 426-3395 and request document #11008 or call your IBM authorized reseller for additional information. Service options must be purchased during the original product warranty period.
- <sup>16</sup> Some software may differ from its retail version (if any) and may not include user manuals or all program functionality. Warranty, service and support for non-IBM products are provided directly to you by third parties, not IBM. IBM makes no representations or warranties regarding non-IBM products. For non-IBM software applicable third-party software licenses may apply.

- <sup>17</sup> SelectaDock III, PC Card Enabler, and/ or PC Card Enabler with Advanced EtherJet Feature requires optional SelectaBase 600
- <sup>18</sup> SelectaDock III, PC Card Enabler, and/ or PC Card Enabler with Advanced EtherJet Feature requires optional SelectaBase 770.
- <sup>19</sup> On ThinkPad 600, DVD drive supports standard CD-ROM and data-only DVD discs. DVD movie playback requires an optional third-party DVD PC Card adapter. DVD movie playback not supported with Windows NT.
- <sup>20</sup> Lotus SmartSuite may be preinstalled or provided on CD-ROM depending on the model. Diskettes and hard copy documentation are available at an extra charge.
- <sup>21</sup> The IBM ThinkPad 770X is designed to recognize up to 320MB of addressable memory with the new Mobile Pentium II processor at 300MHz. 64MB or 128MB of new, fast SDRAM SO DIMM system memory (RAM) is standard, depending on model. Current available memory options allow memory expansion up to 320MB using two 128MB SDRAM SO DIMMs in the two user accessible slots for memory expansion. On models with the 13.7-inch display, one of these slots is currently occupied with a 64MB SDRAM that provides the standard 128MB of system memory. This 64MB SDRAM would have to be removed and replaced with a 128MB SDRAM to achieve the 320MB maximum.
- <sup>22</sup> These 56K V.90 modems are designed to be capable of receiving data at up to 56Kbps from a compatible service provider, and transmitting data at up to 31.2Kbps. Public networks currently limit maximum download speeds to about 53Kbps. Actual speeds depend on many factors and are often less than the maximum possible.

- <sup>23</sup> x2 modems are designed to be capable of receiving data at up to 56Kbps from an x2-compatible service provider, and transmitting data at up to 31.2Kbps. Public networks currently limit maximum download speeds to about 53Kbps. Actual speeds depend on many factors and are often less than the maximum possible.
- <sup>24</sup> Designed to be capable of receiving at up to 56kbps with x2 or V.90 compatible phone line and server equipment, and transmitting at up to 31.2kbps. Public networks currently limit download speeds to about 53kbps. Actual speeds vary and are often less than the maximum.
- <sup>25</sup> For ThinkPad 600 or 600E, to achieve 288MB memory configuration on models with 64MB standard, you need to replace one 32MB SDRAM SO DIMM in the memory slot with 128MB SDRAM SO DIMM and add a second 128MB SDRAM SO DIMM.
- <sup>26</sup> Multiple monitor support gives you the ability to expand your ThinkPad desktop area by attaching an external monitor or second display, allowing you to view two different applications running simultaneously. External device must support the same maximum resolution and refresh rate as that of the built-in notebook display. Available video memory may limit resolution and/ or color depth. Individual application support for this feature will vary.
- <sup>27</sup> Software-supported MPEG-2 playback is supported on ThinkPad 770X and 770Z models with Windows 98. Software-supported MPEG-2 playback and support for video capture on Windows NT models requires the optional 'DVD and Enhanced Video Adapter'.

- <sup>28</sup> For ThinkPad 770, IBM Wake on LAN support available via the optional SelectaBase 770 and PC Card Enabler with Advanced EtherJet Feature or SelectaDock III and a Wake on LAN network interface card. For ThinkPad 600, IBM Wake on LAN support available via the optional SelectaBase 600 and PC Card Enabler with Advanced EtherJet Feature or SelectaDock III and a Wake on LAN network interface card. For the ThinkPad 380Z, 390, 560Z, and 570, IBM Wake on LAN support available via the optional ThinkPad Port Replicator with Advanced EtherJet Feature.
- <sup>29</sup> S.M.A.R.T. is defined as Self-Monitoring, Analysis and Reporting Technology.
- <sup>30</sup> Response time varies. May exclude some holidays.
- <sup>31</sup>ThinkPad EasyServ: customer calls 1-800-772-2227, courier service picks up ThinkPad system at most North American locations, IBM repairs and mails back (no shipping charges, most shipping is overnight, five business day average turnaround). Rapid Depot Repair (12-hour turnaround at depot from the time the machine arrives at the depot; three business day average turnaround) is standard for ThinkPad 600 and 770 systems in warranty and included for all ThinkPad systems as part of any mobile warranty upgrade. sent. Service levels are response objectives and are not guaranteed.

- <sup>32</sup> Onsite service: for customers who have purchased on-site service options, LCD screen replacements and other selected repair replacements may be completed at a Depot repair center at IBM's discretion. National on-site coverage is available for selected ThinkPad products 8 a.m. to 5 p.m., customer's time zone, Monday through Friday, excluding holidays, next business day response. Not available in Alaska, Hawaii, Montana, and Wyoming (depot repair service only). Available in selected locations in other states.
- <sup>33</sup> Maximum memory varies depending on model, and may require replacement of standard memory with optional maximum memory module.
- <sup>34</sup> On ThinkPad 770X and 770Z, softwaresupported DVD movie playback is supported with an optional DVD drive (standard on some models) and Windows 98. All other 770 models require the optional DVD and Enhanced Video Adapter and either Windows 95 or Windows 98 for DVD movie playback.
- <sup>35</sup> SystemXtra is available to commercial and state and local government customers with valid credit. Program is subject to change without notice. Additional terms, conditions and limitations may apply. IBM Global Financing offerings are made available through IBM Credit Corporation in the US and other IBM subsidiaries and divisions worldwide.

- <sup>36</sup> ThinkPad 390, 570 and 600: thickness may vary at certain points on the system.
- <sup>37</sup> These 56K V.90 modems are designed to be capable of receiving data at up to 56Kbps from a K56Flex or V.90 compatible service provider, and transmitting data at up to 31.2Kbps. Public networks currently limit maximum download speeds to about 53Kbps. Actual speeds depend on many factors and are often less than the maximum possible.
- <sup>38</sup> DVD movie playback not supported with Windows NT.
- <sup>3 9</sup> External device must support the same maximum resolution and refresh rate as that of the built-in notebook display.

These systems ship with an operating system.

As an ENERGY STAR Partner, the IBM Personal Systems Group has determined that this product meets the ENERGY STAR guidelines for energy efficiency. ENERGY STAR is a U.S. registered mark.

- <sup>40</sup> Delivered with Windows 98 SE preloaded on the hard disk drive and a Windows 98SE Recovery CD in the box. For customers who prefer Windows 95, a Windows 95 Recovery CD is also included for installation of Windows 95. Installation of Windows 95 results in removal of the Windows 98 preload.
- <sup>41</sup> For the models with Intel SpeedStop technology, denotes maximum performance mode; battery optimization mode is a lower MHz speed.



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