

OVERVIEW

Compaq Armada 3500

BENEFITS AT A GLANCE

- Lightweight Pentium® II notebook as low as 4.4 lbs, 2 kg
- Intel Mobile Pentium II processors up to 300 MHz and 512 KB level two cache
- 13.3-inch CTFT display (1024 x 768) or 12.1-inch CTFT display (SVGA)
- Magnesium alloy display enclosure
- High flexibility with Mobile 3500 Expansion Unit, which supports SuperDisk LS-120 Drive, Zip drive, diskette drive, or a second Hard Drive
- Wide palm rest and Multifunctional EasyPoint IV Pointing Stick
- 64-bit PCI local bus graphics
- 32 MB and 64 MB SDRAM of standard memory -Expandable up to 192 MB¹
- 4.1- or 6.4-GB² SMART Hard Drives
- Full-sized 101-key compatible keyboard
- Intelligent Manageability for lower total cost of ownership
- Compaq Services including a three-year, Worldwide Limited Warranty³ with 2nd business day⁴ expedited pick-up and repair in North America

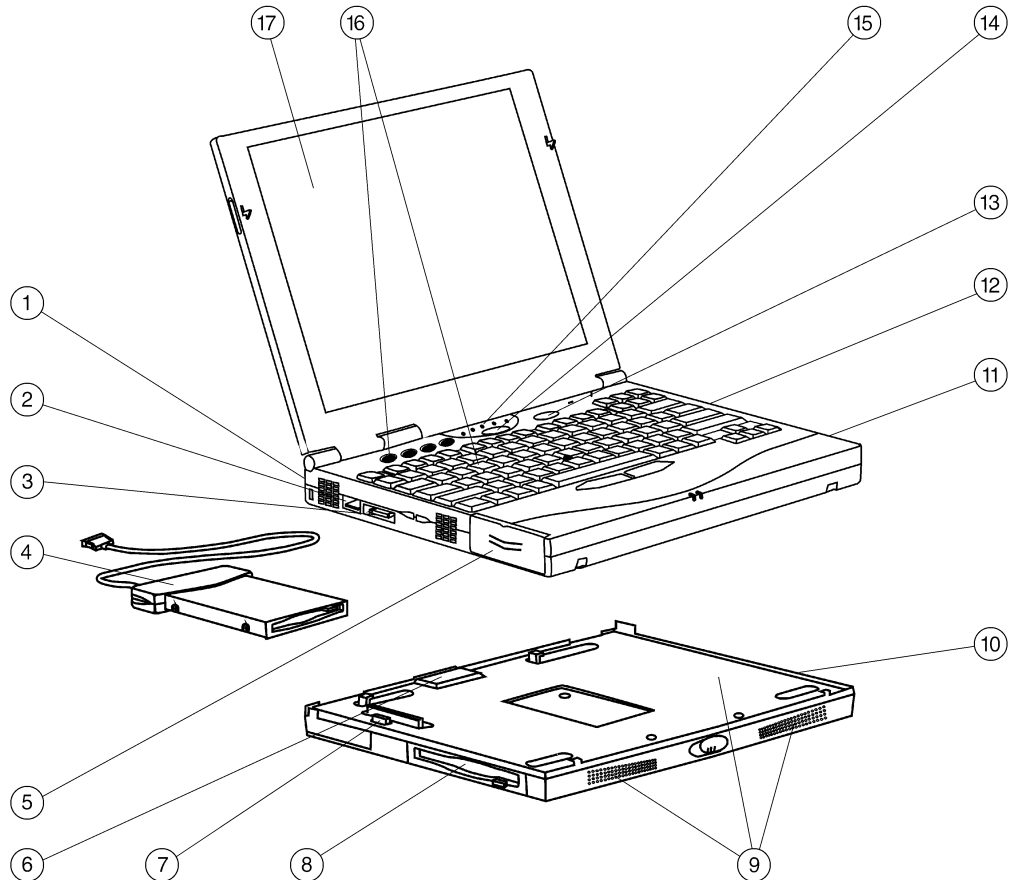
¹ When the 128-MB SDRAM Memory Kit becomes available in 4Q98.

² For Hard Drives, GB = Billion Bytes.

³ Certain restrictions and exclusions apply. Consult the Compaq Customer Support Center for details.

⁴ Pick-up and delivery service is available in 48 contiguous US States and Canada. Eligibility for priority pick-up (2nd business day return) is limited to certain geographic locations. Carry-in services available outside the US and Canada.

⁵ Data transfer rates will vary from 150 Kb/s to 3600 Kb/s.



1. Headphone Connector, Microphone Connector
2. USB Port
3. External Diskette Drive port
4. External Diskette Drive adapter (supports floppy diskette drive)
5. Li-Ion Battery
6. AC Adapter
7. Expansion connector
8. MultiBay (supports 2nd Hard Drive, SuperDisk LS-120 Drive, Zip Drive or floppy diskette drive)
9. Speakers, Subwoofer
10. Fixed 24X Max⁵ CD-ROM Drive or DVD-ROM Drive
11. Speaker
12. PC Card Slots
13. Power Switch
14. Suspend/Resume Button
15. LEDs
16. Full-Sized Keyboard with Four User-programmable Keys
17. Display

MODELS

Armada 3500
(With Windows 95)
Model
6266/T/4100/0/0/1
310200-001

Armada 3500
(With Windows 95)
Model
6300/T/6400/0/0/1
310300-001

STANDARD FEATURES

Lightweight and Flexible Design

Ideal for the highly mobile professional, the Armada 3500 offers portability and flexibility. The Armada 3500 weighs as low as 4.4 pounds and is only 1.3 inches thin, and features Pentium® II performance, full size displays and a full size keyboard. For flexibility and changing needs, the Armada 3500 may be connected to the Mobile 3500 Expansion Unit for CD-ROM or DVD-ROM and MultiBay capabilities. The MultiBay supports a diskette drive, a second hard drive, a SuperDisk LS-120 Drive or a Zip drive

Processor

Armada 3500 Model 6266/T/4100/0/0/1: Intel Mobile Pentium II processor 266 MHz with 512 KB Pipeline Burst Synchronous level two cache

Armada 3500 Model 6300/T/6400/0/0/1: Intel Mobile Pentium II processor 300 MHz with 512 KB Pipeline Burst Synchronous level two cache

Architecture

64-bit CPU and Graphics, PCI (33 MHz)

Display/Graphics

Magnesium alloy display enclosure to protect against the rigors of travel with a 64-bit video graphics on a PCI local bus and 2-MB EDO for increased color depth and graphics performance

Armada 3500 Model 6266/T/4100/0/0/1: 12.1-inch color SVGA TFT with up to 800 x 600 resolution in panning mode and 24-bit true color (16.7 million colors internal)

Armada 3500 Model 6300/T/6400/0/0/1: 13.3-inch color TFT with 1024 x 768 resolution (up to 64K colors internal)

Memory

Armada 3500 Model 6266/T/4100/0/0/1: 32 MB of RAM, expandable to 160 MB¹

Armada 3500 Model 6300/T/6400/0/0/1: 64 MB of RAM, expandable to 192 MB¹

Hard Drives

Armada 3500 Model 6266/T/4100/0/0/1: 4.1-GB² SMART Hard Drive

Armada 3500 Model 6300/T/6400/0/0/1: 6.4-GB² SMART Hard Drive

Diskette Drive

The diskette drive, provided with the standard system, may be used without occupying the parallel port. The diskette drive fits into the external diskette drive adapter, which has a dedicated port, or into the MultiBay of the Mobile 3500 Expansion Unit

Storage

Up to 6.4 GB² standard

Up to 12.8 GB² with Mobile 3500 Expansion Unit

Multimedia

Compaq PremierSound™ for enhanced stereo audio including integrated 16-bit Sound Blaster Pro-compatible stereo audio, integrated speaker and software volume control, headphone out jack, microphone in jacks, software MPEG, and hardware

PC Card Slots

Two Type II/One Type III PC Card Slot(s) with CardBus³

Infrared Communication Port

Capable of IrDA 4 Mb/s⁴ compatible infrared communication port for wireless communication with infrared devices

AC Power/Battery Life

External AC Adapter weighing approximately 0.8 lb allows simultaneous system operation and battery charge from up to 10 feet away from a power source. The Li-Ion Battery provides over 2 hours of battery life⁵. An optional Extended Life Li-Ion Battery provides over 3 hours of battery life⁵. The Power Conservation provides Hibernation, Instant-On via Standby; pop-ups with three presets and one custom level of power conservation as well as ACPI hardware-ready support

Integrated Pointing Device

Keyboard-integrated, textured, Multifunctional EasyPoint IV Pointing Stick with press-to-select features

Keyboard

101-key compatible keyboard with isolated, inverted-T cursor control keys, right control key, four user-programmable keys; special feature hot keys for instant access to power conservation, QuickLock/QuickBlank, toggle between internal external, or simultaneous displays, speaker volume control, brightness

STANDARD FEATURES (cont'd)

Dimensions (HxWxD)

Stand-alone system:
9.3 x 11.8 x 1.3 in/23.6 x 30.0 x 3.3 cm

Weight

Model 6266/T/4100/0/0/1:

Stand-alone configured

Without AC Adapter and Cord: 4.4 lbs/2.0 kg
With AC Adapter and Cord: 5.3 lbs/2.4 kg

With External Diskette Drive Configured

Without AC Adapter and Cord: 4.7 lbs/2.1 kg
With AC Adapter and Cord: 5.7 lbs/2.6 kg
Model 6300/T/6400/0/0/1:

Stand-alone configured

Without AC Adapter and Cord: 4.6 lbs/2.1kg
With AC Adapter and Cord: 5.6 lbs/2.5 kg

With External Diskette Drive Configured

Without AC Adapter and Cord: 5.4 lbs/2.5 kg
With AC Adapter and Cord: 6.3 lbs/2.9 kg

Software

Microsoft Windows 95 and support for Windows 98, Windows NT Workstation 4.0, Compaq Intelligent Manageability, Security, CompaqDiagnostics, Compaq Power Management, Online Safety and Comfort Guide, Online Reference Guide, and Carbon Copy

Interfaces

Infrared, enhanced parallel, serial, external monitor, PS/2device, AC adapter/automobile adapter, microphone-in, headphone-out, and USB

Compaq Intelligent Manageability Software

Lowers total cost of ownership by providing enhanced security, asset management and fault prediction with SMART drives

Security Features

Cable lock support; power-on and set-up passwords; ability to disable serial port, parallel port, diskette drive, diskette drive boot sequence, and Drive Lock for advanced data protection

Service and Support

Compaq Services provides a range of services for the Armada 3500, including a three-year Worldwide Limited Warranty⁶, with 7 day a week, 24 hour a day service line at 1-800-OK-Compaq (1-800-652-6672) and a free one-year 2nd business day⁷ pick-up and delivery service from Compaq. All shipping and handling materials are supplied by Compaq

OPTIONS

Mobile 3500 Expansion Unit

The Mobile 3500 Expansion Unit provides greater flexibility for the sophisticated mobile professional. Access to a variety of different media for additional storage or reference is made simple and portable without cumbersome cables

Fixed Optical Device Bay

24X Max⁸ CD-ROM or DVD-ROM

MultiBay

Accommodates diskette drive, SuperDisk LS-120 Drive, Zip drive, or a second hard drive

Speakers

Provides full multimedia with integrated stereo speakers and woofer in MEU

Dimensions (HxWxD)

(with Mobile 3500 Expansion Unit)

Stand-alone system:
9.3 x 11.8 x 1.3 in/23.6 x 30.0 x 3.3 cm

Weight (with Mobile 3500 Expansion Unit)

Model 6266/T/4000/0/0/1:

Weight Saver Configured

Without Power Cord: 6.6 lbs/3.0 kg
With Power Cord: 7.1 lbs/3.2 kg

Diskette Drive Configured

Without Power Cord: 7.1 lbs/3.2 kg
With Power Cord: 7.6 lbs/3.5 kg
Model 6300/T/6400/0/0/1:

Weight Saver Configured

Without Power Cord: 6.8 lbs/3.1 kg
With Power Cord: 7.3 lbs/3.3 kg

Diskette Drive Configured

Without Power Cord: 7.3 lbs/3.3 kg
With Power Cord: 7.8 lbs/3.6 kg

Memory

16-MB SDRAM Memory Modules	314889-B21
32-MB SDRAM Memory Modules	314890-B21
64-MB SDRAM Memory Modules	314891-B21

Hard Drives

4.1-GB ² SMART Hard Drive	310312-B21
6.4-GB ² SMART Hard Drive	310313-B21

OPTIONS (cont'd)

PC Card/Communications

56K PC Card Modem ⁹	295050-001
USB CardBus Card	296501-B21
Compaq Ethernet LAN PC Card	224750-001
10/100 TX PC Card UTP Controller	335506-B21
10 T PC Card UTP Controller	292806-B21
10 2 PC Card Coax Controller	292807-B21
10/100 TX PC Card UTP Controller Upgrade	292813-B21
16/4 TR PC Card IBM UTP/STP Controller	301208-B21

For additional compatible PC Cards, view the Compaq PC Card Solution List on the Compaq website at <http://www.compaq.com/support/techpubs/pcmcia/pccardlist.html>

Expansion/Convenience Bases

24X Max ⁸ Mobile CD 3500 Expansion Unit	310250-001
DVD Mobile3500 Expansion Unit	310330-001
Convenience Base II (Ethernet) ¹⁰	316239-001
Convenience Base II (Pass-Through) ¹⁰	316238-001
Convenience Base Monitor Stand	316246-B21

MultiBay Devices for the Mobile 3500 Expansion Bases

SuperDisk LS-120 Drive	310314-B21
Zip Drive	310315-B21
Auxiliary Hard Disk Drive 6.4 GB ² for slice	310380-B21

Power

3-wire power cord (10ft)	217932-002
AC Adapter w/Battery Charger	296537-B21
Extended Life Battery, 9 cell Li-Ion	310316-B21
Auto/Aircraft adapter	296537-B21

Monitors

S700 Color ¹¹	360512-001
S900 Color ¹¹	360562-001
V55 Color ¹¹	308006-001
V75 Color ¹¹	307710-001
V90 Color ¹¹	305609-001
V900 Color ¹¹	303500-001
V1000 Color ¹¹	351757-001
P75 Color ¹¹	307806-001
P110 Color ^{11,12}	284956-001
P1610 Color ^{11,12}	305708-001
TFT450 Flat Panel ¹¹	170406-001
TFT500 Flat Panel ¹¹	285006-001

Other

Security Lock	294316-B21
Portable Video Conferencing Kit	296954-001
Armada Headset with microphone	220460-001
Universal Monitor Stand	294315-B21

Input Devices

External Infrared Transceiver	220687-002
External Enhanced III Keyboard (beach gray)	110562-001
External Enhanced III Keyboard (opal)	294343-001
Compaq Mouse (beach gray)	143315-001
Compaq Mouse (opal)	143315-B21

Carrying Cases

CPQ Value Case	294260-B21
CPQ Workstation Case	294267-B21
CPQ Global Case	294268-B21
CPQ Executive Case	294269-B21

For additional Compaq Brand cases, call 800-888-5903

¹ When the 128-MB SDRAM Memory Kit becomes available in 4Q98.
² For Hard Drives, GB = Billion Bytes.
³ Full support in Windows 9.x.
⁴ IrDa 4MB compliant. IR performance will vary depending on performance of IR peripherals and applications used.
⁵ Actual results may vary with individual usage. When tested in standard configuration, using the Ziff-Davis BatteryMark Test version 2.0, the battery life of the Armada 3500 will range up to 2.1 hours. Standard configuration at time of announce (9/8/98) is considered to be one battery, a 800x600 (256 colors) panel set at 50% brightness, 32MB RAM, and no drives other than the hard drive active.
⁶ Certain restrictions and exclusions apply. Consult the Compaq Customer Support Center for details.
⁷ Pick-up and delivery service is available in 48 contiguous US states and Canada. Eligibility for priority pick-up (2nd business day return) is limited to certain geographic locations. Carry-in service available outside the US and Canada.
⁸ Data transfer rates will vary from 150 Kb/s to 3600 Kb/s.
⁹ Designed only to allow faster downloads from K56flex compliant sources. Maximum achievable download transmission rates currently do not reach 56 Kb/s and will vary with line conditions. Modem supports Microsoft Windows 9.x and Microsoft Windows NT 4.0.
¹⁰ Mobile 3500 Expansion Unit required for use.
¹¹ AssetControl monitor. AssetControl features are accessible with Compaq desktops featuring Intelligent Manageability.
¹² May not be compatible with the ArmadaStation Monitor Stand, Convenience Base I or Convenience Base II due to weight limitations.

FEATURES

Compaq Armada 3500

Compaq Armada 3500 6266/T/4100/0/0/1

Compaq Armada 3500 6300/T/6400/0/0/1

System Unit

Microprocessor

Standard

Intel Mobile Pentium® II processor 266-MHz

Intel Mobile Pentium II processor 300-MHz

Cache

Integrated 32KB; 512-KB level 2

Integrated 32KB; 512-KB level 2

Architecture

64-bit CPU and Graphics, PCI/(33 MHz)

64-bit CPU and Graphics, PCI/(33 MHz)

RAM

Standard

32 MB SDRAM

64 MB SDRAM

Maximum

160 MB¹

192 MB¹

Coprocessor

Integrated

Integrated

Advanced Power Management

Yes

Yes

Display

Type

12.1-inch color TFT

13.3-inch color TFT

Resolution

800 x 600 with up to 16.8 million colors

1024 x 768 with up to 64 K colors

Extended Text

Yes

Yes

Graphics

64-bit PCI Local Bus Video

Yes

Yes

800 x 600 External (up to 100Hz)

Yes

Yes

1024 x 768 External (up to 100Hz)

Yes

Yes

1280 x 1024 External (up to 75Hz)

Yes

Yes

Storage

1.44-MB Diskette Drive

Standard, External

Standard, External

Upgradable SMART Hard Drives

Standard

4.1 GB²

6.4 GB²

Optional

4.1 or 6.4 GB²

4.1 or 6.4 GB²

Mobile 3500 Expansion Unit

Optional

Optional

Interfaces

PC Card

Two Type II/One Type III slot(s)

Two Type II/One Type III slot(s)

Infrared Communication Port

1 (4 Mb/s³ supported)

1 (4 Mb/s³ supported)

Enhanced Parallel

1

1

Serial

1

1

External Monitor

1

1

External Keyboard/Integrated

1

1

Multifunctional EasyPoint IV
Pointing Stick

Expansion Base Connector

1

1

AC Adapter/Automobile Adapter

1

1

Compaq Armada 3500 6266/T/4100/0/0/1

Compaq Armada 3500 6300/T/6400/0/0/1

Interfaces *(cont'd)*

Microphone In	1	1
Headphone Out	1	1
Stereo Line In	1	1

Monitors

S700 Color ⁴	Optional	Optional
S900 Color ⁴	Optional	Optional
V55 Color ⁴	Optional	Optional
V75 Color ⁴	Optional	Optional
V90 Color ⁴	Optional	Optional
V900 Color ⁴	Optional	Optional
V1000 Color ⁴	Optional	Optional
P75 Color ⁴	Optional	Optional
P110 Color ^{4,5}	Optional	Optional
P1610 Color ^{4,5}	Optional	Optional
TFT450 Flat Panel ⁴	Optional	Optional
TFT500 Flat Panel ⁴	Optional	Optional

Keyboard

101-key compatible keyboard with Inverted-T Cursor Keys, Hotkeys, Right Ctrl Key and four User-Programmable Keys, Windows keys	Yes	Yes
Multifunctional EasyPoint IV Pointing Stick	Yes	Yes
External Enhanced III Keyboard	Optional	Optional

Supported System Software

Software	Windows 95, Insight Management Agents, Intelligent Manageability, Security 32, Diagnostics for Windows 95, Compaq Power Management, Online Safety and Comfort Guide, Reference Guide, Carbon Copy	Windows 95, Insight Management Agents, Intelligent Manageability, Security 32, Diagnostics for Windows 95, Compaq Power Management, Online Safety and Comfort Guide, Reference Guide, Carbon Copy
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Physical Specifications

Dimensions (HxWxD)	9.3 x 11.8 x 1.3 in/23.6 x 30.0 x 3.3 cm	9.3 x 11.8 x 1.3 in/23.6 x 30.0 x 3.3 cm
Weight (shipping)	4.4 lb/2.0 kg	4.6 lb/2.1 kg

¹ When the 128-MB SDRAM Memory Kit becomes available in 4Q98.

² For Hard Drives, GB = Billion Bytes.

³ IrDA 4MB compliant. IR performance will vary depending on performance of IR peripherals and applications used.

⁴ AssetControl monitor. AssetControl features are accessible with Compaq desktops featuring Intelligent Manageability.

⁵ May not be compatible with the ArmadaStation Monitor Support Stand, the Convenience Base I or the Convenience Base II due to weight limitations.

MEMORY

Compaq Armada 3500

Compaq Armada 3500





STANDARD MEMORY

32-MB Standard on System Board

Standard	Slot
1	
32 MB	

STANDARD MEMORY PLUS OPTIONAL MEMORY

Support for up to 160 MB¹ of memory with the installation of optional SDRAM Memory Kits

Up To	Slot
1	
48 MB 	
64 MB 	
96 MB 	
160 MB 	





STANDARD MEMORY

64-MB Standard on System Board

Standard	Slot
1	
64 MB	

STANDARD MEMORY PLUS OPTIONAL MEMORY

Support for up to 192 MB¹ of memory with the installation of optional SDRAM Memory Kits

Up To	Slot
1	
80 MB 	
96 MB 	
128 MB 	
192 MB 	

Note: Following are memory options available from Compaq:

- 16-MB SDRAM Memory Kit 314889-B21
- 32-MB SDRAM Memory Kit 314890-B21
- 64-MB SDRAM Memory Kit 314891-B21

¹ When the 128-MB SDRAM Memory Kit becomes available in 4Q98.

TECHSPECS

Compaq Armada 3500

System Unit

Dimensions (HxWxD)		
Stand alone system	9.2 x 11.8 x 1.3 in	
Stand alone system w/Mobile Expansion Unit	235 x 300 x 33.5mm	
Weight (system only)	12.1 in Display	13.1 in Display
Stand alone Configured		
Without AC Adapter and Power Cord	4.4 lb/2.0 kg	4.7 lb/2.1 kg
With AC Adapter and Power Cord (Total Carrying weight)	5.3 lb/2.4 kg	5.7 lb/2.6 kg
With External FDD Configured		
Without Power Cord	5.1 lb/2.3 kg	5.4 lb/2.5 kg
With Power Cord (Total Carrying weight)	6.0 lb/2.7 kg	6.3 lb/2.9 kg
Stand-Alone Power Requirements		
Maximum Operating Power	20 W	
Peak Operating Power	28 W (with M35EU)	
Power Supply (External AC Adapter)		
Rated Input Voltage	100-240 VAC	
Rated Input Current	1A	
Line Frequency	50-60 Hz	
Sound Power	3.5 Bels	
Temperature		
Operating	10° to 40°C	
Non-operating	-20° to 60°C	
Relative Humidity (non-condensing)		
Operating	10 to 90%	
Nonoperating	5 to 95%, 38.7°C Maximum wet bulb temperature	
Shock		
Operating	10 G	
Nonoperating	60 G	
Vibration		
Operating	0.000862 G/Hz, (nominal 0.5 Grms)	
Nonoperating	0.0138 G/Hz, (nominal 2.0 Grms)	
Maximum Altitude		
Operating	10,000 ft/3.05 km	
Nonoperating	30,000 ft/9.14 km	

12.1-Inch Color TFT SVGA Display

Dimensions (HxW)	7.26 x 9.68 in/18.45 x 24.6 cm
Diagonal Size	12.1 in/30.7 cm
Mounting	Internal
Number of Colors	Up to 16.8 million with dithering
Contrast Ratio	150:1
Brightness	Over 135 cd/m ²
Pixel Resolution	
Pitch	31 x 31 mm
Format	800 x 600
Configuration	RGB Stripe
Backlight	Edge Lit
Character Display	80 x 25
Total Power Consumption	7 W

13.3-Inch Color TFT
1024 x 768 Display

Dimensions (HxW)	10.6 x 7.9 in/26.9 x 20.1 cm
Diagonal Size	13.3 in/33.8 cm
Mounting	Internal
Number of Colors	Up to 16.8 million with dithering
Contrast Ratio	Minimum 100:1
Brightness	Over 120 cd/m ²
Pixel Resolution	
Pitch	0.264 x 0.264 mm
Format	1024 x 768
Configuration	RGB stripe
Backlight	Edge Lit
Character Display	80 x 25
Total Power Consumption (maximum)	7 W

SMART Hard Drives¹

	4.1-GB²	6.4-GB²
Formatted Capacity Per Drive	4.09 GB ²	6.48 GB ²
Drive Type	65	65
Transfer Rate		
Media	51.7-83.4 Mb/s	67.5-111.9 Mb/s
Interface	16.6 Mb/s, 33.3 Mb/s (UDMA)	16.6 Mb/s, 33.3 Mb/s (UDMA)
Sector Interleave	1:1	1:1
Seek Times (typical, including settling)		
Track-to-track	4.0 ms	3.0 ms
Average	13.0 ms	13.0 ms
Maximum	23.0 ms	25.0 ms
Disk Rotational Speed	4009 rpm	4200 rpm
Physical Configuration		
Cylinders	6975	8960
Heads	6	6
Sectors per track	114-240	178-294
Bytes per sector	512	512
Logical Configuration		
Cylinders	7944	13424
Heads	16	15
Sectors per track	63	63
Bytes per sector	512	512
Buffer Size	512 KB	512 KB

Diskette Drive

Diskette Size	3.5-inch
Light	On-System
Height	.5 in/12.7 mm
Bytes per Sector	512

Diskette Drive (cont'd)

Sectors per track	
High density	18 (1.44 MB)/15 (1.2 MB)
Low density	9
Tracks per side	
High density	80 (1.44 MB)/80 (1.2 MB)
Normal density	80
Read/Write heads	2
Access Times	
Track-to track (high/low)	3 ms/6 ms
Average (high/low)	94 ms/174 ms
Settling time	15 ms
Latency average	100 ms

AC Adapter (External)

Dimensions (HxWxL)	1.1 x 1.8 x 4.3 in/2.7 x 4.4 x 10.5 cm
Weight	.6 lb/.3 kg
Power Supply (Input)	
Voltage	100 - 240 VAC
Current	< .9 A
Input Frequency	50 to 60 Hz
Temperature	
Normal Operating	140° F/60° C
Operating	41° to 104° F/5° to 40° C
Nonoperating	-4° to 185° F/-20° to 85° C
Relative Humidity	
Operating	10 to 95%
Nonoperating	10 to 95%

Standard Li-Ion Battery Pack

Dimensions (HxWxL)	0.9 x 8.6 x 2.64 in/2.4 x 21.8 x 6.7 cm
Weight	.89 lb/.40 kg
Cells	6
Energy	
Voltage	10.8V
Amp-hour capacity	3.0 Ah
Watt-hour capacity	32.4 W
Temperature	
Operating	50° to 104° F/10° to 40° C
Nonoperating	-12° to 140° F/-30° to 60° C
Performance (Typical)	
Charging time (6-cell)	2.0 hours nonoperating/4 hours trickle charge
Battery Life (6-cell)	Over 2 hours ³
Suspend Life (6-cell)	250 hours/10 days

Extended Life Li-Ion Battery Pack (optional)

Dimensions (HxWxL)	0.9 x 11.2 x 2.6 in/2.4 x 28.4 x 6.7 cm
Weight	9 lb/4 kg
Energy	
Voltage	10.8 V
Amp-hour capacity	4.5 Ah
Watt-hour capacity	48.6 Wh
Temperature	
Operating	50° to 104° F/10° to 40° C
Nonoperating	-12° F to 140° F/-30° to 60° C
Performance	
Battery Life (9-cell)	Over 3 hours ³
Charging time (9-cell)	3.0 hours nonoperating/5 hours trickle charge

24X Max⁺ CD-ROM Mobile 3500 Expansion Unit (optional)

Dimensions (HxWxD)	
Stand-alone	0.9 x 11.7 x 9.0 in/2.3 x 30.0 x 23.6 cm
With system	2.1 x 11.8 x 9.3 in/5.4 x 30.0 x 23.6 cm
Weight	2.6 lbs/1.2 kg
Power Supply (Input)	
Rated Voltage	100 to 240 VAC
Rated Current	1 Amp Maximum
Line Frequency	50 to 60 Hz
Temperature	
Operating	50° to 95° F/10° to 35° C
Nonoperating	-4° to 140° F/-20° to 60° C
Relative Humidity	
Operating	20 to 80%
Nonoperating	5 to 90%
Altitude	
Operating	10,000 ft/3.15 km
Nonoperating	30,000 ft/9.14 km
Shock	
Operating	5 G, 11 ms, half sine
Nonoperating	140 G, 2 ms, half sine
Vibration	
Operating	0.25 G, 5 to 500 Hz, 0.5 octave/min sweep rate
Nonoperating	0.75 G, 5 to 500 Hz, 0.5 octave/min sweep rate

24X Max⁺ CD-ROM Drive (included with the Mobile 3500 Expansion Unit)

Compatible Disc Formats	CD-ROM, CD_XA ready (Except ADPCM), CD-I ready, CD-DA, CD-R (read only), CD Plus, Photo CD (single and multi-session), CD-Extra, Video CD, CD-G, CD-RW
Center Hole Diameter	15 mm
Disc Diameter	8 cm
Disc Thickness	1.2 mm
Track Pitch	1.6 µm

24X Max⁴ CD-ROM Drive
(included with the Mobile
3500 Expansion Unit)
(cont'd)

Laser	
Output power	0.24 +/- 0.1 mW
Type	GaAiAS double hetero laser diode
Wave length	780 nm at Ph-4.3 mW
Access Time	
Random	150 ms (typical)
Full stroke	300 ms (typical)
Audio Output Level – Line Out	
	.8 Vrms +/- 0.27 Vrms
Cache Buffer	
	128 KB
Data Transfer Rates	
Sustained 1X	150 Kb/s
Sustained 24X	3600 Kb/s (outer diameter)
Start up Time	
	< 8 sec
Stop Time	
	< 4 sec

DVD-ROM Mobile
3500 Expansion Unit
(optional)

Dimensions (HxWxD)	
Stand-alone	0.9 x 11.7 x 9.0 in/2.3 x 30.0 x 23.6 cm
With system	2.1 x 11.8 x 9.3 in/5.4 x 30.0 x 23.6 cm
Weight	
	2.6 lbs/1.2 kg
Power Supply (Input)	
Rated Voltage	100 to 240 VAC
Rated Current	1Amp Maximum
Line Frequency	50 to 60 Hz
Temperature	
Operating	50° to 95°F/10° to 35°C
Nonoperating	-4° to 140°F/-20° to 60°C
Relative Humidity	
Operating	20 to 80%
Nonoperating	5 to 90%
Altitude	
Operating	10,000 ft/3.15 km
Nonoperating	30,000 ft/9.14 km
Shock	
Operating	5 G, 11 ms, half sine
Nonoperating	140 G, 2 ms, half sine
Vibration	
Operating	0.25 G, 5 to 500 Hz, 0.5 octave/min sweep rate
Nonoperating	0.75 G, 5 to 500 Hz, 0.5 octave/min sweep rate

DVD-ROM Drive (included
with the Mobile 3500
Expansion Unit)

Compatible Disc Formats	DVD; DCD-Video, DVD-ROM, DVD-R, CD-DA, CD-ROM, CD-XA (except ADPCM), CD-I ready , CD-R (read only), CD-Plus, Photo CD, CD-Extra, Video CD
Center Hole Diameter	.59 in/15 mm
Disc Diameter	12 cm, 8 cm
Disc Thickness	1.2 mm

DVD-ROM Drive (included with the Mobile 3500 Expansion Unit) (cont'd)

Track Pitch	1.6 μ m
Laser	
Beam divergence	53.5 +/- 1.5°
Output power	0.13 +/- .1 mw
Type	Semiconductor Laser GaAlAs
Wave length	780 +/- 25 nm
Access Times (typical, including settling)	
DVD-ROM	200 ms
CD-ROM	150 ms
Audio Output Level	
Line out	0.8+/- .27 Vrms
Headphone	none
Cache Buffer	128 KB
Data Transfer Rate (typical, including settling)	
DVD-ROM	2X CLV (2700 Kb/s)
CD-ROM	20X Max (3000 Kb/s)
Burst	16.66 Mb/s
Startup Time	< 15 seconds
Stop Time	< 6 seconds

¹ Hard drive specifications may vary slightly depending on vendor.

² For Hard Drives, GB = Billion Bytes.

³ Actual results may vary with individual usage. When tested in standard configuration, using the Ziff-Davis BatteryMark Test version 2.0, the battery life of the Armada 3500 will range up to 2.1 hours. Standard configuration at time of announce is considered to be one battery, a 800x600 (256 colors) panel set at 50% brightness, 32MB RAM and no drives other than the hard drive active.

⁴ Data transfer rates will vary from 150 Kb/s to 3600 Kb/s.

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