

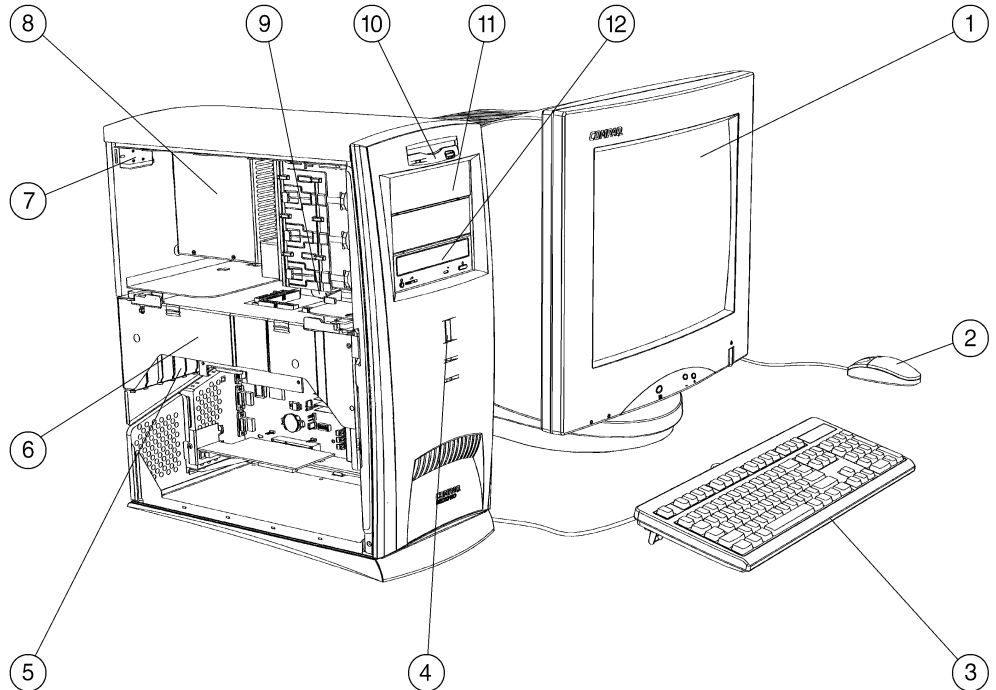
## Overview

### WHAT'S NEW

- Sound Blaster PCI 128 Audio Sound Card with internal Premier•Sound
- 8X/4X/32X CD-RW Drive
- SuperDisk (LS-120) 2X High Capacity Floppy Drive
- Easy Access Keyboard

### AT A GLANCE

- 100- or 133-MHz Front Side Bus models
- Intel Pentium® III processor (133 MHz) 733-, 667- or 600E-MHz
- Intel Pentium III processors (100 MHz) 500, 550, 600, 650 or 700 MHz
- Compaq Premier•Sound™
- Compaq Intelligent Manageability
- Dual Installation Windows 95/98 (End user must make a one-time selection between Windows 95 and Windows 98. If end user desires the rejected product(s) after selection is made, the end user must acquire and pay for rejected product separately.), Windows 95, Windows 98, or Windows NT 4.0 pre-installed (model dependent)
- Protected by Compaq Services, including a three-year, Limited Warranty - Terms and conditions vary by country. Certain restrictions and exclusions apply.



- |   |                                      |
|---|--------------------------------------|
| 1. V900 Color Monitor (optional)        | 7. Smart Cover Lock                  |
| 2. Mouse                                | 8. 200-Watt Power Supply             |
| 3. Enhanced Keyboard                    | 9. SMART III Ultra ATA 66 Hard Drive |
| 4. Dual-State Power Button              | 10. 1.44-MB Diskette Drive           |
| 5. Expansion Slots                      | 11. Expansion Bays                   |
| 6. Expansion Card Cage with Lift Levers | 12. CD-ROM Drive                     |

**COMPAQ**

# QUICK SPECS

Compaq Deskpro EN Series  
Minitower

## Standard Features

### MODELS

Deskpro EN Series Minitower  
Available in multiple  
configurations

#### Processor

Choice of Intel Pentium III Processor

#### Upgradability

Allows for upgrade of processor, memory, graphics and hard drive

#### Network Controller

Intel PRO/100+ Management Adapter

**Note:** Deskpro EN Series Minitower models with Intel Pentium III 500-MHz processor transition to the Intel PRO/100+ Management Adapter effective May 17, 1999.

#### Expansion Slots

PCI 5

PCI/ISA 2

AGP 1

**Note:** Availability will depend on configuration.

PCI 4

ISA 1

PCI/ISA 1

AGP 1

**Note:** Availability will depend on configuration.

**Note:** 820 chipset includes one PCI/ISA slot

#### Expansion Bays

Internal 1

External 4

**Note:** Availability will depend on configuration.

#### Storage

Diskette Drive 1.44 MB

CD-ROM Drive One of the following:

40X Max CD-ROM Drive

32X Max CD-ROM Drive

Hard Drives One of the following:

13.5-GB 7200 rpm SMART III Ultra ATA 66

10.0-GB 7200 rpm SMART III Ultra ATA 66

#### Interfaces

Parallel 1

Serial 2

Pointing Device (mouse) 1

RJ-45 1

USB 2

SCSI 0

Keyboard 1

Video 1

Audio 4

#### Graphics – One of the following:

Matrox Millennium G400-SG AGP Graphics Controller with 16-MB SGRAM standard, not upgradable, providing maximum resolution of 2048 x 1536 x 16.7M colors at 65 Hz

ATI RAGE PRO TURBO AGP 2X Graphics Controller card with 8-MB SDRAM standard not upgradable, providing maximum resolution of 1280 x 1024 x 16.7M colors at 85 Hz

Integrated Intel 3D Graphics featuring Intel Dynamic Video Memory (DVM) technology with 8-MB video memory equivalent performance, providing maximum resolution of 1280 x 1024 with 16.7M colors 85 Hz

#### Audio – One of the following:

Compaq Premier•Sound using ESS 1869 16-bit Full-Duplex audio, input/output jacks, internal speaker

## Standard Features

AC97 with Compaq Premier<sup>®</sup> Sound (integrated), input/output jacks, internal speakers

### Intelligent Manageability

Compaq Intelligent Manageability, a key component of PC Lifecycle Solutions, is the broad set of manageability features found on all Compaq Deskpro desktops, Armada portables, Professional Workstation, and ProLiant server products. These best-of class features on PC clients comply with industry standards, such as DMI and Wired for Management, while pioneering new ground in client manageability. Compaq introduced the industry's first line of manageable clients in 1995 and has been driving the industry ever since. With Compaq's lifecycle management philosophy, enterprises have all of the pieces for end-to-end management and proven tools for hassle-free management of PCs and significantly lower Total Cost of Ownership.

Intelligent Manageability offers solutions in the areas of Initial Configuration and Deployment, Asset Tracking and Security, Software Updating and Management, and Fault Notification and Recovery. For more information, visit our website: [www.compaq.com/im](http://www.compaq.com/im).

### Operating System – One of the following:

Windows NT 4.0

Windows 98

Windows 95

Windows 95/98

(End user must make a one-time selection between Windows 95 and Windows 98. If end user desires the rejected product(s) after selection is made, the end user must acquire and pay for rejected product separately.)

### Software

Insight Personal Edition  
Computer Setup Utility  
Microsoft Internet Explorer  
Safety and Comfort Guide  
Diagnostics for Windows  
Intelligent Manageability Agent

### Security

Setup password  
Memory Change Alert  
Ownership Tag  
QuickLock/QuickBlank  
Power-On Password  
Removable Media Boot Control  
Removable Media Write Control  
Serial Port Control  
Parallel Port Control  
USB Port Control  
Network Server Mode  
Smart Cover Lock  
Smart Cover Sensor

### Power Supply

200 Watts

### Service and Support

On-site Warranty: This Three-year limited warranty delivers three years of on-site, next business-day service for parts and labor and includes free telephone support 7 x 24. Global coverage ensures that any product purchased in one country and transferred to another non-restricted country will remain fully covered under the original warranty.

**Note:** Terms and conditions vary by country. Certain restrictions and exclusions apply.

**Note:** On-site service may be provided pursuant to a service contract between Compaq and an authorized Compaq third-party provider, and is not available in certain countries. Global warranty response times are based on commercially reasonable best effort and may vary by country.

**Note:** Technical telephone support applies only to Compaq-configured Compaq and third-party Compaq-qualified hardware and software. Toll-free calling and 7x24 support may not be available in some countries.

# QUICKSPECS

Compaq Deskpro EN Series  
Minitower

## Standard Features

### Models

P733/820/13.5/128/C/4  
164024-xx2

<b>Front Side Bus</b>	133-MHz	<b>Optical Drive</b>	40X Max CD-ROM Drive
<b>Processor</b>	Intel Pentium III 733-MHz	<b>Hard Drive</b>	13.5-GB Ultra ATA 66
<b>Cache Memory</b>	256-KB integrated L2	<b>Graphics</b>	Matrox Millennium G400-SG AGP Controller
<b>Memory</b>		<b>Audio</b>	AC97 with Compaq <i>Premier</i> Sound
Standard	128 MB	<b>Software</b>	Windows NT 4.0
Maximum	512 MB		

P700/10+/128/C/4  
165583-xx3

<b>Front Side Bus</b>	100-MHz	<b>Optical Drive</b>	40X Max CD-ROM Drive
<b>Processor</b>	Intel Pentium III 700-MHz	<b>Hard Drive</b>	10.0-GB Ultra ATA 66
<b>Cache Memory</b>	256-KB integrated L2	<b>Graphics</b>	ATI RAGE PRO TURBO AGP 2X Controller
<b>Memory</b>		<b>Audio</b>	Compaq <i>Premier</i> Sound
Standard	128 MB	<b>Software</b>	Windows NT 4.0
Maximum	768 MB		

P667/820/13.5/128/C/4  
141536-xx2

<b>Front Side Bus</b>	133-MHz	<b>Optical Drive</b>	40X Max CD-ROM Drive
<b>Processor</b>	Intel Pentium III 667 MHz	<b>Hard Drive</b>	13.5-GB Ultra ATA 66
<b>Cache Memory</b>	256-KB integrated L2	<b>Graphics</b>	Matrox Millennium G400-SG AGP Controller
<b>Memory</b>		<b>Audio</b>	AC97 with Compaq <i>Premier</i> Sound
Standard	128 MB	<b>Software</b>	Windows NT 4.0
Maximum	512 MB		

P667/820/13.5/128/C/9  
141536-xx3

<b>Front Side Bus</b>	133-MHz	<b>Optical Drive</b>	40X Max CD-ROM Drive
<b>Processor</b>	Intel Pentium III 667 MHz	<b>Hard Drive</b>	13.5-GB Ultra ATA 66
<b>Cache Memory</b>	256-KB integrated L2	<b>Graphics</b>	Matrox Millennium G400-SG AGP Controller
<b>Memory</b>		<b>Audio</b>	AC97 with Compaq <i>Premier</i> Sound
Standard	128 MB	<b>Software</b>	Windows 95/98
Maximum	512 MB		

P650/10+/128/C/4  
159707-002

<b>Front Side Bus</b>	100-MHz	<b>Optical Drive</b>	40X Max CD-ROM Drive
<b>Processor</b>	Intel Pentium III 650 MHz	<b>Hard Drive</b>	10.0-GB Ultra ATA 66
<b>Cache Memory</b>	256-KB integrated L2	<b>Graphics</b>	ATI RAGE PRO TURBO AGP 2X Controller
<b>Memory</b>		<b>Audio</b>	Compaq <i>Premier</i> Sound
Standard	128 MB	<b>Software</b>	Windows NT 4.0
Maximum	768 MB		

# QUICK SPECS

Compaq Deskpro EN Series  
Minitower

## Standard Features

P600E/820/13.5/128/C/4  
155221-xx3

<b>Front Side Bus</b>	133-MHz	<b>Optical Drive</b>	40X Max CD-ROM Drive
<b>Processor</b>	Intel Pentium III 600-MHz	<b>Hard Drive</b>	13.5-GB Ultra ATA 66
<b>Cache Memory</b>	256-KB integrated L2	<b>Graphics</b>	Matrox Millennium G400-SG AGP Controller
<b>Memory</b>		<b>Audio</b>	AC97 with Compaq <i>Premier•Sound</i>
Standard	128 MB	<b>Software</b>	Windows NT 4.0
Maximum	512 MB		

P600E/820/13.5/128/C/9  
155221-xx2

<b>Front Side Bus</b>	133-MHz	<b>Optical Drive</b>	40X Max CD-ROM Drive
<b>Processor</b>	Intel Pentium III 600-MHz	<b>Hard Drive</b>	13.5-GB Ultra ATA 66
<b>Cache Memory</b>	256-KB integrated L2	<b>Graphics</b>	Matrox Millennium G400-SG AGP Controller
<b>Memory</b>		<b>Audio</b>	AC97 with Compaq <i>Premier•Sound</i>
Standard	128 MB	<b>Software</b>	Windows 95/98
Maximum	512 MB		

P600/10+/128/C/4  
154883-xx2

<b>Front Side Bus</b>	100-MHz	<b>Optical Drive</b>	32X Max CD-ROM Drive
<b>Processor</b>	Intel Pentium III 600-MHz	<b>Hard Drive</b>	10.0-GB Ultra ATA 66
<b>Cache Memory</b>	512-KB ECC L2	<b>Graphics</b>	ATI RAGE PRO TURBO AGP 2X Controller
<b>Memory</b>		<b>Audio</b>	Compaq <i>Premier•Sound</i>
Standard	128 MB	<b>Software</b>	Windows NT 4.0
Maximum	768 MB		

P600/10+/128/C/5  
166001-002

<b>Front Side Bus</b>	100-MHz	<b>Optical Drive</b>	32X Max CD-ROM Drive
<b>Processor</b>	Intel Pentium III 600-MHz	<b>Hard Drive</b>	10.0-GB Ultra ATA 66
<b>Cache Memory</b>	512-KB ECC L2	<b>Graphics</b>	ATI RAGE PRO TURBO AGP 2X Controller
<b>Memory</b>		<b>Audio</b>	Compaq <i>Premier•Sound</i>
Standard	128 MB	<b>Software</b>	Windows 95
Maximum	768 MB		

P550/10+/128/C/5  
122786-xx2

<b>Front Side Bus</b>	100-MHz	<b>Optical Drive</b>	32X Max CD-ROM Drive
<b>Processor</b>	Intel Pentium III 550 MHz	<b>Hard Drive</b>	10.0-GB Ultra ATA 66
<b>Cache Memory</b>	512-KB ECC L2	<b>Graphics</b>	ATI RAGE PRO TURBO AGP 2X Controller
<b>Memory</b>		<b>Audio</b>	Compaq <i>Premier•Sound</i>
Standard	128 MB	<b>Software</b>	Windows 95
Maximum	768 MB		

# QUICK SPECS

Compaq Deskpro EN Series  
Minitower

## Standard Features

P550/10+/128/C/4  
122786-xx3

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<b>Front Side Bus</b>	100-MHz	<b>Optical Drive</b>	32X Max CD-ROM Drive
<b>Processor</b>	Intel Pentium III 550-MHz	<b>Hard Drive</b>	10.0-GB Ultra ATA 66
<b>Cache Memory</b>	512-KB ECC L2	<b>Graphics</b>	ATI RAGE PRO TURBO AGP 2X Controller
<b>Memory</b>		<b>Audio</b>	Compaq Premier•Sound
Standard	128 MB	<b>Software</b>	Windows NT 4.0
Maximum	768 MB		

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P500/10+/128/C/5  
386185-xx2

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<b>Front Side Bus</b>	100-MHz	<b>Optical Drive</b>	32X Max CD-ROM Drive
<b>Processor</b>	Intel Pentium III 500-MHz	<b>Hard Drive</b>	10.0-GB Ultra ATA 66
<b>Cache Memory</b>	512-KB ECC L2	<b>Graphics</b>	ATI RAGE PRO TURBO AGP 2X Controller
<b>Memory</b>		<b>Audio</b>	Compaq Premier•Sound
Standard	128 MB	<b>Software</b>	Windows 95
Maximum	768 MB		

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P500/10+/128/C/4  
386185-xx3

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<b>Front Side Bus</b>	100-MHz	<b>Optical Drive</b>	32X Max CD-ROM Drive
<b>Processor</b>	Intel Pentium III 500-MHz	<b>Hard Drive</b>	10.0-GB Ultra ATA 66
<b>Cache Memory</b>	512-KB ECC L2	<b>Graphics</b>	ATI RAGE PRO TURBO AGP 2X Controller
<b>Memory</b>		<b>Audio</b>	Compaq Premier•Sound
Standard	128 MB	<b>Software</b>	Windows NT 4.0
Maximum	768 MB		

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## Options

### Memory

#### RDRAM

128-MB Memory Kit (1 x 128-MB RDRAM 45ns RIMM) 103989-B21

64-MB Memory Kit (1 x 64-MB RDRAM 45ns RIMM) 103988-B21

#### Bulk

128-MB Memory Kit (bulk) (1 x 128-MB RDRAM 45ns RIMM) 117671-B21

64-MB Memory Kit (bulk) (1 x 64-MB RDRAM 45ns RIMM) 117670-B21

#### RDRAM ECC

128-MB Memory Kit (1 x 128-MB RDRAM 45ns ECC RIMM) 103994-B21

64-MB Memory Kit (1 x 64-MB RDRAM 45ns ECC RIMM) 103993-B21

#### Bulk

128-MB Memory Kit (bulk) (1 x 128-MB RDRAM 45ns ECC RIMM) 117676-B21

64-MB Memory Kit (bulk) (1 x 64-MB RDRAM 45ns ECC RIMM) 117675-B21

#### 66-MHz SDRAM DIMMs

##### SDRAM

128-MB Memory Kit (1 x 128-MB SDRAM DIMM, 66 MHz) 270812-B21

64-MB Memory Kit (1 x 64-MB SDRAM DIMM, 66 MHz) 242805-B21

32-MB Memory Kit (1 x 32-MB SDRAM DIMM, 66 MHz) 242804-B21

##### SDRAM ECC

128-MB Memory Kit (1 x 128-MB SDRAM ECC DIMM, 66 MHz) 270843-B21

64-MB Memory Kit (1 x 64-MB SDRAM ECC DIMM, 66 MHz) 270842-B21

32-MB Memory Kit (1 x 32-MB SDRAM ECC DIMM, 66 MHz) 270841-B21

#### 100-MHz SDRAM DIMMs

##### SDRAM

256-MB Memory Kit (1 x 256-MB SDRAM DIMM, 100 MHz) 102306-B21

128-MB Memory Kit (1 x 128-MB SDRAM DIMM, 100 MHz) 166614-B21

64-MB Memory Kit (1 x 64-MB SDRAM DIMM, 100 MHz) 166613-B21

32-MB Memory Kit (1 x 32-MB SDRAM DIMM, 100 MHz) 166612-B21

#### Bulk

128-MB Memory Kit (bulk) (1 x 128-MB SDRAM DIMM, 100 MHz) 294454-B21

64-MB Memory Kit (bulk) (1 x 64-MB SDRAM DIMM, 100 MHz) 294218-B21

32-MB Memory Kit (bulk) (1 x 32-MB SDRAM DIMM, 100 MHz) 294216-B21

##### SDRAM ECC

256-MB Memory Kit (1 x 256-MB SDRAM ECC, 100 MHz) 102307-B21

128-MB Memory Kit (1 x 128-MB SDRAM ECC, 100 MHz) 166618-B21

64-MB Memory Kit (1 x 64-MB SDRAM ECC, 100 MHz) 166617-B21

32-MB Memory Kit (1 x 32-MB SDRAM ECC, 100 MHz) 166616-B21

#### Bulk

128-MB Memory Kit (bulk) (1 x 128-MB SDRAM ECC, 100 MHz) 294455-B21

64-MB Memory Kit (bulk) (1 x 64-MB SDRAM ECC, 100 MHz) 294219-B21

32-MB Memory Kit (bulk) (1 x 32-MB SDRAM ECC, 100 MHz) 294217-B21

**Note:** RDRAM can only support a total of 32 devices. Each memory module contains a different number of devices.

**Note:** Bulk memory skus are priced individually but must be ordered in lots of 50. Only orders of 50 are accepted.

**Note:** There is no exchange or return program available for replacing standard memory.

## Options

### Monitors

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TFT8000 Flat Panel	307906-001
TFT5000 Flat Panel	325700-001
P1610 Color	305708-001
P110 Color	325600-001
P75 Color	307806-001
V1000 Color	351757-001
V900 Color	303500-001
V700 Color	325800-001
V500 Color	325900-001
S900 Color	360562-001
S700 Color	360512-001

### Graphics

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4-MB SGRAM 100-MHz SODIMM (to support the ATI RAGE PRO TURBO AGP 2X)	294227-B21
Matrox Millennium G200-SG AGP Graphics Controller (with 8-MB SGRAM)	294308-B21
Matrox Millennium G200-SD PCI Graphics Controller (with 8-MB SDRAM)	124806-B21
Matrox Millennium G400-SG AGP Graphics Controller (with 16-MB SGRAM)	158358-B21
Matrox Millennium G200 DVI/DFP Daughter Card	124807-B21
Matrox Millennium G400 DVI Daughter Card	388557-xx1
8-MB 143-MHz R.92 SGRAM Video Memory Module (to support the Matrox Millennium G200 AGP graphic solution)	294417-B21

### Removable Storage

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SuperDisk (LS-120) 2X High-Capacity Floppy Drive Kit	388117-B21
ZIP 100 High-Capacity Floppy Drive Kit	294402-xx1
ZIP 100 Media 3-Pack Kit	127591-xx1
ZIP 250 High-Capacity Floppy Drive Kit	294416-xx1
TR5 10/20 GB IDE Tape Drive Kit	294243-B21
TR5 10/20 GB IDE Media 3-Pack	125782-B21

### Optical Drives

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10X/40X DVD-ROM Drive	294414-xx1
8X/4X/32X CD-RW Drive Kit	294407-B21
32X Max CD-ROM Drive Kit	294240-xx1
40X Max CD-ROM Drive Kit	388116-xx1
PCI Dxr3 DVD Decoder Card	294422-B21



## Options

### Hard Drives

#### *Ultra ATA 66 Hard Drives with Drive Protection System (DPS)*

27.0-GB 7200 rpm SMART III Ultra ATA 66 Hard Drive with DPS	161610-B21
20.0-GB 7200 rpm SMART III Ultra ATA 66 Hard Drive with DPS	124724-xx1
13.5-GB 7200 rpm SMART III Ultra ATA 66 Hard Drive with DPS	124723-xx1
10.0-GB 7200 rpm SMART III Ultra ATA 66 Hard Drive with DPS	127452-xx1
6.4-GB 5400 rpm SMART III Ultra ATA 66 Hard Drive with DPS	124721-xx1

#### *SCSI Hard Drives*

36.0-GB 10,000 rpm Ultra3 SCSI Hard Drive	161498-B21
18.2-GB 10,000 rpm Ultra3 SCSI Hard Drive	159764-B21
18.2-GB 7200 rpm Ultra3 SCSI Hard Drive	147503-B21
9.1 GB 10,000 rpm Wide Ultra3 SCSI Hard Drive	159763-B21
9.1-GB 7200 rpm Wide Ultra2 SCSI Hard Drive	120204-B21

**Note:** SCSI hard drives require a SCSI controller.

### Controllers/Cables/Adapters

Wide Ultra SCSI Controller Kit	294311-xx1
Wide Ultra2 SCSI Controller Kit	124720-B21
Ultra3 Single Channel SCSI Controller Kit	157810-B21
Ultra3 Dual Channel SCSI Controller Kit	144387-B21

### Multimedia

32X Max <i>Premier•Sound</i> Multimedia Kit	294296-001
40X Max <i>Premier•Sound</i> Multimedia Kit	388551-001
Compaq Microphone Kit	103589-B21
<i>Premier•Sound</i> Audio Card Kit	387471-xx1
Sound Blaster Audio PCI 128 PS Kit	388550-xx1
Compaq <i>Premier•Sound</i> PS115 Speakers	133566-xxx

## Options

### Communications

Intel PRO/100+ Management Adapter Kit	127453-B21
Compaq USB ISDN Adapter	321750-B31
Compaq Microcom 610 Internal ISDN Adapter	333056-B21
Compaq NC3121 Fast Ethernet NIC PCI 10/100 WOL	323551-B21
Compaq NC4621 Token Ring NIC PCI 4/16 WOL	379956-B21
Compaq 10 T PCI Intel UTP Controller	317356-B21
Compaq 10/100 TX PCI Intel UTP Controller	317600-B21
Compaq 16/4 TR ISA IBM UTP/STP Controller	301207-B21
Compaq Microcom 705 Corporate Communicator	294700-001
Compaq 56K ISA Fax Modem	294900-002
Compaq 56K PCI Fax Modem	321500-001
Compaq 56K USB Fax Modem	322050-001
Compaq Microcom 510 56K External Fax Modem	316906-002
Compaq Microcom 415 56K External Fax Modem w/ Speakerphone	321108-002

**Note:** Designed only to allow faster downloads from K56flex compliant sources. Maximum achievable download transmission rates currently do not reach 56 Kbps and will vary with line conditions. Modem only works with Windows 9.x and Windows NT.

### Input/Output Devices

Compaq I/O Expansion Board	294293-xx1
Easy Access Keyboard	122660-xx6
Compaq Enhanced Smart Card Keyboard	115504-xx6
Compaq Smart Card Keyboard	115506-xx6
Compaq 2-Button Mouse	143315-xx3
Compaq Scroll Mouse	170299-B21
Compaq Fingerprint Identification Reader	294307-xx1
Compaq Smart Card Reader	113771-B21
Compaq Enhanced Smart Card Reader	113784-B21

### Support Software CD

Annual Subscription	183426-xxx
Single CD-ROM (current month)	272505-001

## Memory

**BX chipset (128-MB)**

### STANDARD MEMORY

128-MB DIMM Memory Installed

Standard	Slot		
	1	2	3
128 MB	128 MB	Empty	Empty

### STANDARD MEMORY PLUS

#### OPTIONAL MEMORY

Support for up to 640 MB of DIMM memory is available with the installation of optional SDRAM Memory Kits.

Up to	Slot		
	1	2	3
640 MB	128 MB	256 MB	256 MB

### STANDARD MEMORY REPLACED

#### WITH OPTIONAL MEMORY

Support for up to 768 MB of DIMM memory is available with the removal of the standard 128-MB DIMM and the installation of optional SDRAM Memory Kits.

Up to	Slot		
	1	2	3
768 MB	256 MB	256 MB	256 MB

**Note:** It is not necessary to add memory in like pairs or kits. Memory upgrades are accomplished by adding single or multiple DIMMs of the same or varied sizes. This chart does not represent all possible memory configurations.

Following are memory options available from Compaq for the Deskpro EN Series Minitower:

100-MHz SDRAM DIMMs:

- 256-MB Memory Kit (1 x 256-MB SDRAM DIMM, 100 MHz) 102306-B21
- 128-MB Memory Kit (1 x 128-MB SDRAM DIMM, 100 MHz) 166614-B21
- 64-MB Memory Kit (1 x 64-MB SDRAM DIMM, 100 MHz) 166613-B21
- 32-MB Memory Kit (1 x 32-MB SDRAM DIMM, 100 MHz) 166612-B21
  
- 256-MB Memory Kit (1 x 256-MB SDRAM DIMM ECC, 100 MHz) 102307-B21
- 128-MB Memory Kit (1 x 128-MB SDRAM DIMM ECC, 100 MHz) 166618-B21
- 64-MB Memory Kit (1 x 64-MB SDRAM DIMM ECC, 100 MHz) 166617-B21
- 32-MB Memory Kit (1 x 32-MB SDRAM DIMM ECC, 100 MHz) 166616-B21
  
- 128-MB Memory Kit (bulk) (1 x 128-MB SDRAM DIMM, 100 MHz) 294454-B21
- 64-MB Memory Kit (bulk) (1 x 64-MB SDRAM DIMM, 100 MHz) 294218-B21
- 32-MB Memory Kit (bulk) (1 x 32-MB SDRAM DIMM, 100 MHz) 294216-B21
  
- 128-MB Memory Kit (bulk) (1 x 128-MB SDRAM ECC DIMM, 100 MHz) 294455-B21
- 64-MB Memory Kit (bulk) (1 x 64-MB SDRAM ECC DIMM, 100 MHz) 294219-B21
- 32-MB Memory Kit (bulk) (1 x 32-MB SDRAM ECC DIMM, 100 MHz) 294217-B21

## Memory

820 chipset (128-MB)

### STANDARD MEMORY

128-MB RIMM Memory Installed

Standard	Slot	
	1	2
128 MB	128 MB 8 devices	Continuity 0 devices

### STANDARD MEMORY PLUS OPTIONAL MEMORY

Support for up to 384 MB of RDRAM RIMM memory is available with the installation of optional RDRAM Memory Kits.

Up to	Slot	
	1	2
256 MBmv	128 MB 8 devices	128 MB 8 devices
384 MB	128 MB 8 devices	256 MB 16 devices

### STANDARD MEMORY REPLACED WITH OPTIONAL MEMORY

Support for up to 512 MB of RDRAM RIMM memory is available with the removal of the standard 512-MB RIMM and the installation of optional RDRAM Memory Kits.

Up to	Slot	
	1	2
512 MB	256 MB 16 devices	256 MB 16 devices

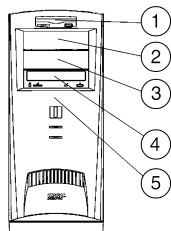
**Note:** It is not necessary to add memory in like pairs or kits. Memory upgrades are accomplished by adding single or multiple RIMMs of the same or varied sizes. This chart does not represent all possible memory configurations. RDRAM can only support a total of 32 devices. Each memory module contains a different number of devices.

**Note:** The number of devices in the memory modules will decrease in the year 2000 allowing maximum memory to increase.

Following are memory options available from Compaq for the Deskpro EN Series Minitower (Only RDRAM):

- 128-MB Memory Kit RDRAM 45ns RIMM 103989-B21
- 64-MB Memory Kit RDRAM 45ns RIMM 103988-B21
  
- 128-MB Memory Kit RDRAM 45ns ECC RIMM 103994-B21
- 64-MB Memory Kit RDRAM 45ns ECC RIMM 103993-B21
  
- 128-MB Memory Kit (bulk) RDRAM 45ns RIMM 117671-B21
- 64-MB Memory Kit (bulk) RDRAM 45ns RIMM 117670-B21
  
- 128-MB Memory Kit (bulk) RDRAM 45ns ECC RIMM 117676-B21
- 64-MB Memory Kit (bulk) RDRAM 45ns ECC RIMM 117675-B21
- Continuity Module (CRIMM) 164173-B21

## Storage



### DRIVE SUPPORT

	Quantity Supported	Position Supported	Controller
<b>Removable Media</b>			
1.44-MB Diskette Drive	1	1	Floppy
SuperDisk (LS-120) 2X High-Capacity Floppy Drive	3	1,2,3	IDE
ZIP 250 High-Capacity Floppy Drive	2	2,3	IDE
ZIP 100 High-Capacity Floppy Drive	2	2,3	IDE
TR5 10/20 GB IDE Tape Drive	1	2,3	IDE
40X Max CD-ROM Drive	2	2,3	IDE
32X Max CD-ROM Drive	2	2,3	IDE
8/4/32X CD-RW Drive	2	2,3	IDE
<b>Hard Drives</b>			
27.0-GB 7200 rpm SMART III Ultra ATA 66 Hard Drive	Up to 3	2,3,5	Ultra ATA 66(embedded)
20.0-GB 7200 rpm SMART III Ultra ATA 66 Hard Drive	Up to 3	2,3,5	Ultra ATA (embedded)
13.5-GB 7200 rpm SMART III Ultra ATA 66 Hard Drive	Up to 3	2,3,5	Ultra ATA 66(embedded)
10.0-GB 7200 rpm SMART III Ultra ATA 66 Hard Drive	Up to 3	2,3,5	Ultra ATA 66(embedded)
10.0-GB 5400 rpm SMART III Ultra ATA 66 Hard Drive	Up to 3	2,3,5	Ultra ATA (embedded)
6.4-GB 5400 rpm SMART III Ultra ATA Hard Drive	Up to 3	2,3,5	Ultra ATA (embedded)
36.0-GB 10,000 rpm Ultra3 SCSI Hard Drive	Up to 3	1,2,3	SCSI
18.2-GB 10,000 rpm Ultra3 SCSI Hard Drive	Up to 3	1,2,3	SCSI
18.2-GB 7200 rpm Ultra3 SCSI Hard Drive	Up to 3	1,2,3	SCSI
9.1-GB 10,000 rpm Wide-Ultra3 SCSI Hard Drive	Up to 3	1,2,3	SCSI
9.1-GB 7200 rpm Wide-Ultra2 SCSI Hard Drive	Up to 3	1,2,3	SCSI

## Technical Specifications

### System Unit

<b>Dimensions (HxWxD)</b>	20.25 x 8.38 x 18.6 in/51.44 x 21.29 x 47.24 cm
<b>Weight (approximate)</b>	40 lbs/18.1 kg
<b>Power Supply</b>	
Operating Voltage Range	90 to 132 VAC/180 to 264 VAC
Rated Voltage Range	100 to 120 VAC/220 to 240 VAC
Rated Line Frequency	47 to 63 Hz
Rated Input Current	5.5A
Maximum Rated Power	200W
<b>Temperature</b>	
Ambient Air Temperature	50° to 95°F/10° to 35°C
Maximum Rate of Change	50°F or 10°C/hour
Storage	-22° to 140°F/-30° to 60°C
Maximum Rate of Change	68°F or 20°C/hour
<b>Humidity</b>	
Operating	20% to 80%
Non-operating	5% to 90%
<b>Maximum Altitude</b>	
Operating	0 to 10,000 ft/0 to 3,048 m
Non-operating	0 to 30,000 ft/0 to 9,144 m
Maximum Rate of Change	1,500 feet per minute/457 meters per minute

### Enhanced Keyboard

<b>Dimensions (HxWxD)</b>	1.5 x 18 x 6.5 in/3.81 x 45.72 x 16.51 cm
<b>Weight</b>	3.15 lbs/1.59 kg

### 1.44-MB Diskette Drive

<b>Diskette Size</b>	3.5 in
<b>LED Indicators</b>	Green
<b>Read/Write Capacity per Diskette (high/low density)</b>	1.44 MB/720 KB
<b>Drive Height</b>	1 in
<b>Drive Rotation</b>	300 rpm
<b>Transfer Rate (high/low density)</b>	500/250 Kb/s
<b>Bytes/Sector</b>	512
<b>Sectors/Track (high/low density)</b>	18/9
<b>Tracks/Side (high/low density)</b>	80/80
<b>Seek Time</b>	
Track-to-Track (high/low density)	3/6 ms
Average (high/low density)	94/173 ms
Settling Time	15 ms
Latency Average	100 ms
<b>Cylinders (high/low)</b>	80/80
<b>Read/Write Heads</b>	2

# QUICKSPECS

Compaq Deskpro EN Series  
Minitower

## Technical Specifications

### SMART III Ultra ATA 66 Hard Drives

13.5-GB	Capacity	13,500 MB	<b>Seek Time</b> (typical reads, including settling)	
	Height	1 in/25.4 mm	Single Track	1.7 ms
	Width	3.5 in/88.9 mm	Average	8.5 ms
	Interface	Ultra ATA 66	Full-Stroke	15.0 ms
	Transfer Rate		Rotational Speed	7200
	Synchronous (Maximum)	66.6 MB/s	<b>Physical Configuration</b>	
			Bytes/Sector	512
			Logical Blocks	19,541,088
			<b>Operating Temperature</b> 41° to 131°F/5° to 55°C	
10.0-GB	Capacity	10,000 MB	<b>Seek Time</b> (typical reads, including settling)	
	Height	1 in/25.4 mm	Single Track	1.7 ms
	Width	3.5 in/88.9 mm	Average	8.5 ms
	Interface	Ultra ATA 66	Full-Stroke	15.0 ms
	Transfer Rate		Rotational Speed	7200
	Synchronous (Maximum)	66.6 MB/s	<b>Physical Configuration</b>	
			Bytes/Sector	512
			Logical Blocks	19,541,088
			<b>Operating Temperature</b> 41° to 131°F/5° to 55°C	

## Technical Specifications

### 40X Max CD-ROM Drive

<b>Disk</b>	
Applicable Disk	Photo-CD/Multi-session, Audio CD, CD-I, CD-ROM XA. MPEG, MPC level 2
	<b>Note:</b> Additional hardware required for CD-ROM XA.
Capacity	650 MB
Block Size	Mode 1: 2,048, bytes Mode 2: 2,340, 2,336 bytes (CD-DA): 2,352 bytes (CD-XA): 2,328 bytes
Rotational Speed	5200 rpm
Diameter	12 cm, 8 cm
Center Hole	15 mm
Thickness	1.2 mm
Track Pitch	1.6 $\mu$ m
<b>Interface</b>	IDE
<b>Access Time (typical)</b>	
Random	< 100 ms
Full-Stroke	< 150 ms
<b>Audio Output Level</b>	
Line-Out	0.7 V @ 47K ohm
Headphone	0.6 V @ 32 ohm
<b>Data Transfer Rate</b>	
Sustained	150 KB/s Min (audio)
Variable	2,550 to 6,000 KB/s (CD)
<b>Cache Buffer</b>	128 KB
<b>Start-up Time</b>	< 7 sec (typical); < 30 sec with multi-session
<b>Stop Time</b>	< 4 sec
<b>Laser Parameters</b>	
Type	Semiconductor Laser ConA1As
Wave Length	780 $\pm$ 25 nm
Divergence Angle	53.5 $^{\circ}$ $\pm$ 1.5 $^{\circ}$
Output Power	0.14mW @ objective lens
<b>Operating Conditions</b>	
Temperature	41 $^{\circ}$ to 113 $^{\circ}$ F/5 to 45 $^{\circ}$ C
Humidity	10% to 80% relative humidity
<b>Dimensions</b>	
(H x W x D, maximum)	1.69 x 5.91 x 8.2 in/4.29 x 15.01 x 20.8 cm
<b>Weight</b>	2.65 lbs/1.2 kg



## Technical Specifications

### 32X Max CD-ROM Drive

<b>Disk</b>	
Applicable Disk	Photo-CD/Multi-session, Audio CD, CD-I, CD-ROM XA, MPEG, MPC level 2 <b>Note:</b> Additional hardware required for CD-ROM XA.
Capacity	650 MB
Block Size	Mode 1: 2,048 bytes Mode 2: 2,340, 2,336 bytes (CD-DA): 2,352 bytes (CD-XA): 2,328 bytes
Rotational Speed	5200 rpm
Diameter	12 cm, 8 cm
Center Hole	15 mm
Thickness	1.2 mm
Track Pitch	1.6 $\mu$ m
<b>Interface</b>	IDE
<b>Access Time (typical)</b>	
Random	< 100 ms
Full-Stroke	< 150 ms
<b>Audio Output Level</b>	
Line-Out	0.7 V @ 47 ohm
Headphone	0.6 V @ 32 ohm
Data Transfer Rate	
<b>Data Transfer Rate</b>	
Sustained	150 KB/s Min (audio)
Variable	1800 to 4800 KB/s (CD)
<b>Cache Buffer</b>	128 KB
<b>Start-up Time</b>	< 7 seconds (typical); < 30 sec with multi-session
<b>Stop Time</b>	< 4 seconds
<b>Laser Parameters</b>	
Type	Semiconductor Laser ConAIAs
Wave Length	780 $\pm$ 25 nm
Divergence Angle	53.5 $^{\circ}$ $\pm$ 1.5 $^{\circ}$
Output Power	0.14mW @ objective lens
<b>Operating Conditions</b>	
Temperature	41 $^{\circ}$ to 113 $^{\circ}$ F/5 $^{\circ}$ to 45 $^{\circ}$ C
Humidity	10% to 80% relative humidity
<b>Dimensions (HxWxD)</b>	1.69 x 5.91 x 8.2 in/4.29 x 15.01 x 20.8 cm
<b>Weight</b>	2.65 lbs/1.2 kg

## Technical Specifications

### Intel PRO/100+ Management Adapter

<b>Network Interface</b>	10/100 Base TX
<b>Expansion Bus Architecture</b>	PCI 2.2
<b>Network Transfer Rate</b>	
10Base-T (Half-Duplex)	10 Mb/s
10Base-T (Full-Duplex)	20 Mb/s
100Base-TX (Half-Duplex)	100 Mb/s
100Base-TX (Full-Duplex)	200 Mb/s
<b>Connectors</b>	RJ-45
<b>Standards Compliance</b>	
10-MB/s Ethernet	IEEE 802.3
100-MB/s Ethernet	IEEE 802.3u
<b>I/O Address</b>	Auto configured
<b>Remote Wakeup</b>	Yes
<b>Temperature</b>	
Operating	32° to 131°F/0° to 55°C
<b>Humidity (non-condensing)</b>	
Operating	85% at +131°F/+55°C
<b>Altitude</b>	
Operating	10,000 ft/3,048 m
<b>Communication Processor</b>	Intel 82559
<b>OS Driver Support</b>	
MS Windows NT 3.51 and 4.0	NDIS 3.0, 4.0 Compliant
MS Windows 95, 98, 2000 Beta	NDIS 3.0, 4.0, 5.0 Compliant
Novell NetWare Server v. 3.x, 4.x and 5.0	ODI Compliant
SunSoft Solaris	Not supported
SCO UnixWare, OpenDesktop, OpenServer	Supported

# QUICKSPECS

Compaq Deskpro EN Series  
Minitower

## Technical Specifications

### Matrox Millennium G400- SG AGP

	16-MB SGRAM	
	Colors Supported	Refresh Rate
<b>Resolution</b> (maximum)	16.7M	65 Hz
2048 x 1536		
<b>Acceleration</b>	3 ROP BitBLT, Line Draw, Text, Color Expansion, Basic Video Color, Conversion and Scaling and Triangle Setup Engine	
<b>Memory</b>	16 MB SGRAM	

### ATI RAGE PRO TURBO AGP 2X Graphics Controller with SDRAM

	8-MB SDRAM	
	Colors Supported	Refresh Rate
<b>Resolution</b> (maximum)	16.7M	75 Hz
1280 x 1024		
<b>Acceleration</b>	3 ROP BitBLT, Line Draw, Text, Color Expansion, Basic Video Color, Conversion and Scaling and Triangle Setup Engine	
<b>Memory</b>	8-MB SDRAM, not upgradable	

### ATI RAGE PRO TURBO AGP 2X Graphics Controller with SGRAM

	8-MB SGRAM	
	Colors Supported	Refresh Rate
<b>Resolution</b> (maximum)	16.7M	75 Hz
1280 x 1024		
<b>Acceleration</b>	3 ROP BitBLT, Line Draw, Text, Color Expansion, Basic Video Color, Conversion and Scaling and Triangle Setup Engine	
<b>Memory</b>	4-MB SGRAM, upgradable to 8 MB SGRAM	

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