

HP

Vectra

Corporate PCs

PC Service Handbook Chapter

HP Vectra VL600 MT

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Contents

This chapter provides:

- ☐ Product model numbers
- ☐ Supported Accessories
- ☐ System Board, BIOS, and memory information
- ☐ Part numbers

Replacement and Exchange Parts

The difference between a replacement and an exchange part is that when using an exchange part you should return the replaced part to HP.

Replacement and exchange parts listed in this manual are subject to change. However, updated part numbers are automatically cross-referenced to the old number. This means that you will receive the correct part using the numbers listed in this manual (even if the part's actual number has been updated).

Ordering Parts

Contact your local HP Customer Care Center or an HP Authorized support provider to get parts. Diagnostic is required in both cases, prior to any shipments. For HP Customer Care Centers

www.hp.com/go/vectrasupport and select ASSISTANCE

HP Vectra VL600 MT PC

Models and Accessories

Product Number	Hard Drive	Video Controller	Std. RAM	Multimedia	LAN	OS ¹
Vectra VL600 MT PC Models with Intel Pentium III Processor, 100 MHz System Bus Speed, and 512 KB Level 2 Cache Memory						
HP Vectra VL600 PC 533/100 (CPL: 01/2000 ►)						
D8650A	10 GB IDE	Matrox Millennium G250 AGP 2x (8 MB SGRAM upgradeable to 16 MB)	128 MB RDRAM	no	no	DOS
Vectra VL600 MT PC Models with Intel Pentium III Processor, 133 MHz System Bus Speed, and 256 KB Level 2 Cache Memory						
HP Vectra VL600 PC 533/133 (CPL: 01/2000 ►)						
D9737A/T	15 GB IDE	Matrox Millennium G250 AGP 2x (8 MB SGRAM upgradeable to 16 MB)	128 MB RDRAM	48 × Max IDE CD-ROM	no	W9x
D9738N/T				8 × / 40 × IDE DVD-ROM		NT 4.0 WS
D9739N/T		Matrox Millennium G400 AGP 4x (32 MB SGRAM fitted, not upgradeable)		4 × / 2 × / 20 × IDE CD-RW		



HP Vectra VL600 MT PC

Product Number	Hard Drive	Video Controller	Std. RAM	Multimedia	LAN	OS ¹	
HP Vectra VL600 MT PC 600/133 (CPL: 01/2000 ▶)							
D8647A/T	15 GB IDE	Matrox Millennium G250 AGP 2x (8 MB SGRAM upgradeable to 16 MB)	128 MB RDRAM	48 × Max IDE CD-ROM	no	W9x	
D8648N/T				8 × / 40 × IDE DVD-ROM			3COM 3C905C-TX
D8649N/T	30 GB IDE	Matrox Millennium G400 AGP 4x (32 MB SGRAM fitted, not upgradeable)					4 × / 2 × / 20 × IDE CD-RW
HP Vectra VL600 MT PC 667/133 (CPL: 01/2000 ▶)							
D8657A/T	15 GB IDE	Matrox Millennium G250 AGP 2x (8 MB SGRAM upgradeable to 16 MB)	128 MB RDRAM	48 × Max IDE CD-ROM	no	W9x	
D8658N/T				8 × / 40 × IDE DVD-ROM			3COM 3C905C-TX
D8659N/T	30 GB IDE	Matrox Millennium G400 AGP 4x (32 MB SGRAM fitted, not upgradeable)					4 × / 2 × / 20 × IDE CD-RW
HP Vectra VL600 MT PC 733/133 (CPL: 11/99 ▶)							
D8667A/T	15 GB IDE	Matrox Millennium G250 AGP 2x (8 MB SGRAM upgradeable to 16 MB)	128 MB RDRAM	48 × Max IDE CD-ROM	no	W9x	
D8668N/T				8 × / 40 × IDE DVD-ROM			3COM 3C905C-TX
D8669N/T	30 GB IDE	Matrox Millennium G400 AGP 4x (32 MB SGRAM fitted, not upgradeable)					4 × / 2 × / 20 × IDE CD-RW



HP Vectra VL600 MT PC

Product Number	Hard Drive	Video Controller	Std. RAM	Multimedia	LAN	OS ¹
HP Vectra VL600 PC 800/133 (CPL: 04/2000 ▶)						
D8679N/T	30 GB IDE	Matrox Millennium G400 AGP 4x (32 MB SGRAM fitted, not upgradeable)	128 MB RDRAM	4 × / 2 × / 20 × IDE CD-RW	3COM 3C905C-TX	NT 4.0 WS
Vectra VL600 MT PC Models with User Defined Processor, Main Memory, and Hard Disk						
HP Vectra VL600 MT PC ² (CPL: 01/2000 ▶)						
D8630E	User defined					

- Operating system preloaded on these models, as indicated in the table.
- Channel Assembly Program (CAP) models: Processor speed, hard disk size, memory and operating system is user defined.

Note

All models have an integrated full-duplex PCI audio controller.



HP Vectra VL600 MT PC

Supported Accessories

Memory

64-MB RDRAM, non-ECC main memory module	D9500A
128-MB RDRAM, non-ECC main memory module	D9502A
256-MB RDRAM, non-ECC main memory module	D9503A
64-MB RDRAM, ECC main memory module	D9504A
128-MB RDRAM, ECC main memory module	D9506A
256-MB RDRAM, ECC main memory module	D9507A

Video Memory

1 × 8 MB SGRAM SO DIMM for Matrox G250 Graphics Card	D9527A
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Video Cards

Matrox G400 DualHead Graphics Card	D9521A
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Documentation

HP Information CD-ROM	5011-8109
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To order your HP Information CD-ROM from HP's Web:

- 1 Go to **www.hp.com/go/vectrasupport**, then select **Manuals**
- 2 Select your product, then select **HP Information CD-ROM**

Input Devices

HP Standard Keyboard	C4735A
HP Multimedia Keyboard	C4742A
HP 2-button Mouse	C3751B
HP Scrolling Mouse	C4736A
HP Cordless Scrolling Mouse	C4740A

Monitors

All current HP Monitors (see the *HP Monitors Service Handbook*)

Mass Storage

6.4-GB 5400 rpm Ultra ATA/66 hard disk drive	D8372A
8.4-GB 5400 rpm Ultra ATA/66 hard disk drive	D8373A
10-GB 5400 rpm Ultra ATA/66 hard disk drive	D9623A
13.5-GB 7200 rpm Ultra ATA/66 hard disk drive	D8092A
9.1-GB 7200 rpm Ultra2 Wide SCSI hard disk drive	D6938A
9.1-GB 7200 rpm Ultra 160 SCSI hard disk drive	D6938B
HP 100 MB Atapi II Iomega ZIP drive	D6650B



Multimedia

48X Max IDE CD-ROM drive	D9444A
48X Max IDE CD-ROM drive (pack of 10)	D9445A
8X Video IDE DVD-ROM drive	D7521A
4X (Write) IDE CD-Writer Plus	D9524A
HP Amplified Speakers - by Labtec 10WRMS	D4545A
HP Amplified Speakers - by Labtec 4WRMS	D6861A
HP Standard Headset	D8387A

Data Communications and LAN Adapter Boards

HP 56K V90 USB External Modem (US only)	D8384A
HP 56K V90 USB External Modem	D8384B
HP 10/100BT Ethernet Adapter	D7508A
HP 10/100BT Ethernet Adapter (pack of 10)	D7509A
HP 3Com Fast Etherlink 3C905C-TX PCI NIC	D7522A
HP 3Com Fast Etherlink 3C905C-TX PCI NIC (pack of 10)	D7523A
HP Intel Pro/100+ Management Adapter	D7506A
HP Intel Pro/100+ Management Adapter (pack of 10)	D7507A

Security

HP Master Pass Key System Kit	D6655B
HP Spare Master Pass Key	D6658B
HP Locks for Master Pass Key System (pack of 50)	D9528A
HP ProtectTools Smart Card Reader Kit	D8436A
HP Power Protection Device	D7524A

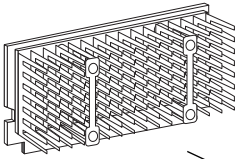
I/O Interfaces

HP Ultra2 SCSI Adapter Card	D9529A
HP USB Hub Accessory Kit	D6804A

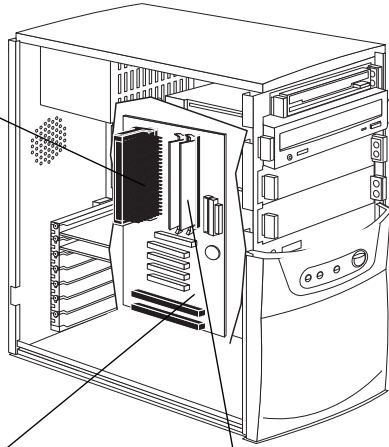


System Board, BIOS, and Memory

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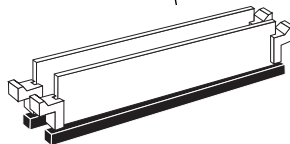


Processor: Intel Pentium III SECC2 package with integrated heatsink and level-2 cache memory.



SW1

System Board Switches:
See the table on the next page.



Main Memory:

Two RIMM sockets which support up to a maximum of 512 MB (1 GB when 512 MB RDRAM modules become available). Install 64 MB, 128 MB or 256 MB RDRAM modules.

Sockets cannot be empty. Install a continuity module in the empty socket. Continuity modules are flat on both sides (they have no soldered components) and lower than memory modules.

The airflow guide, located between the processor and the fan, is not shown in this figure.



System Board Switches

SW1

Switch		Function	Default
1	On	Crash recovery mode: forces booting in the BIOS boot block area	Off
	Off	Normal operation	
2	On	Clears CMOS (to reload the <i>Setup</i> program defaults)	Off
	Off	Normal operation	
3	On	Clears User and Administrator passwords	Off
	Off	Normal operation	

BIOS History

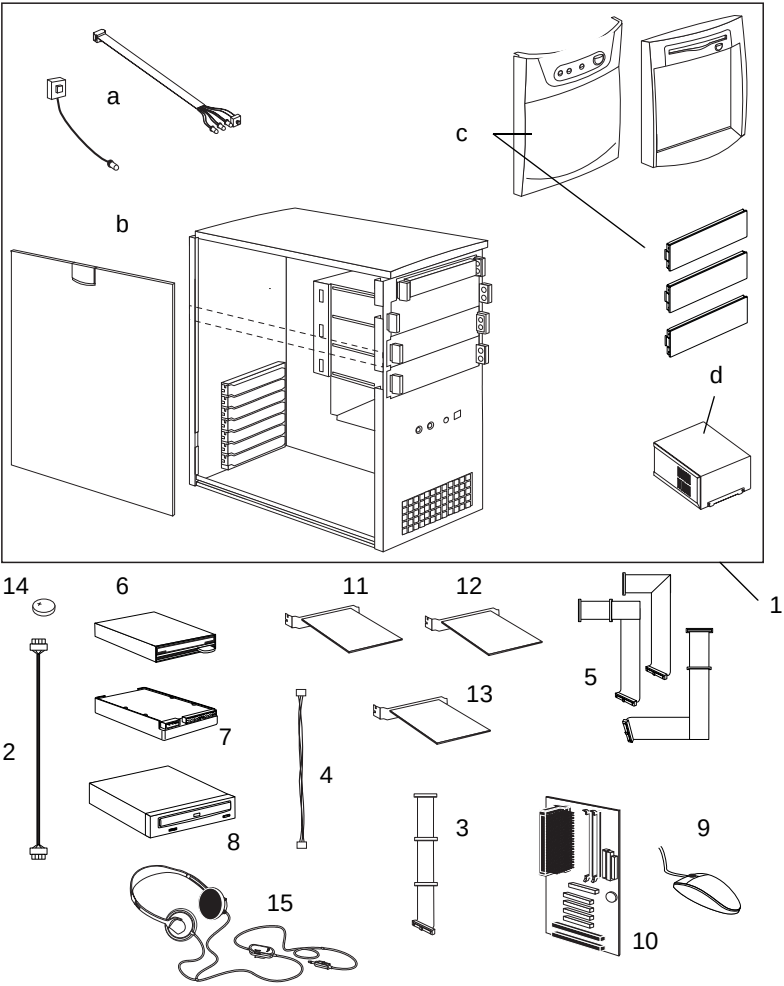
For the latest BIOS, the flasher utility program, and the BIOS history refer to the HP World Wide Web site.

<http://www.hp.com/go/vectrasupport/>



Part Numbers

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HP Vectra VL600 MT PC

Parts List for HP Vectra VL600 MT PC

Item	Description	Repl. Part Number	Exchange Part Number
1	Box assembly: a Power Switch kit b Chassis kit c Bezels/fillers kit d Power supply	— 5065-0446 5065-0448 5065-0449 0950-3707	— — — —
2	CD-ROM to audio connector cable	5182-1857	—
3	SCSI cable	5184-1520	—
4	SCSI LED cable	5183-9401	—
5	HDD, FDD and CD-ROM cable kit	5065-0443	—
6	1.44 Floppy disk drive	D2035-60391	—
7	IDE hard disk drive ¹ 8.4 GB 10 GB 13.5 GB 13.5 GB 15 GB 30 GB SCSI hard disk drive ¹ 9.1 GB Ultra2 Wide	 — — — — — —	 D9443-69001 D9805-69001 D8998-69001 D9440-60101 D9803-69001 D9804-69001 D6463-69001
8	48X Max IDE CD-ROM drive 8X/40X IDE DVD-ROM drive 4X/2X/20X IDE CD-RW	D4389-63021 — —	— D4388-69002 C4465-69001
9	Standard mouse Enhanced mouse with scroll/zoom wheel Standard keyboard Multimedia keyboard	C3751-60201 C4736-60101 C4739-601xx ² C4742-60xxx ²	— — — —
10	System board	See PC's system board parts list	
11	3Com 3C905C-TX LAN board	5064-7429	—
12	Matrox Millennium G250, 8 MB video card Matrox Millennium G400, 32 MB video card Matrox Millennium G400, 16 MB video card Matrox Millennium G250 8 MB upgrade memory module	5064-9191 5064-9192 5064-9194 1818-7975	— — D8924-69501 —
13	Symbios® SYM8952U Ultra2 SCSI card	5064-7466	—
14	Battery type CR2032	1420-0356	—
15	Headset	5183-9500	—



HP Vectra VL600 MT PC

Parts List for HP Vectra VL600 MT PC

Item	Description	Repl. Part Number	Exchange Part Number
not shown	Power cord	8120-xxxx ³	—

- For optional disk drive information, see the Accessory Service Handbook.
- Where "xx" is the code for your national keyboard (see the *Accessory Service Handbook*)
- Where "xxxx" is the code for your national power cord.

System Board Parts List for HP Vectra VL600 MT PC

Description	Repl. Part Number	Exchange Part Number
System board: Vectra VL600 system board with audio subsystem	D9731-60001	D9731-69001
Processors (SECC2 package):		
Intel Pentium III 450/100 512KB L2 cache	—	D7946-69001
Intel Pentium III 500/100 512KB L2 cache	—	D7947-69001
Intel Pentium III 550/100 512KB L2 cache	—	D7948-69001
Intel Pentium III 533EB/133 256KB L2 cache	—	D9026-69001
Intel Pentium III 533B/133 512KB L2 cache	—	D9450-69001
Intel Pentium III 600B/133 512KB L2 cache	—	D9451-69001
Intel Pentium III 600EB/133 256KB L2 cache	—	D9452-69001
Intel Pentium III 667/133 256KB L2 cache	—	D9453-69001
Intel Pentium III 733/133 256KB L2 cache	—	D9659-69001
Intel Pentium III 800EB/133 256KB L2 cache	—	D8854-69001
Main memory modules:		
Continuity memory module	D8660-63001	—
1 × 64-MB non-ECC RDRAM	5065-0489	—
1 × 128-MB non-ECC RDRAM	5065-0491	—
1 × 256-MB ECC RDRAM	5065-0493	—

Software Recovery CD-ROMs

<i>Recovery CD-ROM for Windows NT</i>	5970-0050-xx ¹
<i>Recovery CD-ROM for Windows 9x</i>	5970-0140-xx ²
<i>Recovery CD-ROM for Windows 98 - Japanese</i>	5970-0180-JP

- Where "xx" is the code for your language: CH=Chinese, DK=Danish, DU=Dutch, EN=English, FI=Finnish, FR=French, GR=German, IT=Italian, JP=Japanese, NO-Norwegian, PO=Portuguese, RU=Russian, SP=Spanish, SW=Swedish.
- Where "xx" is the code for your language: CH=Chinese, DK=Danish, DU=Dutch, EN=English, FI=Finnish, FR=French, GR=German, IT=Italian, NO-Norwegian, PO=Portuguese, RU=Russian, SP=Spanish, SW=Swedish, TK=Turkish.



Manuals and Documentation for HP Vectra VL600 MT PC

<i>HP Information CD-ROM¹</i>	5011-8109
<i>User's Guide</i>	no number ²
<i>Troubleshooting and Upgrade Guide</i>	no number ²
<i>Technical Reference Manual</i>	no number ²

1. The *HP Information CD-ROM* contains complete information for the HP Vectra VL600 PC. To order your HP Information CD-ROM from HP's Web:
 - 1 Go to **www.hp.com/go/vectrasupport**, then select **Manuals**
 - 2 Select your product, then select **HP Information CD-ROM**
2. Electronic file available on HP's Web site.

Notes:

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HP Vectra VL600 MT PC

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