

**service  
handbook  
chapter**

**hp vectra  
v1410 dt**

hp business pcs

[www.hp.com/go/vectrasupport](http://www.hp.com/go/vectrasupport)



**i n v e n t**

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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](http://www.hp.com/go/vectrasupport) and select **contact hp**

# hp vectra vl410 dt pc

## models and accessories

product number	hard drive	video controller	std. RAM	multimedia	OS <sup>1</sup>
<b>Vectra VL410 DT PC</b> <b>Models with Intel Celeron Processor,</b> <b>100 MHz System Bus Speed, and 128 KB Level 2 Cache Memory</b>					
<b>HP Vectra VL410 DT PC 900/100 (CPL: 09/2001 ▶)</b>					
<b>P4768A</b>	20 GB IDE, 5400 rpm	Direct AGP integrated in Intel chipset.	64 MB SDRAM	no	W98
<b>P5622A</b>			128 MB SDRAM		48 × Max IDE CD-ROM
<b>P6099A</b>					W98
<b>HP Vectra VL410 DT PC 950/100 (CPL: 09/2001 ▶)</b>					
<b>P6096A</b>	20 GB IDE, 5400 rpm	Direct AGP integrated in Intel chipset.	64 MB SDRAM	no	W98
<b>P6097A</b>				48 × Max IDE CD-ROM	
<b>P6100A</b>			128 MB SDRAM		W2000
<b>P6101A</b>					W98
<b>HP Vectra VL410 DT PC 1000/100 (CPL: 09/2001 ▶)</b>					
<b>P6098A</b>	20 GB IDE, 5400 rpm	Direct AGP integrated in Intel chipset.	128 MB SDRAM	48 × Max IDE CD-ROM	W2000
<b>P6102A</b>					W98
<b>Vectra VL410 DT PC</b> <b>Models with User Defined Processor, Main Memory, and Hard Disk</b>					
<b>HP Vectra VL410 DT PC<sup>2</sup> (CPL: 09/2001 ▶)</b>					
<b>P4390E</b>	User defined				

- Windows 2000 or Windows 98 operating system is preloaded on those models indicated in the table.  
Models with Windows 2000 operating system come with a CD-ROM for recovering Windows 2000 or downgrade to Windows NT 4.0 WS.
- Channel Assembly Program (CAP) models: Processor type and speed, hard disk size, memory and operating system is user defined.



# hp vectra v1410 dt pc

## note

All models have:

- Integrated Analog Devices AD1885 AC'97 stereo audio codec.
- Integrated Intel network controller.
- Integrated Direct AGP video controller.

## supported accessories

### Memory

64-MB SDRAM, non-ECC PC133 main memory module	P1536A
64-MB SDRAM, non-ECC PC133 main memory module (pack of 10)	P5100A
128-MB SDRAM, non-ECC PC133 main memory module	P1537A
128-MB SDRAM, non-ECC PC133 main memory module (pack of 10)	P5101A
256-MB SDRAM, non-ECC PC133 main memory module	P1538A
256-MB SDRAM, non-ECC PC133 main memory module (pack of 10)	P1502A

### Video Cards

NVIDIA GeForce2GTS 32MB Graphics Card	D1971A
NVIDIA GeForce2MX 32MB Graphics Card	D2289A

### Input Devices

HP PS2 Windows Keyboard	C4735B
HP PS2 Scrolling Mouse	C4736B

### Monitors

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

### Mass Storage

20-GB 7200 rpm Ultra ATA/100 hard disk drive	P1541A
HP USB external floppy disk drive	D9510A
HP 250 MB Atapi II internal ZIP drive	P1983A

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**Multimedia**

48X Max IDE CD-ROM drive	D9444A
16X Video IDE DVD-ROM drive	P1544A
HP USB external CD-RW drive	C4504/5A
16X 10X 40X IDE CD-Writer	P1543A
HP external USB web camera	P1978A
HP Multimedia Monitor Base	P1535A
HP Amplified External Speaker 9.6WRMS	P1534A
HP headset with microphone	P1968A
HP internal speaker (bulk)	P1967A

**Data Communications and LAN Adapter Boards**

HP 802.11b USB Wireless LAN	P1980A
HP 802.11b Wireless LAN Access Point (SMB)	P1981A
HP 802.11b Wireless LAN Access Point (Corporate)	F2135A
HP External USB Modem	P1979A
HP 3Com Fast Etherlink 3C905C-TX PCI NIC	P7522B

**Security**

HP Master Pass Key System Kit	D6655C
HP Spare Master Pass Key	D6658B
HP Locks for Master Pass Key System, option 1 (pack of 50)	D6659A
HP Locks for Master Pass Key System, option 2(pack of 50)	D9528A
HP Locks for Master Pass Key System, option 3 (pack of 50)	P1550A
HP Kensington Lock	F1645A

**I/O Interfaces**

HP One Serial Kit Extension	P5099A
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# hp vectra v1410 dt pc

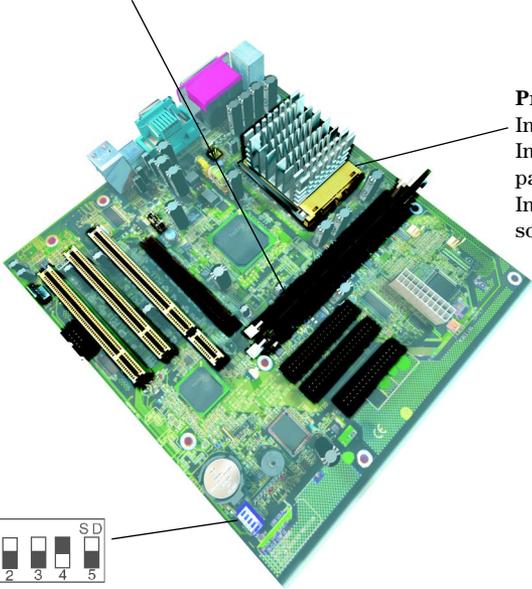
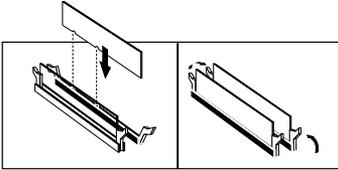
## system board, BIOS, and memory

1

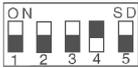
### Main Memory:

Two DIMM sockets which support up to a maximum of 512 MB.

Install 64 MB, 128 MB or 256 MB SDRAM modules.



**Processor:**  
Intel Pentium III or Intel Celeron FC-PGA package with Zero Insertion Force (ZIF) socket.



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



## system board switches

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

## BIOS history

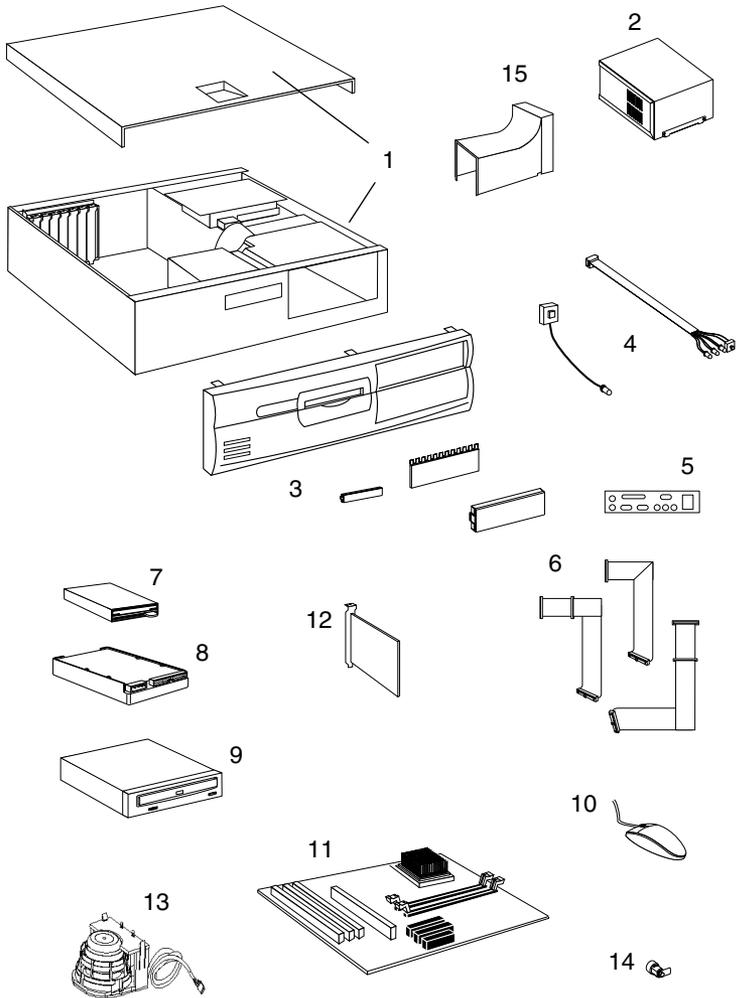
For the latest BIOS, the flasher utility program, and the BIOS history refer to the HP's Web site.

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



# hp vectra v1410 dt pc part numbers

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1-6 hp vectra v1410 dt pc

medium-profile  
desktop vectras



## parts list for hp vectra vl410 dt pc

Item	Description	Repl. Part Number	Exchange Part Number
1	Box assembly (chassis assembly, top cover assembly, CD-ROM tray, FDD and HDD tray, HDD RFI kit)	5065-2537	—
2	Power supply (PFC <sup>1</sup> )	0950-3983	—
3	Bezels/fillers kit (front bezel assembly, FDD filler kit, CD-ROM RFI plate)	5065-0439	—
4	Power switch kit (LED and switch holder assembly, intrusion switch holder assembly)	5065-0442	—
5	Rear bezel	5002-6282	—
6	HDD, FDD and CD-ROM cable kit	5065-0441	—
7	1.44 Floppy disk drive	D2035-60293	—
8	IDE hard disk drive <sup>2</sup>		
	20 GB Seagate U5 (5400 rpm)	—	P2021-69004
	40 GB Ericsson (7200 rpm)	—	P4735-69001
	40 GB Maxtor Rigel (7200 rpm)	—	P3624-69001
9	48X Max IDE CD-ROM drive 16X/40X IDE DVD-ROM drive	D4389-63031 —	D4389-60091 D4388-69006
10	Standard mouse	C3751-60201	—
	USB optical mouse	C4766-60101	—
	Enhanced mouse with scroll/zoom wheel	C4737-60001	—
	Standard keyboard	C4739-601xx <sup>3</sup>	—
	Internet USB keyboard	C4768-60xxx <sup>2</sup>	—
11	System board	See PC's system board parts list	
12 <sup>4</sup>	HP 56K V90 PCI Internal Modem - US	D7519-63001	—
or	HP 56K V90 PCI Internal Modem - Europe	5184-3849	—
13	Internal speaker	5184-3847	—
14	Lock assembly	5064-2645	—
15	Airflow guide (used with passive heatsink)	5184-4473	—
not shown	Power cord	8120-xxxx <sup>5</sup>	—
	One Serial Port Extension Kit	5184-4909	—
	External amplified speaker - 110V	P1534-63001	—
	External amplified speaker - 220V	P1534-63002	—
	Master Key Lock	5064-9154	—

1. PFC=Power Factor Correction. PFC power supplies should be used in the EU as of December 1, 2000 in compliance with EU standards.
2. For optional disk drive information, see the *Accessory Service Handbook*.
3. Where "xx" is the code for your national keyboard (see the *Accessory Service Handbook*).
4. Other localizations are available (see the *Accessory Service Handbook*).
5. Where "xxxx" is the code for your national power cord.



# hp vectra vl410 dt pc

## system board parts list for hpvectra vl410 dt pc

Description	Repl. Part Number	Exchange Part Number
<b>System board:</b> Vectra VL410 system board with audio subsystem	P4390-63001	P4390-69001
<b>Processors (FC-PGA package):</b> Intel Celeron 900/100 128KB L2 cache Intel Celeron 950/100 128KB L2 cache Intel Celeron 1000/100 128KB L2 cache Intel Celeron 1100/100 128KB L2 cache Intel Pentium III 933/133 256KB L2 cache Intel Pentium III 1000/133 256KB L2 cache Active heatsink FCPGA Active heatsink FCPGA2 Passive heatsink FCPGA	P1843-63001 P1844-63001 P1845-63001 P1846-63001 — — 5065-1297 5065-4277 5065-2583	— — — — D9486-69001 P1579-69001 — — —
<b>Main memory modules:</b> 1 × 64-MB non-ECC PC133 SDRAM 1 × 128-MB non-ECC PC133 SDRAM 1 × 256-MB non-ECC PC133 SDRAM	P1536-63010 P1537-63001 P1538-63001	— — —
<b>Video memory modules:</b> 4-MB AIMM (AGP Inline Memory Module) AIMM retention mechanism	5184-3852 5042-4456	— —

## software recovery CD-ROMs

<i>Image Creation &amp; Recovery CD-ROM (Windows NT/2000)</i>	5970-0510-xx <sup>1</sup>
<i>Image Creation &amp; Recovery CD-ROM (Windows 98SE)</i>	5970-0491-xx <sup>1</sup>
<i>Image Library &amp; Diagnostics CD-ROM</i>	5970-4591

1. Where "xx" is the code for your language.

## manuals and documentation for hpvectra vl410 dt pc

<i>Quick User's Guide</i>	5070-5090-xx
<i>Technical Reference Manual</i>	no number <sup>1</sup>

1. Electronic file available on HP's Web site.

