

HP Vectra VE 5/xx PC Series

Models and Accessories

Product Number	Flexible Drive A:	Hard Drive C:	Disk Controller	Video Controller	Std. RAM	Integ. LAN	Multi-media
Vectra VE 5/xx PC Series HP Vectra VE 5/75 PC (CPL: 04/95 ▶)							
D3390A	1.44 MB (D2035A)	None	Integrated IDE Controller	Integrated Ultra VGA 2, (1 MB)	4 MB	None	None
D3406A		270 MB (D2388A)			8 MB		
D3391A		540 MB (D2389A)					
D3392A							
HP Vectra VE 5/90 PC (CPL: 04/95 ▶)							
D3413A	1.44 MB (D2035A)	None	Integrated IDE Controller	Integrated Ultra VGA 2, (1 MB)	4 MB	None	None
D3414A		270 MB (D2388A)			8 MB		
D3415A		540 MB (D2389A)					

Supported Accessories

4 MB Main Memory Upgrade Kit (32-bit)	D2690A
4 MB Main Memory Upgrade Kit (36-bit)	D2974A
8 MB Main Memory Upgrade Kit (32-bit)	D2691A
8 MB Main Memory Upgrade Kit (36-bit)	D2975A
16 MB Main Memory Upgrade Kit (36-bit)	D2297A
32 MB Main Memory Upgrade Kit (36-bit)	D2298A
256-KB Cache Memory Upgrade Kit	D3403A
<i>User's Guide</i> manual	D3402A

Medium-Profile
Desktop Vectras



HP Vectra VE 5/xx PC Series 22-1

HP Vectra VE 5/xx PC Series

22

Multimedia Products

Audio/CD MM Upgrade	D2941B
HP Integrated Office	D2887A

Input Devices

Mouse (HP/Logitech)	C3751A
Keyboard	C3756A

Video Displays

All current HP Displays (see the *HP Vectra Accessory Service Handbook*)

Mass Storage

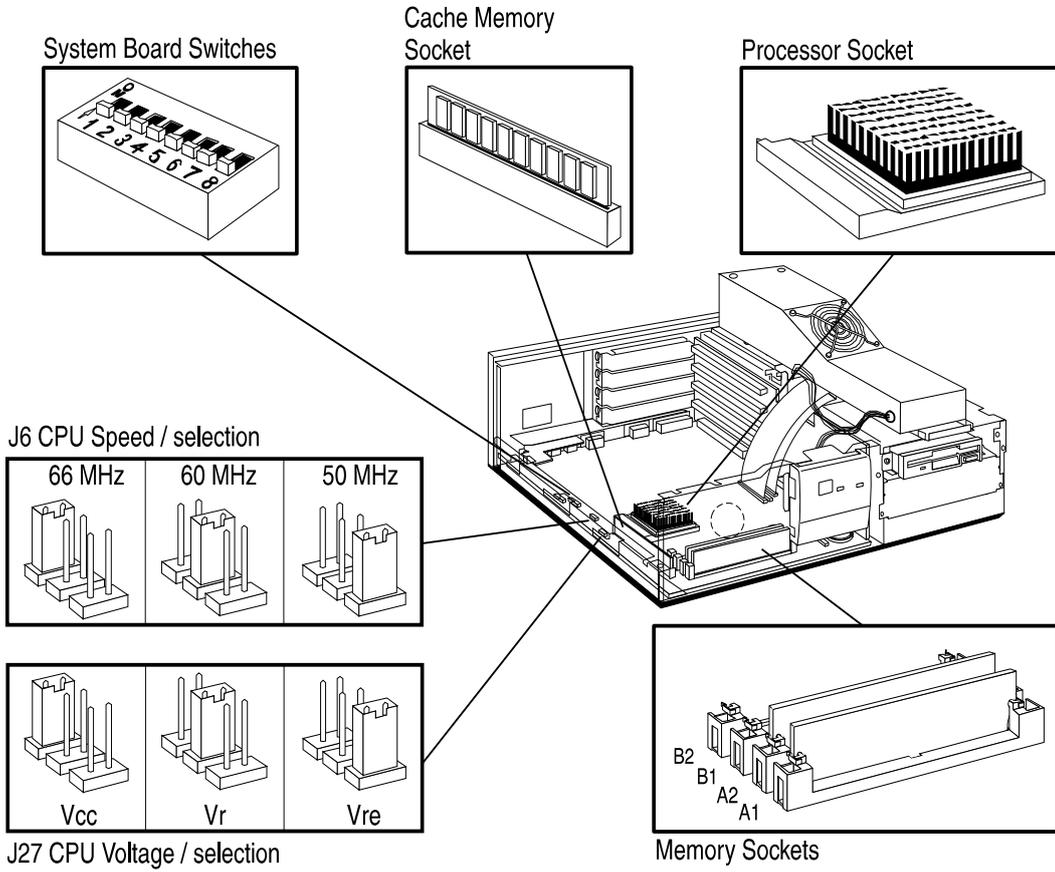
Flexible Disk 1.44 MB 3-1/2 inch	D2035A
Flexible Disk 1.2 MB 5-1/4 inch	D2881A
IDE 270 MB Hard Disk	D2388A
IDE 540 MB Hard Disk	D2389A
IDE 840 MB Hard Disk	D2925A
SCSI CD-ROM Drive	D2886B
IDE CD-ROM Drive	D2889A

Datacomm and LAN Boards

Ethertwist Adapter/16	27247B
-----------------------	--------



System Board, BIOS, and Memory



CPU Speed/Voltage Selection Jumpers

Vectra Model	VE 5/75	VE 5/90
CPU Voltage Selection Jumper (J27)	Vcc	Vr
CPU Speed Selection Jumper (J6)	50 MHz	60 MHz



HP Vectra VE 5/xx PC Series

System Board Switches

22

Switch #		Function	Default
1	OFF	Flash ROM Updates - enabled	OFF
	ON	Flash ROM Updates - disabled	
2	OFF	Not used	OFF
3	OFF	EEPROM stored configuration information - valid	OFF
	ON	EEPROM stored configuration information - erased	
4	OFF	Passwords - enabled	OFF
	ON	Passwords - disabled (erased)	
5	OFF	Memory parity - disabled	OFF
	ON	Memory parity - enabled	
6	OFF	Not used	OFF
7	OFF	Not used	OFF
8	OFF	Not used	OFF

Setup and BIOS History

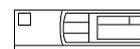
The latest BIOS, the flasher utility program, and the BIOS history can each be obtained from the HP Electronic Services. BIOS revisions are of the form GL.xx.xx.

Cache Memory

The PC has a cache memory socket for installing a 256 KB level-two cache memory upgrade kit.

Video Memory

The PC is supplied with 1 MB of video memory for 1024 × 768 in 256 colors. No additional video memory can be added.



Main Memory

The HP Vectra VE 5/xx PC has two banks on the system board for installing main memory; banks A and B. Each bank consists of two sockets. The PC is supplied with 4 MB or 8 MB of main memory (one or two 4 MB memory modules installed in bank A).

It is recommended to install memory modules in pairs, so that each bank with memory installed contains two memory modules of the same size. This enables the bank to be accessed as 64-bit memory, and offers better performance than a bank containing only one memory module (accessed as 32-bit memory). Main memory can be installed up to a maximum of 192 MB.

The HP Vectra VE 5/xx PC supports memory interleaving when four memory modules of the same size are installed. Configurations using interleaving will provide the best memory performance.

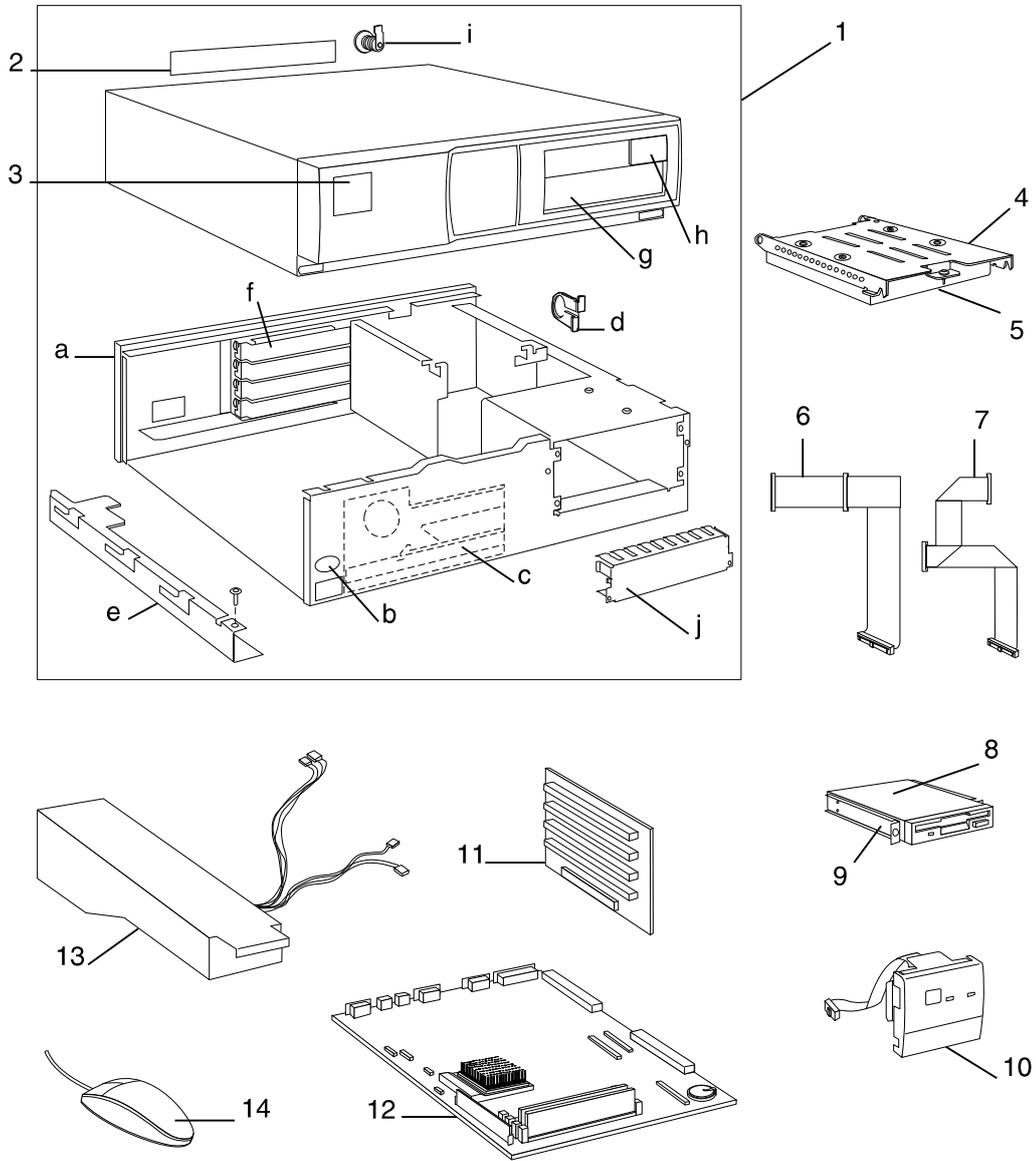
Recommended memory configurations

For a TOTAL memory of:	Install memory modules in these banks:				Inter-leaving
	Bank A		Bank B		
	A1	A2	B1	B2	
4 MB	4 MB	-	-	-	No
8 MB	4 MB	4 MB	-	-	No
16 MB	4 MB	4 MB	4 MB	4 MB	Yes
16 MB	8 MB	8 MB	-	-	No
24 MB	4 MB	4 MB	8 MB	8 MB	No
32 MB	8 MB	8 MB	8 MB	8 MB	Yes
48 MB	16 MB	16 MB	8 MB	8 MB	No
64 MB	16 MB	16 MB	16 MB	16 MB	Yes
80 MB	32 MB	32 MB	8 MB	8 MB	No
96 MB	32 MB	32 MB	16 MB	16 MB	No
128 MB	32 MB	32 MB	32 MB	32 MB	Yes



Part Numbers

22



HP Vectra VE 5/xx PC Series

Parts List for HP Vectra VE 5/xx PC Series

22

Item	Description	Repl. Part Number	Exchange Part Number list
1	Box Assembly:	5063-4597	—
	a Rear Bezel	-	
	b Bumper Foot	02225-00010	
	c System Board Side Guide	-	
	d Security Bracket	-	
	e Side Panel	-	
	f I/O Panel Blank	-	
	g Filler Panel 5.25 inch	5041-2578	
	h Filler panel 1.75 inch	5041-2579	
	i Cover Lock Assembly	5062-5590	
	j I/R cover panel	5042-0505	
2	Rear Bezel Label	5182-1847	—
3	Nameplate:		
	VE 5/75	5042-1114	—
	VE 5/90	5042-1181	—
4	3.5 inch, h-h, Tray (5 pack) for non-supported hard disk drives	Order product number D2037A	
5	Hard Disk Drive (standard) ¹		
	270 MB	D2388-63001	D2388-69001
	540 MB	D2391-63001	D2391-69001
6	Hard Disk Cable (IDE drive)	5182-1862	—
7	Flexible Disk Drive Cable	5182-3538	—
8	Flexible Disk Drive	D2035-63052	—
9	Mounting Rails for 3.5 inch, non-HP Disk Drives	5063-0309	—
10	Status (Control) Panel	5063-0889	—
11	Backplane Assembly	5063-0887	—
12	System Board	See PC's system board parts list	
13	Power Supply Assembly	5063-4553	—
14	Mouse	C3751-60101	—

1. For optional disk drive information, see the *Accessory Service Handbook*.



HP Vectra VE 5/xx PC Series

System Board Parts List for HP Vectra VE 5/xx PC Series

22

Description	Repl. Part Number	Exchange Part Number
System Board (includes integrated IDE disk and Ultra VGA 2 controllers) ¹		
Vectra VE 5/xx (75 MHz and 90 MHz)	D3390-63006 ¹	D3390-69006 ¹
Processors:		
Intel Pentium 75 MHz (Vcc)	5063-7022	—
Intel Pentium 90MHz (Vr)	5063-7023	—
Heatsink	1205-0832	
Main Memory Modules:		
4 MB Main Memory DRAM Kit	D2974-63001	—
4 MB Main Memory DRAM Kit (no parity)	5063-4548	—
8 MB Main Memory DRAM Kit	D2975-63001	—
8 MB Main Memory DRAM Kit (no parity)	5063-4549	—
16 MB Main Memory DRAM Kit	D2297-63001	D2297-69001
32 MB Main Memory DRAM Kit	D2298-63001	D2298-69001
Cache Memory Modules:		
Cache Socket Protector (90 MHz Terminator Module)	D3390-63002	—
Cache Socket Protector (75 MHz)	D3390-63003	—
256 KB Cache Memory Module kit	5063-7055	—

1. These assemblies are supplied without main memory modules or processor.

Support Manuals for HP Vectra VE 5/xx PC Series

Familiarization Guide	D339X+49A+90001
Technical Reference Manual: Hardware and BIOS	None ¹

1. Electronic File only.

Notes: _____

