






HP Vectra Personal Computer Products



Price List

Prices effective 2/91

Dealer Channel Products U.S. List Price

HP Vectra PC products		
HP Vectra PCs	1	
HP Vectra 486 PC products	2	
HP Vectra RS/25C PC products	4	
HP Vectra 386/25 PC products	6	
HP Vectra QS/16S and QS/20 PC products	8	
HP Vectra 286/12 PC products	10	
Additional accessories for HP Vectra PCs		
Interface and data communications	12	
Cables	12	
Training	12	
Data storage media	12	
Convenience	12	
Application and environment software	13	
HP Dealer Premier Support Program	14	
HP Display Terminal products	15	
HP Local Area Network products	16	

HP Computer Museum
www.hpmuseum.net

For research and education purposes only.

HP Vectra PCs

HP Vectra PC	Model number ¹	Product number	Price	Processor	Standard memory	Package type ²	Flexible disk size (Mbytes)	Hard disk (Mbytes)	Video adapter
286/12	1	D2467A	\$ 1,799.00	80286 (12 MHz)	1 MB	D	3.5-in (1.44-MB)	None	Super VGA ³
	1	D2460A	1,799.00		1 MB	D	5.25-in (1.2-MB)	None	Super VGA ³
	20	D2462A	2,399.00		1 MB	D	3.5-in (1.44-MB)	20	Super VGA ³
	20	D2461A	2,399.00		1 MB	D	5.25-in (1.2-MB)	20	Super VGA ³
	40	D2464A	2,499.00		1 MB	D	3.5-in (1.44-MB)	42	Super VGA ³
	40	D2463A	2,499.00		1 MB	D	5.25-in (1.2-MB)	42	Super VGA ³
QS/16S	1	D1461C☆	\$ 2,099.00 ✓	80386SX (16 MHz)	2 MB	D	3.5-in (1.44-MB)	None	None
	1	D1481C☆	2,099.00 ✓		2 MB	D	5.25-in (1.2-MB)	None	None
	40	D1462C☆	3,199.00 ✓		2 MB	D	5.25-in (1.2-MB)	42	VGA
	40	D1464C☆	3,199.00 ✓		2 MB	D	3.5-in (1.44-MB)	42	VGA
	80	D1488C☆	3,599.00 ✓		2 MB	D	5.25-in (1.2-MB)	84	VGA
	80	D1489C☆	3,599.00 ✓		2 MB	D	3.5-in (1.44-MB)	84	VGA
QS/20	1	D1421B	\$ 2,699.00	80386 (20 MHz)	1 MB	D	3.5-in (1.44-MB)	None	None
	1	D1491B	2,699.00		1 MB	D	5.25-in (1.2-MB)	None	None
	46	D1422B	3,799.00		1 MB	D	5.25-in (1.2-MB)	42	VGA
	47	D1424B	3,799.00		1 MB	D	3.5-in (1.44-MB)	42	VGA
	86	D1498B	4,199.00		1 MB	D	5.25-in (1.2-MB)	84	VGA
	87	D1499B	4,199.00		1 MB	D	3.5-in (1.44-MB)	84	VGA
386/25	1	D2360A	\$ 4,199.00	80386 (25 MHz)	2 MB	D	5.25-in (1.2-MB)	None	None
	1	D2371A	4,199.00		2 MB	D	3.5-in (1.44-MB)	None	None
	80	D2363A	5,699.00		2 MB	D	5.25-in (1.2-MB)	84	Super VGA
	80	D2361A	5,699.00		2 MB	D	3.5-in (1.44-MB)	84	Super VGA
	170	D2364A	6,499.00		2 MB	D	5.25-in (1.2-MB)	168	Super VGA
	170	D2362A	6,499.00		2 MB	D	3.5-in (1.44-MB)	168	Super VGA
RS/25C	10e	D2021A	\$ 5,799.00	80386 (25 MHz)	1 MB	F	5.25-in (1.2-MB)	None	None
	100e	D2022A	7,599.00		1 MB	F	5.25-in (1.2-MB)	103	None
	154e	D2024A	8,199.00		4 MB	F	5.25-in (1.2-MB)	155	None
	304e	D2025A	10,199.00		4 MB	F	5.25-in (1.2-MB)	310	None
486	1	D2220A	\$ 8,999.00	80486 (25 MHz)	2 MB	F	5.25-in (1.2-MB)	None	None
	330	D2222A	13,099.00		2 MB	F	5.25-in (1.2-MB)	330	None
	670	D2223A	14,899.00		2 MB	F	5.25-in (1.2-MB)	670	None

¹ NOTE: A language option must be specified when ordering an HP Vectra PC (for example, option ABA for U.S. English).

² D = Desktop F = Floor mount

³ Super VGA integrated on motherboard

✓ New price

☆ New product

HP Vectra 486 PC products

- 25 MHz 80486 processor.
- 2 Mbytes RAM, 8 I/O slots, 6 mass storage shelves.
- Model 1: Flexible disk controller, two serial, one parallel, and one mini-DIN mouse port. Models 330 and 670: All of above plus ESDI hard disk controller and hard disk drive.
- One floppy disk drive 5.25-inch/1.2-Mbyte.
- System documentation, keyboard cable, and power cable included in the PC kit.

Model number	Product number	Flexible disk drive	Hard disk drive	Standard RAM	Video adapter	Price
1	D2220A	5.25-in (1.2 MB)	None	2 MB	None	\$ 8,999
330	D2222A	5.25-in (1.2 MB)	330 MB	2 MB	None	\$13,099
670	D2223A	5.25-in (1.2 MB)	670 MB	2 MB	None	\$14,899

NOTE: A language option (for example, option ABA for U.S. English) must be specified when ordering an HP Vectra PC.

Product number	Description	Suggested list price
System software		
D1151A/ABA	MS-DOS® 4.01 (5.25-in disks); includes manuals, DOS Shell, Personal Applications Manager (PAM), and HP Vectra Disk Cache (U.S. English version)	\$ 150
D1302D/ABA	Microsoft® OS/2 Version 1.2. Includes both 3.5-in and 5.25-in disks. 2.5 MB of memory required; 4 MB recommended	\$ 369
Available to Approved HP PC Multiuser Dealers Only		
D2046C/ABA	SCD™ UNIX® System V/386 (U.S. English version). Release 3.2.2 multiuser run time operating system. Includes software on 5.25-in disks and SCD manuals, HP Vectra Installation Guide in English.	\$ 895
D2052A/ABA	SCD VP/ix™ Integrated DDS Environment (U.S. English version). Requires SCD UNIX System V/386. Includes software on 5.25-in disks and documentation.	\$ 895

Monitors and video adapters

VGA	D1182A	VGA color display	\$ 749
	D1181A/ABA	VGA monochrome display (amber)	\$ 399
	D1181G/ABA	VGA monochrome display (green)	\$ 399
	D1181W/ABA	VGA monochrome display (soft white)	\$ 349
	D2382A	HP Super VGA controller (VGA, 800 x 600, 1024 x 768); 256-KB RAM	\$ 399
	D2383A	256 KB DRAM Upgrade Kit for HP Super VGA controller (D2382A)	\$ 159
	82959S	Tilt/swivel base for VGA color display (D1182A)	\$ 95
	D1184A	VGA video extension cable (2 m)	\$ 60
High resolution color	D1187A/ABA	20-in High Resolution Monitor (1280 x 1024) (U.S. English version)	\$ 3,695
	D1188A/ABA	16-in High Resolution Monitor (1280 x 1024) (U.S. English version)	\$ 2,795
	D1189A	Tilt/swivel base for 20-in color display	\$ 200
	D1190A	Tilt/swivel base for 16-in color display	\$ 150
	D1191A	Video cable, 15-pin to 5 line BNC	\$ 99
	A1083A	HP Intelligent Graphics Controller 20 (1280 x 1024) (Requires high resolution monitor; supports VGA pass-through)	\$ 2,499
	A1086A	HP Intelligent Graphics Controller 10 (1024 x 768) (Requires high resolution monitor; supports VGA pass-through)	\$ 995
	A1084A	0.5 MB VRAM Upgrade Kit for HP Intelligent Graphics Controller 10 or 20	\$ 400
A1085A	0.5 MB DRAM Upgrade Kit for HP Intelligent Graphics Controller 10 or 20	\$ 225	
A1087A	Extension module for HP Intelligent Graphics Controller 10	\$ 200	

Memory enhancements

D2150A	1-MB memory expansion kit (1 x 1 MB SIMM, 80 ns)	\$ 249 ✓
D2151A	4-MB memory expansion kit (1 x 4 MB SIMM, 80 ns)	\$ 799 ✓
D2152A	8-MB memory expansion kit (1 x 8 MB SIMM, 80 ns)	\$ 1,599 ✓

Note: Above kits must be added in pairs; e.g. smallest upgrade increment is 2 MB. See HP Vectra 486 Data Sheet (5954-3017) for details.

Product number	Description	Suggested list price
Data storage		
45812A	1.2-MB, 5.25-in flexible disk drive	\$ 275
D1667A	3.5-in flexible disk drive (provides 710 KB, 720 KB, and 1.44 MB data interchange)	\$ 275
45806B	Flexible disk mounting brackets for third-party drives, package of 10 pairs	\$ 119
D1660A	330-MB internal ESDI hard disk (full height, < 16 ms avg. seek time)	\$ 3,499
D1661A	670-MB internal ESDI hard disk (full height, < 16 ms avg. seek time)	\$ 5,299
D1664A	ESDI high-performance hard disk controller. (Used only with D1660A and D1661A)	\$ 599
D1665A	42-MB internal Embedded-AT controller hard disk drive (half height, 19 ms avg. seek time)	\$ 699
D1666A	84-MB internal Embedded-AT controller hard disk drive (half height, 19 ms avg. seek time)	\$ 1,099
D1679A	120-MB internal Embedded-AT controller hard disk drive (half height, < 16 ms avg. seek time)	\$ 1,499
D1680A	168-MB internal Embedded-AT controller hard disk drive (half height, < 16 ms avg. seek time)	\$ 1,899
D1671A	40-MB internal tape backup mechanism (DC-2000 tape cartridge and software)	\$ 795
D2045A	120-MB internal tape backup mechanism (DC-2000 tape cartridge and software)	\$ 999
Interface and data communications		
24540B	Serial/Parallel interface (9-pin male RS232/25-pin female Centronics parallel)	\$ 229
24541B	Dual Serial interface RS232/422 (9-pin male RS232/25-pin female RS232/422)	\$ 249
Available to Approved HP PC Multiuser Dealers Only		
D2040A	Terminal Multiplexor Kit provides connectivity for up to 8 serial devices. For use with SCO UNIX. First serial cable provided in Kit.	\$ 1,595
D2041A	Terminal Concentrator Kit; 8-port add-on to Terminal Multiplexor Kit	\$ 895
D2042G	Terminal/Printer cable for use with terminal multiplexor	\$ 50
D2043M	External Modem cable for use with terminal multiplexor	\$ 40
D2044V	HP Vectra cable for use with terminal multiplexor	\$ 40
Documentation		
5959-5097	HP Vectra 486 Technical Reference Manual (BIOS)	\$ 29
5959-5094	HP Vectra 486 Technical Reference Manual (hardware)	\$ 44
5959-5069	HP Vectra 486 Configuration and Service Manual	\$ 85
D2226-60001	HP Vectra 486 Service and Configuration Self-Paced Training Kit; US NTSC Format videotape	\$ 350
D2226-60002	HP Vectra 486 Configuration Self-Paced Training Kit; US NTSC Format videotape	\$ 169
Other enhancements		
C1413A	HP Mouse with mini-DIN interface	\$ 139

HP Vectra RS/25C PC products

- 25 MHz 80386 processor.
- 1 Mbyte or 4 Mbytes (Models 154e and 304e) RAM, 8 I/O slots, 6 mass storage shelves.
- Flexible disk and ESDI hard disk controller, one serial, one parallel, and one HP-HIL port.
- One floppy disk drive 5.25-inch/1.2-Mbyte.
- Enhanced HP Vectra PC keyboard and system documentation included in the PC kit.
- All models except for Model 10e include an ESDI hard disk drive.

Model number	Product number	Flexible disk drive	Hard disk drive	Standard RAM	Video adapter	Price
10e	D2021A	5.25-in (1.2 MB)	None	1 MB	None	\$ 5,799
100e	D2022A	5.25-in (1.2 MB)	103 MB	1 MB	None	\$ 7,599
154e	D2024A	5.25-in (1.2 MB)	155 MB	4 MB	None	\$ 8,199
304e	D2025A	5.25-in (1.2 MB)	310 MB	4 MB	None	\$ 10,199

NOTE: A language option (for example, option ABA for U.S. English) must be specified when ordering an HP Vectra PC.

Product number	Description	Suggested list price
System software		
D1151A/ABA	MS-DOS 4.01 (5.25-in disks); includes manuals, DOS Shell, Personal Applications Manager (PAM), and HP Vectra Disk Cache (U.S. English version)	\$ 150
45951D	MS-DOS 3.3 (5.25-in disks); includes manuals, Personal Applications Manager (PAM), and File Manager	\$ 135
D1302D/ABA	Microsoft OS/2 Version 1.2. Includes both 3.5-in and 5.25-in disks. 2.5 MB of memory required; 4 MB recommended	\$ 369
Available to Approved HP PC Multiuser Dealers Only		
D2046C/ABA	SCO UNIX System V/386 (U.S. English version). Release 3.2.2 multiuser run time operating system. Includes software on 5.25-in disks and SCO manuals, HP Vectra Installation Guide in English.	\$ 895
D2052A/ABA	SCO VP/ix Integrated DOS Environment (U.S. English version). Requires SCO UNIX System V/386. Includes software on 5.25-in disks and documentation.	\$ 895

Monitors and video adapters

VGA	D1182A	VGA color display	\$ 749	
	D1181A/ABA	VGA monochrome display (amber)	\$ 399	
	D1181G/ABA	VGA monochrome display (green)	\$ 399	
	D1181W/ABA	VGA monochrome display (soft white)	\$ 349	
	D2382A	HP Super VGA Board; 256-KB RAM	\$ 399	
	D2383A	256-KB RAM Upgrade Kit for HP Super VGA (D2382A)	\$ 159	
	82959S	Tilt/swivel base for VGA color display (D1182A)	\$ 95	
	D1183A	HP Touchscreen Plus Bezel for VGA color display (D1182A)	\$ 530	
	D1184A	VGA video extension cable (2 m)	\$ 60	
	High resolution color	D1187A/ABA	20-in High Resolution Monitor (1280 x 1024) (U.S. English version)	\$ 3,695
		D1188A/ABA	16-in High Resolution Monitor (1280 x 1024) (U.S. English version)	\$ 2,795
D1189A		Tilt/swivel base for 20-in color display	\$ 200	
D1190A		Tilt/swivel base for 16-in color display	\$ 150	
D1191A		Video cable, 15-pin to 5 line BNC	\$ 99	
A1083A		HP Intelligent Graphics Controller 20 (1280 x 1024) (Requires high resolution monitor; supports VGA pass-through)	\$ 2,499	
A1086A		HP Intelligent Graphics Controller 10 (1024 x 768) (Requires high resolution monitor; supports VGA pass-through)	\$ 995	
A1084A		0.5 MB VRAM Upgrade Kit for HP Intelligent Graphics Controller 10 or 20	\$ 400	
A1085A	0.5 MB DRAM Upgrade Kit for HP Intelligent Graphics Controller 10 or 20	\$ 225		
A1087A	Extension module for HP Intelligent Graphics Controller 10	\$ 200		

Product number	Description	Suggested list price
Memory enhancements		
D1640A	1-MB memory expansion kit (4 x 256 KB SIMMS, 80 ns)	\$ 249 ✓
D1642A	4-MB memory expansion kit (4 x 1 MB SIMMS, 80 ns)	\$ 799 ✓
Coprocessors		
D2070A	80387 numeric coprocessor (25 MHz)	\$ 1,399
Data storage		
45812A	1.2-MB, 5.25-in flexible disk drive	\$ 275
D1667A	3.5-in flexible disk drive (provides 710 KB, 720 KB, and 1.44 MB data interchange)	\$ 275
45806B	Flexible disk mounting brackets for third-party drives, package of 10 pairs	\$ 119
D1674A	103-MB internal ESDI hard disk (full height, 17 ms avg. seek time)	\$ 2,595
D1675A	155-MB internal ESDI hard disk (full height, 17 ms avg. seek time)	\$ 3,195
D1676A	310-MB internal ESDI hard disk (full height, 17 ms avg. seek time)	\$ 3,999
D1678A	Flexible disk expander (required to support third and fourth flexible disk devices). (Tape backup is considered a flexible device.)	\$ 249
D1671A	40-MB internal tape backup mechanism (DC-2000 tape cartridge and software)	\$ 795
D2045A	120-MB internal tape backup mechanism (DC-2000 tape cartridge and software)	\$ 999
Interface and data communications		
24540B	Serial/Parallel interface (9-pin male RS232/25-pin female Centronics parallel)	\$ 229
24541B	Dual Serial interface RS232/422 (9-pin male RS232/25-pin female RS232/422)	\$ 249
Available to Approved HP PC Multiuser Dealers Only		
D2040A	Terminal Multiplexor Kit provides connectivity for up to 8 serial devices. For use with SCO UNIX. First serial cable provided in Kit.	\$ 1,595
D2041A	Terminal Concentrator Kit; 8-port add-on to Terminal Multiplexor Kit	\$ 895
D2042G	Terminal/Printer cable for use with terminal multiplexor	\$ 50
D2043M	External Modem cable for use with terminal multiplexor	\$ 40
D2044V	HP Vectra cable for use with terminal multiplexor	\$ 40
Documentation		
45945-60031	HP Vectra RS Technical Reference Manual (BIOS)	\$ 40
5958-7598	HP Vectra RS Technical Reference Manual (hardware)	\$ 50
5958-7599	HP Vectra RS Service Manual	\$ 66
Other enhancements		
46060A	HP-HIL mouse (plugs into standard HIL port)	\$ 179

HP Vectra 386/25 PC products

- 25 MHz 80386 processor.
- 2-Mbyte RAM, 7 I/O slots, 3 mass storage shelves.
- One serial, one parallel, and one mouse port.
- One floppy disk drive, either 5.25-inch/1.2-Mbyte or 3.5-inch/1.44-Mbyte.
- Super VGA video adapter on Models 80 and 170.
- Hard disk drives: 84-Mbyte (Model 80) and 168-Mbyte (Model 170).
- Embedded AT controllers on 84-Mbyte and 168-Mbyte drives.

Model number	Product number	Flexible disk drive	Hard disk drive	Video adapter	Price
1	D2371A	3.5-in (1.44 MB)	None	None	\$ 4,199
	D2360A	5.25-in (1.2 MB)	None	None	\$ 4,199
80	D2361A	3.5-in (1.44 MB)	84 MB	Super VGA	\$ 5,699
	D2363A	5.25-in (1.2 MB)	84 MB	Super VGA	\$ 5,699
170	D2362A	3.5-in (1.44 MB)	168 MB	Super VGA	\$ 6,499
	D2364A	5.25-in (1.2 MB)	168 MB	Super VGA	\$ 6,499

Product number	Description	Suggested list price
System software		
D1151A/ABA	MS-DOS 4.01 (5.25-in disks); includes manuals, DOS Shell, Personal Applications Manager (PAM), and HP Vectra Disk Cache (U.S. English version)	\$ 150
D1151B/ABA	MS-DOS 4.01 (3.5-in disks); includes manuals, DOS Shell, Personal Applications Manager (PAM), and HP Vectra Disk Cache (U.S. English version)	\$ 150
45951D	MS-DDS 3.3 (5.25-in disks), includes manuals, Personal Applications Manager (PAM), and File Manager	\$ 135
45951E	MS-DOS 3.3 (3.5-in disks), includes manuals, Personal Applications Manager (PAM), and File Manager	\$ 135
D1302D/ABA	Microsoft OS/2 Version 1.2. Includes both 3.5-in and 5.25-in disks. 2.5 MB of memory required; 4 MB recommended	\$ 369
Available to Approved HP PC Multiuser Dealers Only		
D2046C/ABA	SCO UNIX System V/386 (U.S. English version). Release 3.2.2 multiuser run time operating system. Includes software on 5.25-in disks and SCO manuals, HP Vectra Installation Guide in English.	\$ 895
D2046D/ABA	SCO UNIX System V/386 (U.S. English version). Release 3.2.2 multiuser run time operating system. Includes software on 3.5-in disks and SCO manuals, HP Vectra Installation Guide in English.	\$ 895
D2052A/ABA	SCO VPIx Integrated DDS Environment (U.S. English version). Requires SCO UNIX System V/386. Includes software on 5.25-in disks and documentation.	\$ 895

Monitors and video adapters

VGA	D1182A	VGA color display	\$ 749
	D1181A/ABA	VGA monochrome display (amber)	\$ 399
	D1181G/ABA	VGA monochrome display (green)	\$ 399
	D1181W/ABA	VGA monochrome display (soft white)	\$ 349
	D2382A	HP Super VGA controller (VGA, 800 x 600, 1024 x 768); 256-KB RAM	\$ 399
	D2383A	256 KB DRAM Upgrade Kit for HP Super VGA controller (D2382A)	\$ 159
	82959S	Tilt/swivel base for VGA color display (D1182A)	\$ 95
	D1184A	VGA video extension cable (2 m)	\$ 60
	High resolution color	D1187A/ABA	20-in High Resolution Monitor (1280 x 1024) (U.S. English version)
D1188A/ABA		16-in High Resolution Monitor (1280 x 1024) (U.S. English version)	\$ 2,795
D1189A		Tilt/swivel base for 20-in color display	\$ 200
D1190A		Tilt/swivel base for 16-in color display	\$ 150
D1191A		Video cable, 15-pin to 5 line BNC	\$ 99
A1083A		HP Intelligent Graphics Controller 20 (1280 x 1024) (Requires high-resolution monitor; supports VGA pass-through)	\$ 2,499
A1086A		HP Intelligent Graphics Controller 10 (1024 x 768) (Requires high resolution monitor; supports VGA pass-through)	\$ 995
A1084A		0.5 MB VRAM Upgrade Kit for HP Intelligent Graphics Controller 10 or 20	\$ 400
A1085A		0.5 MB DRAM Upgrade Kit for HP Intelligent Graphics Controller 10 or 20	\$ 225
A1087A	Extension module for HP Intelligent Graphics Controller 10	\$ 200	

Product number	Description	Suggested list price
Memory enhancements		
D2381A	2-MB memory upgrade (1 x 2 MB SIMM, 80 ns)	\$ 399 ✓
D2152A	8-MB memory upgrade (1 x 8 MB SIMM, 80 ns)	\$ 1,599 ✓
Coprocessor		
D2070A	80387 numeric coprocessor (25 MHz)	\$ 1,399
Data storage		
45812A	1.2-MB, 5.25-in flexible disk drive	\$ 275
D1667A	3.5-in flexible disk drive (provides 710-KB, 720-KB, and 1.44-MB data interchange)	\$ 275
45806B	Flexible disk mounting brackets for third-party drives, package of 10 pairs	\$ 119
D1665A	42-MB internal Embedded-AT controller hard disk drive (half height, 19 ms avg. seek time)	\$ 699
D1666A	84-MB internal Embedded-AT controller hard disk drive (half height, 19 ms avg. seek time)	\$ 1,099
D1679A	120-MB internal Embedded-AT controller hard disk drive (half height, < 16 ms avg. seek time)	\$ 1,499
D1680A	168-MB internal Embedded-AT controller hard disk drive (half height, < 16 ms avg. seek time)	\$ 1,899
D1688A	336-MB internal Embedded-AT controller hard disk drive pair (two 168-MB drives on a tray that occupies a single half-height shelf)	\$ 3,799
D1671A	40-MB internal tape backup mechanism (DC-2000 tape cartridge and software)	\$ 795
D2045A	120-MB internal tape backup mechanism (DC-2000 tape cartridge and software)	\$ 999
Interface and data communications		
24540B	Serial/Parallel interface (9-pin male RS232/25-pin female Centronics parallel)	\$ 229
24541B	Dual Serial interface RS232/422 (9-pin male RS232/25-pin female RS232/422)	\$ 249
Available to Approved HP PC Multiuser Dealers Only		
D2040A	Terminal Multiplexor Kit provides connectivity for up to 8 serial devices. For use with SCO UNIX. First serial cable provided in Kit.	\$ 1,595
D2041A	Terminal Concentrator Kit; 8-port add-on to Terminal Multiplexor Kit	\$ 895
D2042G	Terminal/Printer cable for use with terminal multiplexor	\$ 50
D2043M	External Modem cable for use with terminal multiplexor	\$ 40
D2044V	HP Vectra cable for use with terminal multiplexor	\$ 40
Documentation		
5959-7745	HP Vectra 386/25 PC Technical Reference Manual (BIOS)	\$ 30
D2360-90002	HP Vectra 386/25 PC Technical Reference Manual (hardware)	\$ *
D2360-90001	HP Vectra 386/25 PC Service Manual	\$ 42
Other enhancements		
C1413A	HP mouse with mini-DIN interface	\$ 139
45986A	Security lock	\$ 60

*Prices not determined at time of print. Orderable from DMK.

✓ New price

HP Vectra QS/16S and QS/20 PC products

- 16 MHz 80386SX (QS/16S) or 20 MHz 80386 (QS/20) processor.
- 2 Mbytes RAM in QS/16S; 1 Mbyte RAM in QS/20.
- 7 I/O slots, 3 mass storage shelves.
- One serial, one parallel, and one HP-HIL port.
- One floppy disk drive, either 5.25-inch/1.2-Mbyte or 3.5-inch/1.44-Mbyte.
- Enhanced HP Vectra PC keyboard and system documentation are included.
- Some models include a VGA video adapter and a 42-Mbyte, 84-Mbyte hard disk drive. 42- and 84-Mbyte drives have Embedded-AT controllers.

Model number	Product number	Flexible disk drive	Hard disk drive	Video adapter	Price
QS/16S Model 1	D1461C☆	3.5-in (1.44 MB)	None	None	\$ 2,099 ✓
QS/16S Model 1	D1481C☆	5.25-in (1.2 MB)	None	None	\$ 2,099 ✓
QS/16S Model 40	D1462C☆	5.25-in (1.2 MB)	42 MB	VGA	\$ 3,199 ✓
QS/16S Model 40	D1464C☆	3.5-in (1.44 MB)	42 MB	VGA	\$ 3,199 ✓
QS/16S Model 80	D1488C☆	5.25-in (1.2 MB)	84 MB	VGA	\$ 3,599 ✓
QS/16S Model 80	D1489C☆	3.5-in (1.44 MB)	84 MB	VGA	\$ 3,599 ✓
QS/20 Model 1	D1421B	3.5-in (1.44 MB)	None	None	\$ 2,699
QS/20 Model 1	D1491B	5.25-in (1.2 MB)	None	None	\$ 2,699
QS/20 Model 46	D1422B	5.25-in (1.2 MB)	42 MB	VGA	\$ 3,799
QS/20 Model 47	D1424B	3.5-in (1.44 MB)	42 MB	VGA	\$ 3,799
QS/20 Model 86	D1498B	5.25-in (1.2 MB)	84 MB	VGA	\$ 4,199
QS/20 Model 87	D1499B	3.5-in (1.44 MB)	84 MB	VGA	\$ 4,199


NOTE: A language option (for example, option ABA for U.S. English) must be specified when ordering an HP Vectra PC.

Product number	Description	Suggested list price
System software		
D1151A/ABA	MS-DOS 4.01 (5.25-in disks); includes manuals, DOS Shell, Personal Applications Manager (PAM), and HP Vectra Disk Cache (U.S. English version)	\$ 150
D1151B/ABA	MS-DOS 4.01 (3.5-in disks); includes manuals, DOS Shell, Personal Applications Manager (PAM), and HP Vectra Disk Cache (U.S. English version)	\$ 150
45951D	MS-DOS 3.3 (5.25-in disks), includes manuals, Personal Applications Manager (PAM), and File Manager	\$ 135
45951E	MS-DOS 3.3 (3.5-in disks), includes manuals, Personal Applications Manager (PAM), and File Manager	\$ 135
D1302D/ABA	Microsoft OS/2 Version 1.2. Includes both 3.5-in and 5.25-in disks. 2.5 MB of memory required; 4 MB recommended	\$ 369
Available to Approved HP PC Multiuser Dealers Only		
D2046C/ABA	SCO UNIX System V/386 (U.S. English version). Release 3.2.2 multiuser run time operating system. Includes software on 5.25-in disks and SCO manuals, HP Vectra Installation Guide in English.	\$ 895
D2046D/ABA	SCO UNIX System V/386 (U.S. English version). Release 3.2.2 multiuser run time operating system. Includes software on 3.5-in disks and SCO manuals, HP Vectra Installation Guide in English.	\$ 895
D2052A/ABA	SCD VP/ix Integrated DOS Environment (U.S. English version). Requires SCO UNIX System V/386. Includes software on 5.25-in disks and documentation.	\$ 895

Monitors and video adapters

VGA	D1182A	VGA color display	\$ 749
	D1181A/ABA	VGA monochrome display (amber)	\$ 399
	D1181G/ABA	VGA monochrome display (green)	\$ 399
	D1181W/ABA	VGA monochrome display (soft white)	\$ 349
	D2382A	HP Super VGA controller (VGA, 800 x 600, 1024 x 768); 256-KB RAM	\$ 399
	D2383A	256 KB DRAM Upgrade Kit for HP Super VGA controller (D2382A)	\$ 159
	82959S	Tilt/swivel base for VGA color display (D1182A)	\$ 95
	D1183A	HP Touchscreen Plus Bezel for VGA color display (D1182A)	\$ 530
	D1184A	VGA video extension cable (2 m)	\$ 60
	High resolution color	D1187A/ABA	20-in High Resolution Monitor (1280 x 1024) (U.S. English version)
D1188A/ABA		16-in High Resolution Monitor (1280 x 1024) (U.S. English version)	\$ 2,795
D1189A		Tilt/swivel base for 20-in color display	\$ 200
D1190A		Tilt/swivel base for 16-in color display	\$ 150
D1191A		Video cable, 15-pin to 5 line BNC	\$ 99

✓ New price
☆ New product

	Product number	Description	Suggested list price
Monitors and video adapters (continued)			
High resolution color	A1083A	HP Intelligent Graphics Controller 20 (1280 x 1024) (Requires high resolution monitor; supports VGA pass-through)	\$ 2,499
	A1086A	HP Intelligent Graphics Controller 10 (1024 x 768) (Requires high resolution monitor; supports VGA pass-through)	\$ 995
	A1084A	0.5 MB VRAM Upgrade Kit for HP Intelligent Graphics Controller 10 or 20	\$ 400
	A1085A	0.5 MB DRAM Upgrade Kit for HP Intelligent Graphics Controller 10 or 20	\$ 225
	A1087A	Extension module for HP Intelligent Graphics Controller 10	\$ 200
Memory enhancements			
	D1354A	2-MB memory upgrade (2 x 1 MB SIMM, 100 ns) for the QS/16S	\$ 399 ✓
	D1640A	1-MB memory upgrade (4 x 256 KB SIMM, 80 ns) for the QS/16S and QS/20	\$ 249 ✓
	D1642A	4-MB memory upgrade (4 x 1 MB SIMM, 80 ns) for the QS/16S and QS/20	\$ 799 ✓
	D1440A	Memory expansion card for the QS/20. Allows the addition of up to 16 MB of RAM. Required for 10- and 16-MB configurations, and for 4-MB configuration using 1-MB upgrade kits.	\$ 215
Coprocessors			
	D1453A	80387SX numeric coprocessor (16 MHz, for QS/16S)	\$ 795
	D1670A	80387 numeric coprocessor (20 MHz, for QS/20)	\$ 1,195
			
Data storage			
	45812A	1.2-MB, 5.25-in flexible disk drive	\$ 275
	D1667A	3.5-in flexible disk drive (provides 710-KB, 720-KB, and 1.44-MB data interchange)	\$ 275
	45806B	Flexible disk mounting brackets for third-party drives, package of 10 pairs	\$ 119
	D1665A	42-MB internal Embedded-AT controller hard disk drive (half height, 19 ms avg. seek time)	\$ 699
	D1666A	84-MB internal Embedded-AT controller hard disk drive (half height, 19 ms avg. seek time)	\$ 1,099
	D1679A	120-MB internal Embedded-AT controller hard disk drive (half height, < 16 ms avg. seek time)	\$ 1,499
	D1680A	168-MB internal Embedded-AT controller hard disk drive (half height, < 16 ms avg. seek time)	\$ 1,899
	D1671A	40-MB internal tape backup mechanism (DC-2000 tape cartridge and software)	\$ 795
	D2045A	120-MB internal tape backup mechanism (DC-2000 tape cartridge and software)	\$ 999
Interface and data communications			
	24540B	Serial/Parallel interface (9-pin male RS232/25-pin female Centronics parallel)	\$ 229
	24541B	Dual Serial interface RS232/422 (9-pin male RS232/25-pin female RS232/422)	\$ 249
	Available to Approved HP PC Multiuser Dealers Only		
	D2040A	Terminal Multiplexor Kit provides connectivity for up to 8 serial devices. For use with SCO UNIX. First serial cable provided in Kit.	\$ 1,595
	D2041A	Terminal Concentrator Kit; 8-port add-on to Terminal Multiplexor Kit	\$ 895
	D2042G	Terminal/Printer cable for use with terminal multiplexor	\$ 50
	D2043M	External Modem cable for use with terminal multiplexor	\$ 40
	D2044V	HP Vectra cable for use with terminal multiplexor	\$ 40
Documentation			
	45945-60031	HP Vectra QS Technical Reference Manual (BIOS)	\$ 40
	D1410-90002	HP Vectra QS Technical Reference Manual (hardware)	\$ 45
	D1410-90001	HP Vectra QS Service Manual	\$ 55
Other enhancements			
	46060A	HP-HIL mouse (plugs into standard HIL port)	\$ 179
	45986A	Security lock	\$ 60

HP Vectra 286/12 PC products

- 12 MHz 80286 processor.
- 1-Mbyte RAM, 4 available I/O slots, 3 mass storage shelves.
- Flexible disk and hard disk controllers, one serial, one parallel, and one mouse port.
- One floppy disk drive, either 5.25-inch/1.2-Mbyte or 3.5-inch/1.44-Mbyte.
- Enhanced HP Vectra PC keyboard and system documentation.
- All models include an integrated Super VGA adapter and either a 42-Mbyte or 20-Mbyte hard disk drive.
- 42-Mbyte drives have Embedded-AT controllers.

Model number	Product number	Flexible disk drive	Hard disk drive	Hard disk controller	Video adapter	Price
1	D2467A	3.5-in (1.44 MB)	None	None*	Integrated Super VGA	\$1,799
	D2460A	5.25-in (1.2 MB)	None	None*	Integrated Super VGA	\$1,799
20	D2462A	3.5-in (1.44 MB)	20 Mbyte	ST-506**	Integrated Super VGA	\$2,399
	D2461A	5.25-in (1.2 MB)	20 Mbyte	ST-506**	Integrated Super VGA	\$2,399
40	D2464A	3.5-in (1.44 MB)	42 Mbyte	Embedded AT*	Integrated Super VGA	\$2,499
	D2463A	5.25-in (1.2 MB)	42 Mbyte	Embedded AT*	Integrated Super VGA	\$2,499

*These models come with an AT Multifunction Controller Card which includes flexible disk controller, one serial port, one parallel port, and a connector for hard disk drives with an Embedded AT Controller. The hard disk controller is located on the hard drive. The base models can be configured with HP's 42- and 84-Mbyte hard disk drives.

**These models come with a Multifunction Controller Card which includes flexible disk controller, one serial port, one parallel port, and an ST506 hard disk controller.

Product number	Description	Suggested list price
System software		
45951D	MS-DOS 3.3 (5.25-in disks); includes manuals, Personal Applications Manager (PAM), and File Manager	\$ 135
45951E	MS-DOS 3.3 (3.5-in disks); includes manuals, Personal Applications Manager (PAM), and File Manager	\$ 135
D1151A/ABA	MS-DOS 4.01 (5.25-in disks); includes manuals, DOS Shell, Personal Applications Manager (PAM), and HP Vectra Disk Cache (U.S. English version)	\$ 150
D1151B/ABA	MS-DOS 4.01 (3.5-in disks); includes manuals, DOS Shell, Personal Applications Manager (PAM), and HP Vectra Disk Cache (U.S. English version)	\$ 150
D1302D/ABA	Microsoft OS/2 Version 1.2. Includes both 3.5-in and 5.25-in disks. 2.5 MB of memory required; 4 MB recommended	\$ 369

Monitors and video adapters

VGA	D1182A	VGA color display	\$ 749
	D1181A/ABA	VGA monochrome display (amber)	\$ 399
	D1181G/ABA	VGA monochrome display (green)	\$ 399
	D1181W/ABA	VGA monochrome display (soft white)	\$ 349
	82959S	Tilt/swivel base for VGA color display (D1182A)	\$ 95
	D1184A	VGA video extension cable (2 m)	\$ 60
High resolution color	D1187A/ABA	20-in High Resolution Monitor (1280 x 1024) (U.S. English version)	\$ 3,695
	D1188A/ABA	16-in High Resolution Monitor (1280 x 1024) (U.S. English version)	\$ 2,795
	D1189A	Tilt/swivel base for 20-in color display	\$ 200
	D1190A	Tilt/swivel base for 16-in color display	\$ 150
	D1191A	Video cable, 15-pin to 5 line BNC	\$ 99
	A1083A	HP Intelligent Graphics Controller 20 (1280 x 1024) (Requires high resolution monitor; supports VGA pass-through)	\$ 2,499
	A1086A	HP Intelligent Graphics Controller 10 (1024 x 768) (Requires high resolution monitor; supports VGA pass-through)	\$ 995
	A1084A	0.5 MB VRAM Upgrade Kit for HP Intelligent Graphics Controller 10 or 20	\$ 400
A1085A	0.5 MB DRAM Upgrade Kit for HP Intelligent Graphics Controller 10 or 20	\$ 225	
A1087A	Extension module for HP Intelligent Graphics Controller 10	\$ 200	

Product number	Description	Suggested list price
Memory enhancements		
D2401A	Memory Expansion Board with no memory installed	\$ 329
D1354A	2 MB upgrade kit for D2401A (up to 8 MB per board)	\$ 399 ✓
D1640A	1 MB upgrade kit for D2401A (cannot be upgraded any further)	\$ 249 ✓
Coprocessor		
D2400A	80287 numeric coprocessor (12 MHz)	\$ 799
Data storage		
45812A	1.2-MB, 5.25-in flexible disk drive	\$ 275
D1667A	3.5-in flexible disk drive (provides 710-KB, 720-KB, and 1.44-MB data interchange)	\$ 275
45806B	Flexible disk mounting brackets for third party drives, package of 10 pairs	\$ 119
D1296A	20-MB internal hard disk (half height, 65 ms avg. seek time, includes 20-pin data cable, does not include a hard disk controller)	\$ 599
D1665A	42-MB internal Embedded-AT controller hard disk drive (half height, 19 ms avg. seek time)	\$ 699
D1666A	84-MB internal Embedded-AT controller hard disk drive (half height, 19 ms avg. seek time)	\$ 1,099
D1671A	40-MB internal tape backup mechanism (DC-2000 tape cartridge and software)	\$ 795
D2045A	120-MB internal tape backup mechanism (DC-2000 tape cartridge and software)	\$ 999
Interface and data communications		
24540B	Serial/Parallel interface (9-pin male RS232/25-pin female Centronics parallel)	\$ 229
24541B	Dual Serial interface RS232/422 (9-pin male RS232/25-pin female RS232/422)	\$ 249
Documentation		
5959-7745	HP Vectra 286/12 PC Technical Reference Manual (BIOS)	\$ 30
D2460-90002	HP Vectra 286/12 PC Technical Reference Manual (hardware)	\$ *
D2460-90001	HP Vectra 286/12 PC Service Manual	\$ 42
Other enhancements		
C1413A	HP mouse with mini-DIN interface	\$ 139
45986A	Security lock	\$ 60

* Prices not determined at time of print. Orderable from DMK.
✓ New price

Additional accessories for HP Vectra PCs

Product number	Description	Suggested list price
Interface and data communications		
50920A	HP IRMA 3278/79 emulator card	\$ 1,330
50921A	SNA Link/3270 emulator card	\$ 1,100
82335A	HP-IB Interface Card and Command Library. Provides instrument control capabilities for the HP Vectra PC and IBM PC/XT/AT compatibles. Supports Pascal, C, and BASIC.	\$ 525 ✓
82335A/001	HP-IB Command Library software only. This option deletes the HP-IB interface card from 82335A.	\$ 310 ✓
Cables		
13242G	25-pin male/25-pin male serial printer/plotter cable, 5 m	\$ 69
13242N	25-pin male/25-pin male serial cable for U.S. modem or direct connection to HP 3000 ADCC port, 5 m	\$ 110
24542D	25-pin male/36-pin Centronics parallel printer cable, 2 m	\$ 60
24542G	9-pin female/25-pin male serial printer/plotter cable, 3 m	\$ 60
24542H	9-pin female/25-pin female cable for HP 7550A plotter, 3 m	\$ 60
24542M	9-pin female/25-pin male U.S./European modem cable, 3 m	\$ 60
Training		
51410B	HP Vectra PC Family Fundamentals: A Computer-Based Tutorial	\$ 125
Data storage media		
92190X	1.2-MB, 5.25-in high-capacity flexible disks; box of 10	\$ 19
92190Z	1.2-MB, 5.25-in high-capacity flexible disks; box of 100	\$ 159
92192A	710/720-KB, 3.5-in double-sided micro-flexible disks; box of 10	\$ 19
92192N	710/720-KB, 3.5-in double-sided micro-flexible disks; box of 100	\$ 167
92192X	1.44-MB, 3.5-in high-density, double-sided, micro-flexible disks; box of 10	\$ 42
92192T	40-MB preformatted certified data cartridges for the D1671A .25-in cartridge tape drive; box of 5	\$ 175
92192U	120-MB preformatted certified data cartridges for the D2045A .25-in cartridge tape drive; box of 5	\$ 195
Convenience		
92166A	Keyboard park	\$ 99
92259L	Dust cover for VGA color monitor and keyboard	\$ 35
92259M	Dust cover for VGA monochrome monitor and keyboard	\$ 35

Application and environment software

Product number	Description	Suggested list price
Graphics		
D1711A	The Gallery Collection 3.0 Charting Gallery, Drawing Gallery, and Business Management Portfolio included (384-KB RAM and mouse required)	\$ 499
D1710A	Charting Gallery 3.0	\$ 249
D1709A	Drawing Gallery 3.0 (384-KB RAM and mouse required)	\$ 349
68324F*	Office Activities Portfolio for Drawing Gallery A.01.00	\$ 98
68326F*	Business Management Portfolio for Drawing Gallery A.01.01	\$ 98
68327F*	HP Draw Figures Portfolio for Drawing Gallery A.01.00	\$ 201
68325F*	Chemical Petrochemical Portfolio for Drawing Gallery A.01.00	\$ 154
Terminal emulation/communications		
68333B	AdvanceLink for DOS B.02.00	\$ 335
68333J	AdvanceLink for DOS user license. Does not include disks or manuals. Customer must own at least one copy of 68333B.	\$ 295
D2432B	AdvanceLink for DOS user license upgrade to B.02.00 from any previous version of AdvanceLink for DOS	\$ 110
D2104A	AdvanceLink for Windows A.01.30	\$ 299
D2114A	AdvanceLink for Windows user license. Does not include disks or manuals. Customer must own at least one copy of D2104A.	\$ 263
D2107A	AdvanceLink for Macintosh, A.03.20	\$ 399
D2117A☆	AdvanceLink for Macintosh user license. Does not include disks or manuals. Customer must own at least one copy of D2107A.	\$ 351 ✓
Word processing		
68330F	Executive MemoMaker A.03.00	\$ 310
NewWave		
D1704B/ABA**	NewWave 3.0	\$ 195
D1730B☆	NewWave Technical Reference Set	\$ 295 ✓
D1706B	NewWave single-user license	\$ 169
Office systems		
D2103A	NewWave Mail version A.01.10	\$ 195
D2113A	NewWave Mail user license. Does not include disks or manuals. Customer must own at least one copy of D2103A.	\$ 172
D2101A	AdvanceMail version A.03.00	\$ 420
D2111A	AdvanceMail user license. Does not include disks or manuals. Customer must own at least one copy of D2101A.	\$ 370
Available to Approved HP PC Multiuser Dealers Only		
B1603A/AA8	OpenMail for SCO UNIX System V/386 on 3.5-in HD media	\$ 2,395
B1603A/AA9	OpenMail for SCO UNIX System V/386 on 5.25-in HD media	\$ 2,395
B1610A	OpenMail/386 16-terminal user license	\$ 1,395
B1613A	AdvanceMail 16-user site license	\$ 1,895

*Order option 003 for 3.5-inch media

**Must order media option AA8 = 3.5, AA9 = 5.25-inch disk

✓ New price

☆ New product

HP Dealer Premier Support Program

Annual Service Agreement Prices

	HP SuccessLine Service Priority Support*	HP SuccessLine Service Next Day Support**	HP Customer Return Service***
HP Vectra PCs			
HP Vectra PC support prices include the hard disk and keyboard. The monitor must be priced separately.			
HP Vectra ES PC	\$348	\$192	\$132
HP Vectra 286/12 PC	348	192	132
HP Vectra OS PC	480	264	180
HP Vectra 386/25 PC	384	216	156
HP Vectra RS PC	516	288	204
HP Vectra 486 PC	516	288	204

HP monitors

Product number	Description			
D1181A	VGA monochrome monitor	\$ 72	\$ 36	\$ 24
D1182A	VGA color monitor	72	36	24
D1187A	19-in color monitor	144	84	48
D1188A	16-in color monitor	120	60	36

*Priority support provides your customer with 4-hour response from 8:00 a.m. to 9:00 p.m. every business day, excluding HP holidays.

**Next Day support provides your customer with next-day response from 8:00 a.m. to 5:00 p.m. every business day, excluding HP holidays.

***Customer return service allows the customer to send a unit to the nearest HP Service Center for maintenance.

For details on how to sell HP service agreements, contact your local HP sales office.

HP Display Terminal products

The HP 700 Display Terminal family offers low cost, full-featured terminals for HP, DEC, and general purpose ASCII system environments.

Product number	Description	Suggested list price
Terminals		
C1006A	HP 700/43 fully featured ASCII terminal with amber phosphor	\$ 499
C1006G	HP 700/43 fully featured ASCII terminal with green phosphor	\$ 499
C1006W	HP 700/43 fully featured ASCII terminal with soft white phosphor	\$ 499
C1007A	HP 700/44 PC terminal users with multi-user PCs (amber)	\$ 599
C1007G	HP 700/44 PC terminal users with multi-user PCs (green)	\$ 599
C1007W	HP 700/44 PC terminal users with multi-user PCs (soft white)	\$ 599
C1017A	HP 700/32 DEC VT-320 compatible terminal with amber phosphor	\$ 575
C1017G	HP 700/32 DEC VT-320 compatible terminal with green phosphor	\$ 575
C1017W	HP 700/32 DEC VT-320 compatible terminal with soft white phosphor	\$ 575
Must order language option:		
ABA	U.S. English kit	N/C

HP Local Area Network products

Product number	Description	Suggested list price
LAN products		
	Available to Approved HP PC LAN Dealers Only	
28684A	HP EtherTwist Hub	\$ 1,899
28688A	HP EtherTwist Hub Plus	\$ 2,299
27245A	HP EtherTwist PC Link	\$ 395
28685A	HP EtherTwist MAU	\$ 159
27267A	HP EtherTwist PC Link 6 Pack	\$ 2,250
27247A	HP EtherTwist PC Link 16	\$ 445
	Must order language option:	
ABA	U.S. English kit	N/C
Network management		
	Available to Approved HP PC LAN Dealers Only	
28686A	HP OpenView Hub Manager Software	\$ 1,499
Product number	Description	U.S. List Qty.—1
Cabling		
	Available to Approved HP PC LAN Dealers Only	
92214R	5 feet, 25 pair twisted-pair cable	\$ 19
92214S	10 feet, 25 pair twisted-pair cable	\$ 21
92214T	25 feet, 25 pair twisted-pair cable	\$ 28
92268A	4 meter, 4 pair twisted-pair cable	\$ 10
92268B	8 meter, 4 pair twisted-pair cable	\$ 12
92268C	16 meter, 4 pair twisted-pair cable	\$ 14
92268D	32 meter, 4 pair twisted-pair cable	\$ 22
92268N	300 meter, 4 pair twisted-pair cable, no connectors	\$ 85
92214U	HP ThinLAN cable assembly	\$ 37
92214W	Crossover cable	\$ 9
Accessories		
	Available to Approved HP PC LAN Dealers Only	
46298D	19-in Free-standing Equipment Rack	\$ 260
35199D	19-in Cable Management Panel	\$ 55
92268P	8-pin modular plugs, 25 per package	\$ 37
92268J	Wall jacks (one 8-pin, one 6-pin), 12 per package	\$ 99
92268S	6- to 8-pin cable adapter	\$ 16.50
92268T	8-pin modular plug crimp tool	\$ 150
28689A	Troubleshooting Kit	\$ 149
28638A	12 Port Modular Adapter	\$ 99



U.S. prices only. This price list shows manufacturer's suggested retail prices.

Prices, availability, and technical information are subject to change without notice.

MS-DOS and Microsoft are U.S. registered trademarks of Microsoft Corporation.
UNIX is a registered trademark of AT&T in the USA and in other countries.
SCO is a trademark of The Santa Cruz Operation.
VP/ix is a trademark of Phoenix Technologies Ltd. and Interactive Systems Corporation.

**© Copyright
Hewlett-Packard Company 1991
All Rights Reserved. Reproduction, adaptation, or translation without prior written permission is prohibited except as allowed under the copyright laws.**

**Printed in USA M0191
5091-0778EUS**