

# HEWLETT-PACKARD

## Personal Computer Products Dealer Price Guide

Prices effective 1/89



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## HP Vectra personal computer products

PC	Model Number	Product Number	Price	Processor	Standard RAM	Package Type	Flexible Disc size/(Mbytes)	Hard Disc (Mbytes)	Graphics Adapter
CS	Model 10	D1110A	\$1,195.00	8086	640 KB	D	5.25-in. (360-KB)	none	none
	Model 15	D1115A	\$1,295.00	compatible	640 KB	D	3.5-in. (1.44-MB)	none	none
	Model 16	D1116A	\$1,695.00		640 KB	D	2 5.25-in. (360-KB)	none	VGA
	Model 20	D1120A	\$1,895.00		640 KB	D	5.25-in. (360-KB)	20	none
	Model 26	D1126A	\$2,295.00		640 KB	D	5.25-in. (360-KB)	20	VGA
Model 27	D1127A	\$2,295.00	640 KB		D	3.5-in. (1.44-MB)	20	VGA	
ES	Model 10	D1210A	\$1,995.00✓	80286	640 KB	D	5.25-in. (1.2-MB)	none	none
	Model 15	D1215A	\$1,995.00✓	(8 MHz)	640 KB	D	3.5-in. (1.44-MB)	none	none
	Model 20	D1220A	\$2,395.00✓	640 KB	D	5.25-in. (1.2-MB)	20	none	
	Model 26	D1226A	\$2,795.00✓	640 KB	D	5.25-in. (1.2-MB)	20	VGA	
	Model 27	D1227A	\$2,795.00✓	640 KB	D	3.5-in. (1.44-MB)	20	VGA	
ES/12	Model 10	D1310A	\$2,595.00✓	80286	640 KB	D	5.25-in. (1.2-MB)	none	none
	Model 15	D1315A	\$2,595.00✓	(12 MHz)	640 KB	D	3.5-in. (1.44-MB)	none	none
	Model 20	D1320A	\$2,995.00✓	640 KB	D	5.25-in. (1.2-MB)	20	none	
	Model 26	D1326A	\$3,395.00✓	640 KB	D	5.25-in. (1.2-MB)	20	VGA	
	Model 27	D1327A	\$3,395.00✓	640 KB	D	3.5-in. (1.44-MB)	20	VGA	
	Model 40	D1340A	\$3,595.00	640 KB	D	5.25-in. (1.2-MB)	40	none	
	Model 46	D1346A	\$3,995.00	640 KB	D	5.25-in. (1.2-MB)	40	VGA	
Model 47	D1347A	\$3,995.00	640 KB	D	3.5-in. (1.44-MB)	40	VGA		
QS/16	Model 10	D1400A	\$3,995.00	80386	1 MB	D	5.25-in. (1.2-MB)	none	none
	Model 40	D1401A	\$5,095.00	(16 MHz)	1 MB	D	5.25-in. (1.2-MB)	40	none
	Model 46	D1402A	\$5,495.00	1 MB	D	5.25-in. (1.2-MB)	40	VGA	
	Model 47	D1404A	\$5,495.00	1 MB	D	3.5-in. (1.44-MB)	40	VGA	
RS/20C*	Model 100e	D2002A	\$7,595.00	80386	1 MB	F	5.25-in. (1.2-MB)	103	none
	Model 150e	D2003A	\$8,195.00	(20 MHz)	1 MB	F	5.25-in. (1.2-MB)	155	none
	Model 154e	D2004A	\$10,145.00	4 MB	F	5.25-in. (1.2-MB)	155	none	
RS/25C*	Model 100e	D2022A	\$10,295.00	80386	1 MB	F	5.25-in. (1.2-MB)	103	none
	Model 150e	D2023A	\$10,895.00	(25 MHz)	1 MB	F	5.25-in. (1.2-MB)	155	none
	Model 154e	D2024A	\$13,295.00	4 MB	F	5.25-in. (1.2-MB)	155	none	
	Model 304e	D2025A	\$15,695.00	4 MB	F	5.25-in. (1.2-MB)	310	none	
Portable Vectra CS	Portable CS	D1001A	\$2,495.00	8086	640 KB	P	2 3.5-in. (1.44-MB)	none	CGA
	Model 20	D1009A	\$3,675.00	compatible	640 KB	P	3.5-in. (1.44-MB)	20	CGA
LS/12 Laptop	Model 24	D1024A	\$4,879.00☆	80L286	1 MB	L	3.5-in. (1.44-MB)	20	CGA
	Model 44	D1044A	\$5,479.00☆	compatible (12/6 MHz)	1 MB	L	3.5-in. (1.44-MB)	40	CGA

D = Desktop    F = Floor mount    P = Portable    L = Laptop

\*"e" denotes models with ESDI hard disc controller

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

Key: ✓ New price  
☆ New product

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## HP Vectra personal computer products

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The HP Vectra PC family may be purchased in a variety of configurations. Each of these models is described in detail below and in the Product Matrix on the previous page.

### **HP Vectra CS personal computer:**

The HP Vectra CS is a desktop PC with a 7.16-MHz processor compatible with the Intel 8086, 640 Kbytes of RAM, one serial and one parallel I/O interface, the HP Terminal Program, HP disc cache software, the Enhanced Vectra PC Keyboard, and system documentation.

### **HP Vectra ES personal computer:**

The Vectra ES PC includes an 8-MHz 80286 processor, 640 Kbytes of RAM, a flexible disc controller, hard disc controller, one serial and one parallel I/O interface, an HP-HIL port, the HP Terminal Program, HP disc cache software, the Enhanced Vectra PC Keyboard, and system documentation.

### **HP Vectra ES/12 personal computer:**

The Vectra ES/12 PC offers a 12-MHz 80286 processor, 640 Kbytes of RAM, a flexible disc controller, hard disc controller, one serial and one parallel I/O interface, an HP-HIL port, the HP Terminal Program, HP disc cache software, the Enhanced Vectra PC Keyboard, and system documentation.

### **HP Vectra QS/16 personal computer:**

The HP Vectra QS/16 PC includes a 16-MHz 80386 processor, 1 Mbyte of RAM, hard disc controller, flexible disc drive controller, one serial and one parallel I/O interface, an HP-HIL port, HP Expanded Memory Manager/386, the HP Terminal Program, HP disc cache software, HP Volume Expansion Utility, the Enhanced Vectra PC Keyboard, and system documentation.

### **HP Vectra RS/20C personal computer:**

Each of the HP Vectra RS/20C PC models include a 20-MHz 80386 processor, 1 or 4 Mbytes RAM, an ESDI hard disc and controller, one 5.25-inch, 1.2-Mbyte one flexible disc drive, flexible disc drive controller, one serial port, one parallel port, one HP-HIL port, HP Expanded Memory Manager/386, the HP Terminal Program, HP disc cache software, HP Volume Expansion Utility, the Enhanced Vectra PC Keyboard, and system documentation.

### **HP Vectra RS/25C personal computer:**

The HP Vectra RS/25C features a 25-MHz 80386 processor. Also included is 1 or 4 Mbytes RAM, an ESDI hard disc and controller, one 5.25-inch, 1.2-Mbyte flexible disc drive, one flexible disc drive controller, one serial port, one parallel port, one HP-HIL port, HP Expanded Memory Manager/386, the HP Terminal Program, HP disc cache software, HP Volume Expansion Utility, the Enhanced Vectra PC Keyboard, and system documentation.

### **HP Portable Vectra CS personal computer:**

The HP Portable Vectra CS PCs include a 7.16-MHz, CMOS processor that is compatible with the Intel 8086. The models also include 640 Kbytes of RAM, a flexible disc controller, a display/printer adapter, four I/O slots, a keyboard, supertwist LCD display, battery module and recharger, the HP Terminal Program and System documentation.

### **HP Vectra LS/12 Laptop personal computer:**

The HP Vectra LS/12 PCs include a 12/16-MHz 80L286 processor. The models also include 1 Mbyte of RAM, a 3.5-inch 1.44-Mbyte flexible disc drive, a shock-mounted 28 Msec hard disc drive, 10-inch diagonal electroluminescent backlit supertwist display, a full-function keyboard, a removable NiCad battery pack, an AC adapter/charger, one serial port, one parallel port, the HP Terminal Emulation Program, HP disc cache software, the HP Battery Watch™ Program, and system documentation.

Also included are an RGB video connector, slots for internal modem and internal memory expansion, a socket for an optional 80C287 coprocessor, and a connector for an optional numeric keypad.

## HP Vectra personal computer products (continued)

Product number	Option	Description	Suggested list price
<b>System software</b>			
45951D		Microsoft MS-DOS 3.3 for the HP Vectra PC includes 5.25-inch discs and manuals, Personal Applications Manager (PAM), File Manager, and multiple character set utilities.	\$ 120.00
45951E		Microsoft MS-DOS 3.3 for the HP Vectra PC includes 3.5-inch discs and manuals, Personal Application Manager (PAM), File Manager, and multiple character set utilities.	\$ 120.00
45952A		Vectra Basic. Vectra Basic Interpreter. Includes software on 5.25-inch media and a user's manual.	\$ 89.00
D1302A		Microsoft Operating System/2 1.0 Version A for the HP Vectra PC. Does not support HP Vectra CS or pre-Vectra ES PCs.	\$ 325.00
		■ <b>Must order language option and media size</b>	
	ABA	A language option (ABA U.S. English) must be ordered.	\$ 0.00
	AA9	5.25-inch, 1.2-Mbytes discs	\$ 0.00
	AAD	3.5-inch, 1.44-Mbytes discs	\$ 0.00
D1318A		Microsoft Windows/286 for the HP Vectra PC (Version 2.1) 5.25-inch, flexible discs.	\$ 149.00
D1318B		Microsoft Windows/286 for the HP Vectra PC (Version 2.1.) 3.5-inch flexible disc.	\$ 149.00
D1651A		Microsoft Windows/386 includes 5.25-inch and 3.5-inch flexible discs. Requires HP Vectra DOS 3.2 or higher. For HP Vectra QS/16 and RS PCs only.	\$ 195.00
		■ <b>Must order language option</b>	
	ABA	U.S. English Version	\$ 0.00
<b>Monitors and video adapters</b>			
		<b>VGA:</b>	
D1180A		HP Video Graphics Adapter	\$ 445.00
	1A7	Additional 256 Kbytes of RAM for VGA	\$ 225.00 ✓
D1181A		VGA monochrome display (amber)	\$ 250.00
	ABA	U.S. power cord	\$ 0.00
D1181G		VGA monochrome display (green)	\$ 250.00
	ABA	U.S. power cord	\$ 0.00
D1181W		VGA monochrome display (soft white)	\$ 250.00
	ABA	U.S. power cord	\$ 0.00
D1182A		VGA color display	\$ 695.00
	ABA	U.S. power cord	\$ 0.00
82959S		Tilt/swivel base for D1182A display.	\$ 95.00
D1183A		HP Touchscreen Plus Bezel for the HP VGA Color Display (D1182A) only.	\$ 530.00
		<b>EGA:</b>	
45983A		HP Enhanced Graphics Adapter.	\$ 495.00
35743A		13-inch HP Enhanced Graphics display (45983A HP Enhanced Graphics Adapter required).	\$ 845.00
82959S		Tilt/Swivel base for the 35743A HP Enhanced Graphics display.	\$ 95.00

Key: ✓ New price  
☆ New product

## HP Vectra personal computer products (continued)

Product number	Option	Description	Suggested list price
<b>Monitors and video adapters (continued)</b>			
<b>Monitor cables:</b>			
D1030A		EGA video extension cable, 2m.	\$ 39.95
D1184A		VGA video extension cable, 2m.	\$ 60.00
<b>Display terminal products</b>			
The HP 700/44 display terminals are low-cost, full-featured terminals for multi-user environments.			
C1007A		HP 700/44 PC terminal user with multi-user PCs. (amber)	\$ 599.00✓
C1007G		HP 700/44 PC terminal user with multi-user PCs. (green)	\$ 599.00✓
C1007W		HP 700/44 PC terminal user with multi-user PCs. (soft white)	\$ 599.00✓
		■ <b>Must order language option</b>	
	ABA	U.S. English kit	\$ 0.00
<b>Data Storage*</b>			
<b>Internal:</b>			
45811A		360-Kbyte, 5.25-inch flexible disc drive.	\$ 225.00
45812A		1.2-Mbyte, 5.25-inch flexible disc drive. (For HP Vectra ES, ES/12, QS, and RS PCs only.)	\$ 275.00
45813A		3.5-inch flexible disc drive. Provides 710-Kbyte, 720-Kbyte, and 1.44-Mbyte data interchange.	\$ 325.00
	001	MS-DOS 3.2 Version B.01.01 to MS-DOS 3.2 version to B.01.02 Upgrade kit. (NOTE: This option does not upgrade MS-DOS 3.1 to MS-DOS 3.2.)	\$ 25.00
D1173A		HP Vectra CS PC 20-Mbyte hard disc subsystem. Includes disc drive, controllers, and cables.	\$ 995.00
D1296A		HP Vectra 20-Mbyte internal hard disc mechanism. Includes a half-height, 65ms average seek time, AT-compatible hard disc drive, 20-pin data cable, and Installation Guide. Supportable as the first or second hard disc on Vectra ES and ES/12. Does NOT include a hard disc controller.	\$ 795.00
D1297A		HP Vectra 40-Mbyte internal hard disc mechanism. Includes a half-height, 28ms average seek time, AT-compatible hard disc drive, 20-pin data cable, and Installation Guide. Supportable as the first or second hard disc on Vectra ES, ES/12, and QS/16. Does NOT include a hard disc controller.	\$ 1295.00
45806B		Flexible disc mounting brackets for third-party drives, package of 10 pairs.	\$ 75.00
D1671A		40-Mbyte Internal Tape Back-up Mechanism. Includes DC-2000 tape cartridge and software. Requires flexible disc expander (D1678A) if two flexible disc drives are installed.	\$ 795.00
D1674A		HP Vectra RS PC 103-Mbyte ESDI add-on internal hard disc mechanism. Includes a full height hard disc drive featuring 17ms average seek time, data cable, and complete installation kit. Supported on HP Vectra RS systems only.	\$ 2595.00✓
D1675A		HP Vectra RS PC 155-Mbyte ESDI add-on internal hard disc mechanism. Includes a full height hard disc drive featuring 17ms average seek time, data cable, and complete installation kit. Supported on HP Vectra RS PC systems only.	\$ 3195.00✓

\*All capacities indicated are formatted unless otherwise noted.

Key: ✓ New price  
☆ New product

## HP Vectra personal computer products (continued)

Product number	Option	Description	Suggested list price
<b>Data Storage (continued)*</b>			
<b>Internal (continued):</b>			
D1676A		HP Vectra RS PC 310-Mbyte ESDI add-on internal hard disc mechanism. Includes a full height hard disc drive featuring 17ms average seek time, data cable, and complete installation kit. Supported on HP Vectra RS PC systems only.	\$ 5495.00
D1677A		ESDI Four-Function Controller. Includes hard disc controller, flexible disc controller, serial port, and parallel port. Supported on HP Vectra RS PCs only.	\$ 595.00
D1678A		Flexible Disc Expander to support two additional flexible disc type devices. Required to support third and fourth flexible disc type devices. Supported on HP Vectra RS PCs only.	\$ 195.00✓
<b>Media:</b>			
92190A		360-Kbyte, 5.25-inch double-sided flexible discs; box of 10.	\$ 25.00
92190N		360-Kbyte, 5.25-inch double-sided flexible discs; box of 100.	\$ 166.00
92190X		1.2-Mbyte, 5.25-inch high-capacity flexible discs; box of 10.	\$ 49.00
92190Z		1.2-Mbyte, 5.25-inch high-capacity flexible discs; box of 200.	\$ 340.00
92192A		710/720-Kbyte, 3.5-inch double-sided micro-flexible discs; box of 10.	\$ 39.00
92192R		Package of 250, multi-colored disc labels for use with 92192N.	\$ 19.95
92242L		67-Mbyte tape cartridges for the 9142A .25-inch Tape Backup system; box of 5.	\$ 189.00
92242S		17-Mbyte tape cartridges for the 9142A, .25-inch Tape Backup system; box of 5.	\$ 139.00
92192N		710/720-Kbyte, 3.5-inch double-sided micro-flexible discs; box of 100.	\$ 279.00
92192X		1.44-Mbyte, 3.5-inch high-density, double-sided micro-flexible discs; box of 10.	\$ 79.00
88140LC		67-Mbytes tape cartridges for the 9144A .25-inch cartridge tape drive; box of 5.	\$ 219.00
88140SC		16-Mbytes tape cartridges for the HP 9144A .25-inch cartridge tape drive; box of 5.	\$ 169.00
92192T		40-Mbyte DC 2000 tape cartridges for the D1671A .25-inch cartridge tape drive; box of 5.	\$ 175.00☆✓

### Accessories\*\*

<b>Enhancements:</b>			
24530A		ROM Disc Accessory	\$ 240.00
	001	Adds ROM disc programmer's kit	\$ 260.00
D1174A		HP Vectra CS PC expanded memory card. Provides 1 to 2 Mbytes of RAM accessible through the Lotus/Intel/Microsoft Expanded Memory Specification, (EMS) Revision 3.2, for use on the HP Vectra CS PC only.	
	001	1-Mbyte RAM installed	\$ 695.00
	002	2-Mbyte RAM installed	\$ 1095.00
D1008A		HP Vectra CS Memory Expansion Kit. Adds 1 Mbyte of RAM to the D1174A option 001 HP Vectra CS PC expanded memory card.	\$ 595.00
45944A		HP Vectra ES expanded memory card. Memory card using Lotus/Intel/Microsoft Expanded Memory Specification (EMS), Revision 4.0. For use in HP Vectra ES and ES/12 PCs only.	

\*All capacities indicated are formatted unless otherwise noted.

\*\*Unless otherwise noted, accessories work with HP Vectra CS, ES, ES/12, QS, and RS PCs.

Key: ✓ New price  
☆ New product

## HP Vectra personal computer products (continued)

Product number	Option	Description	Suggested list price
<b>Accessories (continued)*</b>			
<b>Enhancements (continued):</b>			
	001	2-Mbyte installed on expanded memory card.	\$ 1695.00
	002	4-Mbyte installed on expanded memory card.	\$ 2795.00
	003	8-Mbyte installed on expanded memory card.	\$ 4995.00
D1354A		2-Mbyte installed on expanded memory upgrade kit. For use with 45944A HP Vectra ES PC expanded memory card.	\$ 1295.00✓
45973A		.5-Mbyte extended memory card for electronic RAM discs. For HP Vectra ES, ES/12, and HP Vectra PCs.	\$ 595.00
45974A		1-Mbyte extended memory card for electronic RAM discs. For HP Vectra ES, ES/12, and HP Vectra PCs.	\$ 995.00
D1440A		HP Vectra QS/16 PC memory expansion card. Allows the addition of up to 16 Mbytes of Random Access Memory (RAM) to the HP Vectra QS/16 PC. Required for 4-, 10-, and 16-Mbyte configurations.	\$ 215.00
D1172A		HP Vectra numeric coprocessor (7.16-MHz, Intel 8087).	\$ 325.00
D1387A		HP Vectra 8-MHz, 80287 numeric coprocessor. For HP Vectra ES and ES/12 and HP Vectra PCs. Operates at 8 MHz in HP Vectra ES and ES/12 PCs, and at 5.33 MHz in HP Vectra PC.	\$ 460.00✓
D1540A		1-Mbyte Memory Expansion Kit (100ns). For HP Vectra QS/16 and RS/16. Includes four 100ns, 256 Kbitx9 memory modules (SIMMS) to expand 1-Mbyte system to 2 Mbytes. Two kits required to expand 2-Mbyte system to 4 Mbytes or 8-Mbyte system to 10 Mbytes. Three kits required to expand 1-Mbyte system to 4 Mbytes.	\$ 650.00✓
D1542A		4-Mbyte Memory Expansion Kit (100ns). For HP Vectra QS/16 and RS/20C PCs. Includes four 100ns, 1 Mbyte memory modules (SIMMS) to expand system to 4 Mbytes, 8 Mbytes, 10 Mbytes or 16 Mbytes.	\$ 2595.00✓
D1570A		HP Vectra QS/16 and RS/16 numeric coprocessor (16-MHz, Intel 80387).	\$ 795.00
D1640A		1-Mbyte Memory Expansion Kit (80ns) (for HP Vectra RS/20 only). Includes four 80ns, 256 Kbyte memory modules (SIMMs) to expand 1-Mbyte system to 2 Mbyte. Three kits required to expand 1-Mbyte system to 4 Mbytes.	\$ 795.00✓
D1642A		4-Mbyte Memory Expansion Kit (80ns) (for HP Vectra RS/25C only). Includes four 80ns, 1 Mbyte memory modules (SIMMs) to expand system to 4 Mbytes, 8 Mbytes, 10 Mbytes or 16 Mbytes. Two D1642A Kits replace D1641A memory kit.	\$ 3195.00☆
D1670A		HP Vectra RS/20C PC numeric coprocessor (20-MHz, Intel 80387).	\$ 1195.00
D2070A		HP Vectra RS/25C PC numeric coprocessor (25-MHz, Intel 80387).	\$ 1895.00☆
<b>Interface and data communications:</b>			
24531A		Terminal ROM Card	\$ 270.00
24540B		Serial/parallel interface (9-Pin M RS-232/25-Pin F Centronics parallel interface).	\$ 195.00✓
24541B		RS-232/422 dual serial interface (9-Pin M RS-232/25-Pin F RS-232/422).	\$ 230.00✓
24550A		Internal 1200-bps modem with Crosstalk XVI software. Bell 212A compatible.	\$ 410.00✓
24551A		Internal 2400-bps modem with Crosstalk XVI software. Bell 212A, V.22 and V.22bis compatible.	\$ 830.00
24551B		Internal 2400-bps modem without Crosstalk XVI software. Bell 212A, V.22 and V.22bis compatible.	\$ 755.00
50920A		HP IRMA 3278/79 emulator card.	\$ 1255.00

\*Unless otherwise noted, accessories work with HP Vectra CS, ES, ES/12, QS, and RS PCs.

Key: ✓ New price  
☆ New product

## HP Vectra personal computer products (continued)

Product number	Option	Description	Suggested list price
<b>Accessories (continued)*</b>			
<b>Interface and data communications (continued):</b>			
50921A		SNA Link/3270 emulator.	\$ 1040.00
50922A		SNA Link/3270 software driver.	\$ 880.00
82973A		HP-IL portable-desktop link card.	\$ 173.00✓
24520A		HP OfficeTalk card with software.	\$ 995.00
82990A		HP-IB interface card and command library. Provides instrument-control capabilities for the HP Vectra PC and IBM PCs, PC/XTs and PC/ATs. Supports GW™ BASIC, Pascal 4.0, Compiled BASIC, Quick-BASIC and Microsoft C by Microsoft.	\$ 430.00✓
82990E		HP-IB command library software.	\$ 315.00✓
88500B		Disc/Tape software.	\$ 97.00
92172F		HP-IB data lock.	\$ 102.00
<b>HP-HIL devices:</b>			
D1171A		HP Vectra CS HP-HIL accessory interface. Adds HP-HIL connector to the HP Vectra CS PC. (Required for the use of HP-HIL devices with the HP Vectra CS PC).	\$ 150.00✓
35723A		HP Touch accessory. User-installable; 92241A cable included.	\$ 530.00
46060A		HP Mouse. Requires installation of HP-IL mouse driver, which is included with HP Vectra documentation.	\$ 155.00✓
46080A		HP-HIL extension module, 8 feet.	\$ 89.00
46087A		A-size Digitizer tablet.	\$ 850.00
46088A		B-size Digitizer tablet.	\$ 1365.00
92241A		Replacement HP-HIL cable, 2m.	\$ 22.00
45911A		HP Graphics tablet.	\$ 510.00✓
92916A		Bar code reader.	\$ 625.00✓
<b>Miscellaneous:</b>			
35199A		Rack-mount shelf for desktop HP Vectra PC.	\$ 79.00
35178A		Cordura carrying case.	\$ 190.00
45986A		Security lock for HP Vectra CS, ES, and QS PCs.	\$ 60.00✓
92166A		Keyboard park.	\$ 99.00
92171C		Keyboard drawer park	\$ 95.00
92259L		Dust cover set for monitor and keyboard. For use on the HP Vectra CS, ES, QS or RS PCs with VGA color monitor.	\$ 35.00
92259M		Dust cover set for monitor and keyboard. For use on the HP Vectra CS, ES, QS or RS PCs with VGA monochrome monitor.	\$ 35.00
C1405A		Enhanced HP Vectra PC keyboard/DIN (for use with HP Vectra CS, ES, QS, and RS PCs).	\$ 240.00
C1406A		HP Vectra PC keyboard/DIN (for use with HP Vectra ES PCs only).	\$ 240.00
D1672A		HP Vectra RS Desktop Mounting Kit	\$ 95.00✓
<b>Cables</b>			
<b>Printer/plotter:</b>			
13242G		25-pin, M/25-pin M serial printer/plotter cable, 5m.	\$ 69.00
17255D		25-pin, M/25-pin, F serial cable for 7550A plotter, 1.5m.	\$ 40.00
17255M		25-pin, M/25-pin M serial printer/plotter cable, 1.5m.	\$ 40.00

\*Unless otherwise noted, accessories work with HP Vectra CS, ES, ES/12, QS, and RS PCs.

Key: ✓ New price  
☆ New product

## HP Vectra personal computer products (continued)

Product number	Option	Description	Suggested list price
<b>Cables (continued)</b>			
<b>Printer/plotter (continued):</b>			
24542D		25-pin, M/36-pin M Centronics parallel printer cable, 2m.	\$ 55.00
24542G		9-pin, F/25-pin M serial printer/plotter cable, 3m.	\$ 60.00 ✓
24542H		9-pin, F/25-pin F serial cable for 7550A plotter, 3m.	\$ 60.00 ✓
<b>Modem:</b>			
13242N		25-pin, M/25-pin M serial cable for U.S. modem or direct connection to HP 3000 ADCC port, 5m.	\$ 110.00
24542M		9-pin, F/25-pin M cable for U.S./European modem cable, 3m.	\$ 60.00 ✓
<b>HP-IB:</b>			
10833A		1m HP-IB cable.	\$ 80.00
10833B		2m HP-IB cable.	\$ 90.00
10833C		4m HP-IB cable.	\$ 100.00
10833D		0.5m HP-IB cable.	\$ 80.00
<b>HP 3000:</b>			
13242X		25-pin, M/3-pin M RS-232 serial cable for HP 3000 ADCC port, 5m.	\$ 80.00
13242P		25-pin, M/5-pin M RS-422 serial cable for HP 3000 ATP port, 5m.	\$ 79.00
13242N		25-pin, M/25-pin M serial cable for direct connection to HP 3000 ADCC port or US modem, 5m.	\$ 110.00

### Documentation

45945-60031		HP Vectra ES and ES/12 PC Technical Reference Manual (System BIOS)	\$ 40.00
45983-90011		HP Vectra EGA Technical Reference Manual.	\$ 95.00
D1100-90001		HP Vectra CS Technical Reference Manual.	\$ 75.00
D1310-90001		HP Vectra ES and ES/12 PCs Hardware Service Manual.	\$ 60.00
D1410-90002		HP Vectra QS/16 PC Hardware Technical Reference Manual.	\$ 45.00 ✓
HP 45945-60031		HP Vectra System BIOS Technical Reference Manual.	\$ 40.00 ✓
HP 5061-8971		Microsoft MS-DOS 3.2 Programmer's Reference Manual.	\$ 50.00 ✓

### Training

51410A		HP Vectra PC Fundamentals: A computer-based tutorial.	\$ 95.00
<b>Classroom learning pack:</b>			
Classroom learning products are tools designed for training end-users in a group environment. Contains ready-to-use instructor's materials. Some packages have computer based training. Each learning pack contains an HP FastTrak Guide. Classroom learning products are available for the following products:			
68352V		The Gallery Collection (student training disc included).	\$ 199.00
89913F		Executive Card Manager.	\$ 129.00
<b>Student training disc for:</b>			
68351P		The Gallery Collection, package of 5 discs.	\$ 50.00

Key: ✓ New price  
 ☆ New product

## HP Vectra personal computer products (continued)

Product number	Option	Description	Suggested list price
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### Training (continued)

#### HP FastTrak manuals:

HP FastTrak manuals are comprehensive self-study training for user support personnel. All the information you need to become an expert user. HP FastTrak manuals are available for the following products:

68352X		The Gallery Collection.	\$ 170.00
89915F		Executive Memomaker	\$ 95.00

### Application software

#### Database/file management:

68331F*		Executive Card Manager A.01.08.	\$ 315.00 ✓
68335F*		Executive Card Manager: templates A.01.02.	\$ 130.00

#### Development/utilities:

35188A		LaserPlotter	\$ 150.00
35188D		iPrint	\$ 349.95
35190J		LaserControl	\$ 150.00
35190P		JetPlotter	\$ 99.00
45952A		HP Vectra BASIC Interpreter 3.11.	\$ 89.00

#### Graphics

68350F		Charting Gallery 2.0.	\$ 295.00
68351F		Drawing Gallery 2.0. 384 Kbytes RAM and mouse required.	\$ 395.00
68324F*		Office Activities Portfolio for Drawing Gallery A.01.00.	\$ 95.00
68325F*		Chemical/Petrochemical Portfolio for Drawing Gallery A.01.00.	\$ 150.00
68326F*		Business Management Portfolio for Drawing Gallery A.01.00.	\$ 95.00
68327F*		HP Draw Figures Portfolio for Drawing Gallery A.01.00.	\$ 195.00
68352F*		The Gallery Collection 2.0. Includes 68350F Charting Gallery and 68351F Drawing Gallery, and the Business Management Portfolio; 384-Kbytes RAM and mouse required.	\$ 695.00

#### Terminal emulation:

68333F*		AdvanceLink B.01.00.	\$ 325.00
	100**	AdvancePrint (5.25-inch media)	\$ 125.00
	103**	AdvancePrint (3.5-inch media)	\$ 125.00

#### Shared resources:

32583F*		AdvancePrint	\$ 170.00
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#### Word processing:

27546F		AdvanceWrite Plus F.02.00	\$ 710.00
68330F*		Executive MemoMaker A.03.00.	\$ 300.00

\*Order option 003 for 3.5-inch media.

\*\*Must order AdvanceLink software, P/N 68333F, with this option.

## HP Portable Vectra CS personal computer products\*

Product number	Option	Description	Suggested list price
<b>System software</b>			
45951E		Microsoft MS-DOS 3.3 (3.5-inch media)	\$ 120.00
D1318B		Microsoft Windows/286 for the HP Vectra PC (Version 2.1) 3.5-inch media.	\$ 149.00
<b>Monitors</b>			
35731D		12-inch HP Monochrome Plus video display.	\$ 325.00
35743A		13-inch HP Enhanced graphics display.	\$ 845.00
<b>Accessories</b>			
<b>Enhancements:</b>			
D1004A		Dual-Serial/EMS adapter.	\$ 220.00
	001	1-Mbyte EMS RAM installed.	\$ 815.00
	002	2-Mbyte EMS RAM kit installed.	\$ 1415.00
D1008A		1-Mbyte EMS RAM kit (for D1004A).	\$ 595.00
<b>Data Communications:</b>			
D1002A		1200-bps asynchronous modem.	\$ 450.00
D1003A		2400-bps synchronous/asynchronous modem	\$ 695.00
<b>Miscellaneous:</b>			
D1006A		HP Portable Vectra CS Technical Reference manual.	\$ 125.00
D1007A		Softcase.	\$ 150.00
D1001-60009		Battery module.	\$ 250.00
5061-4335		Recharger.	\$ 155.00
<b>Data storage</b>			
92192A		710/720-Kbyte, 3.5-inch double-sided micro-flexible discs; box of 10.	\$ 39.00
92192N		710/720-Kbyte, 3.5-inch double-sided micro-flexible discs; box of 100.	\$ 279.00
92192X		1.44-Mbyte, 3.5-inch high-density, double-sided micro-flexible discs; box of 10.	\$ 79.00
<b>Cables</b>			
<b>Printer/Plotter:</b>			
13242G		25-pin, M/25-pin M serial printer/plotter cable, 5M.	\$ 69.00
24542D		25-pin, M/36-pin M Centronics parallel printer cable, 2m.	\$ 55.00
24542G		9-pin, F/25-pin M serial printer/plotter cable, 3m.	\$ 60.00 ✓
24542H		9-pin, F/25-pin F serial cable for 7550A plotter, 3m.	\$ 60.00 ✓
92219Z		25-pin, M/15-pin M for ThinkJet Centronics battery printer, 1m.	\$ 51.00
17255D		25-pin, M/25-pin F serial cable for 7550A plotter 1.5m.	\$ 40.00
<b>Modem:</b>			
13242X		25-pin, M/3-pin M RS-232C cable, 5m.	\$ 80.00
13242P		25-pin, M/5-pin M RS-422 serial cable, 5m.	\$ 79.00
24542M		9-pin, F/25-pin M US/European modem cable, 3m.	\$ 60.00 ✓
13242-60001		25-pin, M/25-pin M US Modem cable, 5m.	\$ 100.00

\*See pages 1-2 for pricing and ordering information on HP Vectra personal computers.

Key: ✓ New price  
☆ New product

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## HP Portable Vectra CS personal computer products (continued)\*

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Product number	Option	Description	Suggested list price
<b>Application software</b>			
<b>Communications:</b>			
68333F	003	AdvanceLink.	\$ 325.00
<b>Database/File Management:</b>			
68331F	003	Executive Card Manager.	\$ 315.00✓
<b>Graphics:</b>			
68352F	003	The Gallery Collection.	\$ 695.00
68324F	003	Office Activities Portfolio for Drawing Gallery	\$ 95.00
68326F	003	Business Management Portfolio for Drawing Gallery	\$ 95.00
68327F	003	HPDraw Figures Portfolio for Drawing Gallery.	\$ 195.00
68325F	003	Chemical/PetroChemical Portfolio for Drawing Gallery	\$ 150.00
<b>Word Processing:</b>			
68330F		Executive MemoMaker.	\$ 300.00✓

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\*See pages 1-2 for pricing and ordering information on HP Vectra personal computers.

## HP Vectra LS/12 Laptop personal computer products

Product number	Option	Description	Suggested list price
<b>HP Vectra LS/12 Laptop personal computer</b>			
<p>The HP Vectra LS/12 PCs include a 12/16-MHz 80L286 processor. The models also include 1 Mbyte of RAM, a 3.5-inch 1.44-Mbyte flexible disc drive, a shock-mounted 28 Msec hard disc drive, 10-inch diagonal electroluminescent backlit supertwist display, a full-function keyboard, a removable NiCad battery pack, an AC adapter/charger, one serial port, one parallel port, the HP Terminal Emulation Program, HP disc cache software, the HP Battery Watch™ Program, and system documentation.</p> <p>Also included are an RGB video connector, slots for internal modem and internal memory expansion, a socket for an optional 80C287 coprocessor, and a connector for an optional numeric keypad.</p>			
D1024A		HP Vectra LS/12 with 20-Mbyte hard disc drive.	\$ 4879.00☆
	ABA	<p>■ <b>Must order language option and media size.</b></p> <p>A language option (U.S. English) must be ordered.</p>	
D1044A		HP Vectra LS/12 with 40-Mbyte hard disc drive.	\$ 5479.00☆
	ABA	<p>■ <b>Must order language option and media size.</b></p> <p>A language option (U.S. English) must be ordered.</p>	
<b>System software</b>			
45951E		HP Vectra Disc Operating System (DOS) 3.3 includes 3.5-inch discs and manuals, Personal Applications Manager (PAM), File Manager, multi-volume and multiple character set utilities.	\$ 120.00
D1302A		Microsoft™ Operating System/2, 1.0, Version A for the HP Vectra PC, 3.5-inch, 1.44-Mbyte discs.	\$ 325.00
	ABA	<p>■ <b>Must order language option and media size.</b></p> <p>A language option (U.S. English) must be ordered.</p>	
	AAD	3.5-inch, 1.44-Mbytes discs	
D1318B		Microsoft Windows/286 for the HP Vectra PC (Version 2.1) 3.5-inch discs.	\$ 149.00✓
<b>Monitors</b>			
35743A		13-inch HP Enhanced Graphics Display	\$ 845.00
<b>Accessories</b>			
D1054A		1-Mbyte Memory Expansion Card	\$ 799.00☆
D1053A		8 MHz Intel 80C287 Numeric Coprocessor (CMOS)	\$ 799.00☆
D1052A		2400/1200/300 BPS Internal Modem	\$ 449.00☆
D1057A		48WHR NiCad Battery Pack	\$ 289.00☆
D1058A		External Battery Charger/AC Adapter	\$ 109.00☆
35178F		Carrying Case	\$ 99.00☆
92166K		Monitor Stand	\$ 59.00☆

Key: ✓ New price  
☆ New product

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**HP Vectra LS/12 Laptop personal computer products (continued)**

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Product number	Option	Description	Suggested list price
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**Data storage**

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92192X		1.44-Mbyte, 3.5-inch high-density, double sided micro-flexible discs; box of 10.	\$ 79.00
92192A		710/720-Kbyte, 3.5-inch double sided micro-flexible discs; box of 10.	\$ 39.00
92192N		710/720-Kbyte, 3.5-inch double sided micro-flexible discs; box of 100.	\$ 279.00

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**Cables**

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24542D		25-pin, M/36-pin M Centronics parallel printer cable, 2m.	\$ 55.00
24542G		9-pin, F/25-pin M serial printer/plotter cable, 3m.	\$ 60.00✓
24542H		9-pin, F/25-pin F serial cable for 7550A plotter, 3m.	\$ 60.00✓
24542M		9-pin, F/25-pin M US/European modem cable, 3m.	\$ 60.00✓
92219Z		25-pin, M/15-pin M for HP ThinkJet Printer, battery powered (Centronics)	\$ 55.00

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## HP Portable PLUS personal computer products

Product number	Option	Description	Suggested list price
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### HP Portable PLUS personal computers

The HP Portable PLUS personal computer comes with 512 Kbytes RAM, MS™-DOS 2.11, PAM, SECURE, HP Link, EDLIN and terminal emulation software. It features an RS-232C serial interface, an HP-IL interface and two expansion slots, plus a 25-line by 80-column, anti-glare enhanced LCD display and a full-sized keyboard with imbedded numeric keypad. Documentation, HP-IL cable, battery recharger and carrying case are included.

45711F		HP Portable PLUS PC with 512 Kbytes RAM.	\$ 2304.00✓
45711E		HP Portable PLUS PC with 512 Kbytes RAM and installed internal 300/1200-baud modem.	\$ 2834.00✓

### Data storage and media

#### HP-IL devices:

9114B		710-Kbyte, enhanced, battery-powered, portable disc drive with HP-IL interface.	\$ 677.00✓
88014B		Replacement battery pack for 9114A and 9114B battery-powered disc drives.	\$ 65.00

#### HP-IB Devices: Requires 82169A IL/IB interface converter

92192A		710-Kbyte, 3.5-inch double-sided flexible discs; box of 10.	\$ 39.00
92192N		710-Kbyte, 3.5-inch double-sided flexible discs; box of 100.	\$ 279.00

### Accessories

#### Interface and enhancement, Portable PLUS PC only:

82981A		128-Kbyte RAM drawer.	\$ 436.00✓
82992A		1-Mbyte RAM drawer.	\$ 1045.00✓
82982A		Software drawer.	\$ 168.00✓
82983A		300/1200-bps modem. Dealer- or CE-installable only.	\$ 530.00✓
82984A		128-Kbyte RAM card. 82981A 128-Kbyte RAM drawer required.	\$ 273.00✓
82985A		Video monitor interface.	\$ 467.00✓

#### Interface and enhancement, Portable PLUS and The PORTABLE PCs:

82164A		HP-IL/RS-232C interface adapter.	\$ 295.00
82165A		HP-IL/GPIO interface adapter.	\$ 295.00
82169A		HP-IL/HP-IB interface adapter.	\$ 395.00
92204F		Black Jack acoustic portable modular jack.	\$ 59.00

#### Power:

82059D		U.S. recharger, 110v.	\$ 20.00
82066B		European recharger, 220v.	\$ 25.00
82067B		UK recharger, 240v.	\$ 30.00

#### Miscellaneous:

13269K		Vinyl carrying case.	\$ 29.00
13269V		Cordura carrying case.	\$ 110.00
13269Z		Leather soft-sided briefcase.	\$ 89.00
92189A		Blank function key overlays, package of 5.	\$ 25.00

Key: ✓ New price  
☆ New product

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**HP Portable PLUS personal computer products (continued)**

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Product number	Option	Description	Suggested list price
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**Cables**

82167A		HP-IL cable, .5m.	\$ 6.00
82167B		HP-IL cable, 1m.	\$ 8.00
82167D		HP-IL cable, 5m.	\$ 10.00
92221M		9-pin, M/25-pin M serial modem cable.	\$ 40.00
92221P		9-pin, M/25-pin M serial printer/plotter cable.	\$ 42.00

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**Documentation and training**

45419C		Programmer's tools for The PORTABLE and HP Portable PLUS PCs, Rev. A.01.00.	\$ 325.00
45559K		Technical reference manual for HP Portable PLUS, Edition 2.	\$ 131.00 ✓
50921T		SNA Link/3270 for the HP Portable PLUS.	\$ 100.00

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**Application software for HP Portable PLUS PC**      *refer to pages 18-19*

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## HP Touchscreen personal computer products

Product number	Option	Description	Suggested list price
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### The HP Touchscreen II personal computer

The HP Touchscreen II personal computer has a high-resolution display with built-in tilt, full-function keyboard with numeric keypad, 256 Kbytes RAM, RS-232C port, RS-232C/RS-422 port, HP-IB port and four expansion slots. Also featured are MS-DOS 3.2, the Personal Applications Manager (PAM), additional utility programs, HP-IB cable and documentation.

45851A		HP Touchscreen II personal computer.	\$ 2868.00 ✓
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### System software

45875A		Microsoft Windows for the HP 150/Touchscreen PC Version 1.03.	\$ 190.00
45849-63024		HP Touchscreen Operating System and Firmware upgrade kit. Upgrades all HP 150A/150B/Touchscreen PCs to MS-DOS 3.2; includes enhanced Touchscreen II firmware. Service authorized dealer- or CE-installable.	\$ 140.00
45849-63031		HP Touchscreen Operating System Upgrade Kit. Upgrades ROM version B or newer HP 150A/150B/Touchscreen PCs to MS-DOS 3.2. User-installable.	\$ 85.00

### Data storage\*

<b>Primary:</b>			
9123D		Dual 710 Kbyte-per-drive, 3.5-inch flexible disc drive (for HP Touchscreen II only).	\$ 1005.00
9153C		10-, 20- or 40-Mbyte hard disc drive with optional 3.5-inch flexible disc drive.	
	010	10-Mbyte hard disc drive with 3.5-inch flexible disc drive.	\$ 1980.00
	011	10-Mbyte add-on hard disc drive.	\$ 1725.00
	020	20-Mbyte hard disc drive with 3.5-inch flexible disc drive.	\$ 2795.00
	021	20-Mbyte add-on hard disc drive.	\$ 2435.00
	040	40-Mbyte hard disc drive with 3.5-inch flexible disc drive.	\$ 3640.00
	041	40-Mbyte add-on hard disc drive.	\$ 3305.00
<b>Add-on:</b>			
9127A		Single 5.25-inch, HP/IBM-format disc drive for data exchange with the HP Vectra PC and IBM PC family.	\$ 1090.00
9153M		20-Mbyte hard disc mechanism to upgrade 9153C capacity (only for 9153C Options 010, 011, 020, 021).	\$ 1015.00
9144A	150	67-Mbyte .25-inch cartridge tape drive. Tape back-up utility.	\$ 2350.00
<b>Media:</b>			
92192A		710-Kbyte, 3.5-inch double-sided flexible discs; box of 10.	\$ 39.00
92192X		1.44-Mbyte 3.5-inch, high-density, double-sided micro-flexible discs; box of 10.	\$ 79.00
92192N		710 Kbyte, 3.5-inch double-sided flexible discs; box of 100.	\$ 279.00
92190A		360-Kbyte, 5.25-inch double-sided flexible discs; box of 10.	\$ 25.00
88140LC		67-Mbyte tape cartridges for the 9144A .25-inch cartridge tape drive; box of 5.	\$ 219.00
88140SC		16-Mbyte tape cartridge for the 9144A .25-inch cartridge tape drive; box of 5.	\$ 169.00

\*All capacities indicated are formatted unless otherwise noted.

Key: ✓ New price  
 ☆ New product

## HP Touchscreen personal computer products (continued)

Product number	Option	Description	Suggested list price
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### Accessories

#### **Interface and enhancement:**

35723A		HP Touch accessory. User-installable; 92241A HP-HIL cable included.	\$ 530.00
45890A		512-Kbyte expanded memory board. Expandable to 2 Mbytes with 45891A 256-Kbyte expanded memory upgrade kit.	\$ 745.00
45891A		256-Kbyte expanded memory upgrade kit. 45890A 512-Kbyte expanded memory board required.	\$ 195.00
45632A		384-Kbyte memory board.	\$ 395.00
45885A		Numeric coprocessor (Intel 8087).	\$ 640.00
45640A		Internal 300/1200-bps modem card. Bell 212A compatible.	\$ 510.00
45641B		IBM 3278 emulation accessory card with file transfer.	\$ 1260.00
45643A		Extended I/O accessory card for HP-IL and Centronics parallel interface.	\$ 195.00

#### **HP-HIL:**

45911A		HP graphics tablet.	\$ 510.00
45914A		HP-HIL accessory board for the HP 150A/B.	\$ 165.00
45915A		HP-HIL accessory board with 384 Kbytes RAM for the HP 150A/B PCs.	\$ 475.00
46060A		HP Mouse.	\$ 148.00
46080A		HP-HIL extension module 8 feet. Cable included.	\$ 89.00
46087A		A-size digitizer tablet (8.5 inches × 11 inches).	\$ 850.00
46088A		B-size digitizer tablet (11 inches × 17 inches).	\$ 1365.00
92916A		HP-HIL bar code reader.	\$ 625.00

#### **Miscellaneous:**

13269BB		Cordura carrying case for the HP Touchscreen II keyboard and disc drive.	\$ 190.00
13269C		Vinyl carrying case for the HP 150A/B PCs and 9122D dual flexible disc drive.	\$ 140.00
92171J		Keyboard park.	\$ 75.00
92240B		Swivel base for HP Touchscreen PCs.	\$ 40.00
92250K		Dust cover for HP Touchscreen II PCs.	\$ 29.00

### Cables

#### **Printer/plotter:**

10833A		HP-IB cable, 1m.	\$ 80.00
10833B		HP-IB cable, 2m.	\$ 90.00
13242D		Centronics cable for HP 150 system I/O accessories	\$ 55.00
13242G		25-pin M/25-pin M serial printer/plotter cable, .5m.	\$ 69.00
17255D		25-pin M/25-pin F serial cable for 7550A plotter, 1.5m.	\$ 40.00
17255M		25-pin M/25-pin M serial printer/plotter cable, 1.5m.	\$ 40.00

#### **Modem:**

13242N		25-pin M/25-pin M serial cable for U.S. modem or direct connection to HP 3000 ADCC port, 5m.	\$ 110.00
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**HP Touchscreen personal computer products (continued)**

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Product number	Option	Description	Suggested list price
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**Cables (continued)**

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		<b>HP 3000:</b>	
13242X		25-pin M/3-pin M RS-232 serial cable for HP 3000 ADCC port, 5m.	\$ 80.00
13242P		25-pin M/5-pin, M RS-422 serial cable for HP 3000 ATP port, 5m.	\$ 79.00
13242N		25-pin M/25-pin, M serial cable for direct connection to HP 3000 ADCC port or U.S. modem, 5m.	\$ 110.00
		<b>Converters:</b>	
92224F		Female gender converter. 25-pin RS-232C shielded.	\$ 25.00
92224M		Male gender converter. 25-pin RS-232C shielded.	\$ 25.00

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**Documentation**

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45624A		MS-DOS 2.11 User's Guide for HP Touchscreen personal computers.	\$ 55.00
45625A		HP Touchscreen/Touchscreen MAX Technical Reference Manual.	\$ 65.00
45848-60001		HP Touchscreen II Terminal Manual.	\$ 27.00
45918A		HP-HIL Technical Reference Manual.	\$ 45.00
45919A		HP-HIL Developer's Tools for the HP Touchscreen PC. 45918A HP-HIL Technical Reference Manual included.	\$ 90.00

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**Training**

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		<b>HP FastTrak manuals:</b>	
		HP FastTrak manuals are comprehensive self-study training for user support personnel. All the information you need to become an expert user. HP FastTrak manuals are available for the following products:	
89915F		Executive Memomaker.	\$ 95.00
68352X		The Gallery Collection.	\$ 170.00

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## Application software for HP Portable PLUS and HP Touchscreen personal computers

Product number	Option	Description	The PORTABLE	HP Portable PLUS	HP Touchscreen	Suggested list price
<b>Communication/terminal emulation</b>						
45412A		VT-100 terminal emulator.			•	\$ 190.00
45431A		AdvanceLink, version A.04.04.			•	\$ 300.00
82863K	400	REFLECTION 1 Rev.A. Includes one plug-in ROM; 144-Kbytes RAM required.		•		\$ 436.00 ✓
82867K	630	YTERM Rev.1.2.		•		\$ 110.00 ✓
<b>Database/file management</b>						
45421A		Executive Card Manager/150 A.02.02.			•	\$ 315.00 ✓
45441D		Executive Card Manager/150 A.01.02: templates.		•	•	\$ 130.00
45555K	400	Executive Card Manager, A.02.00. Includes two plug-in ROMs; 192 Kbytes RAM required.		•		\$ 341.00 ✓
45563A		R:Base 5000/150 1.01. 512 Kbytes RAM required.			•	\$ 572.00 ✓
<b>Development/utilities</b>						
45445D		BASIC by Microsoft.	•		•	\$ 325.00
82862K	400	BASIC by Microsoft, A.01.00 Includes one plug-in ROM; 128 Kbytes RAM required.		•		\$ 331.00 ✓
45310A		BASIC Programmer's library.			•	\$ 120.00
45448A		COBOL by Microsoft.			•	\$ 805.00
45446D		Compiled BASIC by Microsoft.	•	•	•	\$ 425.00
92248BA		Cross Reference utility.			•	\$ 55.00
45449D		FORTTRAN by Microsoft.	•	•	•	\$ 425.00
45450D		GW BASIC by Microsoft.	•	•	•	\$ 425.00
45447D		Pascal by Microsoft.	•	•	•	\$ 380.00
45419C		Programmer's tools.	•	•		\$ 325.00
<b>Electronic spreadsheets</b>						
45539K	400	Lotus® 1-2-3® 2.01. Includes three plug-in ROMs; 152-Kbytes RAM required.		•		\$ 520.00 ✓
45566A		1-2-3® from Lotus® 2.01.			•	\$ 625.00 ✓
<b>Entertainment</b>						
92243EA*		Type Attack™.			•	\$ 39.95

\*Independent software vendor support only.

Key: ✓ New price  
☆ New product

## Application software for HP Portable PLUS and HP Touchscreen personal computers (con't)

Product number	Option	Description	The PORTABLE	HP Portable PLUS	HP Touchscreen	Suggested list price
<b>Graphics</b>						
45437A		The Gallery Collection. Includes Charting Gallery, Drawing Gallery, and Business Management Portfolio; 384-Kbytes RAM and mouse required B.03.00.			•	\$ 730.00✓
45568A		Office Activities Portfolio for Drawing Gallery A.01.00.			•	\$ 95.00
45570A		Business Management Portfolio for Drawing Gallery, A.01.01.			•	\$ 95.00
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