

# HEWLETT-PACKARD

## Personal Computer Products Dealer Price Guide

Prices effective 10/88

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## HOW TO ORDER

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Consistent with the new HP Corporate numbering system, all HP Vectra personal computers are now offered with D1xxxA product numbers and localized product options. To order a complete HP Vectra personal computer, simply order the HP Vectra PC product number with the correct option and the appropriate monitor, operating system and accessories. See the HP Vectra PC Configuration Guide (5952-6424D) for details.

### To order:

**HP Vectra PC**

product no.:  
P/N D1xxxA

(must order)  
OPT. ABA

### Ordering examples

#### To purchase:

HP Vectra CS Model 26 PC\*

HP Vectra ES/12 Model 46 PC\*

HP Vectra QS/16 Model 46 PC\*

HP Vectra RS/20 Model 300 PC\*

#### Order:

P/N D1126A  
OPT. ABA

P/N D1346A  
OPT. ABA

P/N D1402A  
OPT. ABA

P/N D1604A  
OPT. ABA

\*Complete the system by purchasing the HP monitor, operating system, and other accessories. See the HP Vectra Personal Computer Configuration Guide (5952-6424D) for details.

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## HP Vectra personal computer products

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The HP Vectra personal computers are a family of high-performance PCs designed to provide hardware and software compatibility with industry standards. Members of the HP Vectra PC family include:

- The **HP Vectra CS PC**, with a 7.16-MHz processor, compatible with the Intel 8086.
- The **HP Vectra ES PC**, with an 8-MHz 80286 processor.
- The **HP Vectra ES/12 PC**, with a 12-MHz 80286 processor.
- The **HP Vectra QS/16 PC**, with a 16-MHz 80386 processor.
- The **HP Vectra RS/16 PC**, with a 16-MHz 80386 processor.
- The **HP Vectra RS/20 PC**, with a 20-MHz 80386 processor.
- The **HP Portable Vectra CS PC**, a battery-powered portable computer, with a 7.16-MHz processor, compatible with the Intel 8086.

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 following page. The features common to each personal computer member are also described below.

### **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.

Video adapter cards and disc storage vary per model. These are described in the Product Matrix on page 2.

### **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.

Video adapter cards and disc storage for the HP Vectra ES and ES/12 PC are included as indicated in the Product Matrix on the following page.

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

The HP Vectra QS/16 PC includes a 16-MHz 80386 processor, 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.

Video adapter cards and disc storage for the HP Vectra QS/16 PC are included as indicated in the Product Matrix on the following page.

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

Each of the HP Vectra RS/16 PC models include a 16-MHz 80386 processor, hard disc 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.

System memory, video adapter cards and hard disc storage are included as indicated. The HP Vectra RS/20 Power PC is described on the following page.

## HP Vectra personal computer products (continued)

### HP Vectra RS/20 Personal Computer:

The HP Vectra RS/20 features a 20-MHz 80386 processor. Also included is a hard disc 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.

System memory, video adapter cards and hard disc storage are included as indicated in the Product Matrix below.

### HP Portable Vectra CS personal computer:

The HP Portable Vectra CS PCs are a part of Hewlett-Packard's growing line of industry-standard personal computers. 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.

PC	Model Number	Product Number	Price	Processor	Standard RAM	Package Type	Flexible Disc size/(Mbytes)	Hard Disc (Mbytes)	Video Graphics Adapter (VGA)	
CS	Model 10	D1110A	\$1,195.00	8086	640 KB	D	5.25-in. (360-KB)		none	
	Model 15	D1115A	\$1,295.00	compatible	640 KB	D	3.5-in. (1.44-MB)		none	
	*Model 16	D1116A	\$1,695.00		640 KB	D	2 5.25-in. (360-KB)		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	\$2,395.00		80286	640 KB	D	5.25-in. (1.2-MB)		none
	*Model 15	D1215A	\$2,395.00	(8-MHz)	640 KB	D	3.5-in. (1.44-MB)		none	
	*Model 20	D1220A	\$2,795.00		640 KB	D	5.25-in. (1.2-MB)	20	none	
	Model 26	D1226A	\$3,195.00		640 KB	D	5.25-in. (1.2-MB)	20	VGA	
	Model 27	D1227A	\$3,195.00		640 KB	D	3.5-in. (1.44-MB)	20	VGA	
ES/12	Model 10	D1310A	\$2,795.00		80286	640 KB	D	5.25-in. (1.2-MB)		none
	Model 15	D1315A	\$2,795.00	(12-MHz)	640 KB	D	3.5-in. (1.44-MB)		none	
	*Model 20	D1320A	\$3,195.00		640 KB	D	5.25-in. (1.2-MB)	20	none	
	Model 26	D1326A	\$3,595.00		640 KB	D	5.25-in. (1.2-MB)	20	VGA	
	Model 27	D1327A	\$3,595.00		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
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/16	Model 40	D1500A	\$5,995.00	80386		1 MB	F	5.25-in. (1.2-MB)	40	none
	*Model 100	D1502A	\$6,995.00	(16-MHz)	2 MB	F	5.25-in. (1.2-MB)	103	none	
	*Model 106	D1501A	\$7,395.00		2 MB	F	5.25-in. (1.2-MB)	103	VGA	
RS/20	Model 40	D1600A	\$6,595.00		80386	1 MB	F	5.25-in. (1.2-MB)	40	none
	Model 100	D1602A	\$7,595.00	(20-MHz)	2 MB	F	5.25-in. (1.2-MB)	103	none	
	Model 106	D1601A	\$7,995.00		2 MB	F	5.25-in. (1.2-MB)	103	VGA	
	Model 150	D1603A	\$8,195.00		2 MB	F	5.25-in. (1.2-MB)	155	none	
	Model 300	D1604A	\$10,495.00		2 MB	F	5.25-in. (1.2-MB)	310	none	
	Power User	D1606B	\$13,095.00		4 MB	F	5.25-in. (1.2-MB)/ 3.5-in. (1.44-MB)	103	VGA	
									plus 512K Video RAM	
Portable Vectra CS	Portable CS	D1001A	\$2,495.00	8086	640 KB	P	2 3.5-in. (1.44-MB)		none	
	Model 20	D1009A	\$3,675.00	compatible	640 KB	P	3.5-in. (1.44-MB)	20	none	

D = Desktop F = Floor mount P = Portable

\*Built to order

Key: ✓ New price  
☆ New product

## HP Vectra personal computer products (continued)

Product number	Description	Suggested list price
<b>The HP Vectra RS/20 Power User PC</b>		
D1606B	<b>HP Vectra RS/20 Power User PC.</b> Includes HP Vectra RS/20 PC with 4-Mbyte system memory, 103-Mbyte ESDI hard disc, 3 serial ports, one parallel port, 80387 Numeric Coprocessor, VGA card and monitor, 5.25-inch, 1.2-Mbyte flexible disc drive, 3.5-inch, 1-44-Mbyte flexible disc drive, Flexible Disc Expander, HP Mouse, HP Vectra DOS 3.3, and Microsoft Windows/386.	\$13095.00 ✓
<i>Option</i>		
ABA	<b>PC Personality Pack—U.S. English</b> (can be ordered with the HP Vectra RS/20 Power User PC).	\$ 0.00
<b>System software</b>		
45951D	HP Vectra MS-DOS 3.3 includes 5.25-inch discs and manuals, Personal Applications Manager (PAM), File Manager, and multiple character set utilities.	\$ 120.00
45951E	HP Vectra MS-DOS 3.3 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 Vectra CS or pre-Vectra ES PCs.	\$ 325.00
<i>Option</i>	■ <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
45954B	Microsoft Windows for the HP Vectra PC (Version 2.0) 5.25-inch, flexible discs.	\$ 149.00
45954C	Microsoft Windows for the HP Vectra PC (Version 2.0.) 3.5-inch flexible disc.	\$ 149.00
<b>HP Vectra QS/16 and RS System Software</b>		
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
<i>Option</i>		
ABA	U.S. English Version	\$ 0.00
<b>Monitors and video adapters</b>		
<b>VGA:</b>		
D1180A	HP Video Graphics Adapter	\$ 445.00
Opt. 1A7	Additional 256KB of RAM for VGA	\$ 150.00
D1181A	VGA monochrome display (amber)	\$ 250.00
Opt. ABA	U.S. power cord	\$ 0.00
D1181G	VGA monochrome display (green)	\$ 250.00
Opt. ABA	U.S. power cord	\$ 0.00

Key: ✓ New price  
☆ New product

## HP Vectra personal computer products (continued)

Product number	Description	Suggested list price
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### Monitors and video adapters (continued)

<b>VGA (continued):</b>		
D1181W	VGA monochrome display (soft white)	\$ 250.00
Opt. ABA	U.S. power cord	\$ 0.00
D1182A	VGA color display	\$ 695.00
Opt. ABA	U.S. power cord	\$ 0.00
82959S	Tilt/swivel base for D1182A display.	\$ 95.00
D1183A	HP Touchscreen Plus Bezel	\$ 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
<b>Monochrome:</b>		
45981A	Multimode video adapter.	\$ 325.00
35731A	12-inch Monochrome monitor (45981A Multimode video adapter required).	\$ 325.00
<b>Color:</b>		
45984A	Multimode color adapter.	\$ 50.00
35741A	12-inch Color monitor (45981A Multimode video adapter and 45984A Multimode color adapter required).	\$ 1195.00
<b>Monochrome Plus:</b>		
35732A	HP Monochrome Plus video adapter. Compatible with IBM MDA, Hercules Graphics and IBM CGA.	\$ 325.00
35731D	12-inch HP Monochrome Plus video display. Compatible with IBM monochrome drivers (35732A Monochrome Plus video adapter required).	\$ 325.00
<b>Monitor cables:</b>		
D1030A	EGA video extension cable, 2m.	\$ 39.95
45741A	Monochrome video extension cable for 35731A, 3m.	\$ 12.00
45742A	Color video extension cable for 35741A, 3m.	\$ 35.00
D1184A	VGA video extension cable, 2m.	\$ 60.00

### Display terminal products

<p>The HP 700/44 display terminals are low-cost, full-featured terminals for multi-user environments. The terminals have 14-inch screens engineered to produce high-quality characters, a choice of phosphor colors and standard ergonomic features as tilt-and-swivel monitors and adjustable keyboards.</p>		
C1007A	HP 700/44 PC terminal user with multi-user PCs. (amber)	\$ 575.00
C1007G	HP 700/44 PC terminal user with multi-user PCs. (green)	\$ 575.00
C1007W	HP 700/44 PC terminal user with multi-user PCs. (soft white)	\$ 575.00
Option ABA	<p>■ <b>Must order language option</b></p> U.S. English kit	\$ 0.00

Key: ✓ New price  
☆ New product

## HP Vectra personal computer products (continued)

Product number	Description	Suggested list price
<b>Data Storage*</b>		
<i>Internal:</i>		
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/16, RS/16, and RS/20 PCs only.)	\$ 275.00
45813A	3.5-inch flexible disc drive. Provides 710-Kbyte, 720-Kbyte, and 1.44-Mbyte data interchange.	\$ 325.00
Opt 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, QS/16, RS/16 and RS/20. 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 with HP ESDI controller only.	\$ 2995.00
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 with HP ESDI controller only.	\$ 3595.00
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 with HP ESDI controller 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 (such as D1671A Tape Backup). Supported on HP Vectra RS PCs only.	\$ 125.00
<i>External (88500A Disc/Tape interface required):</i>		
9144A	67-Mbyte, .25-inch cartridge tape drive.	\$ 2350.00
88500A	Disc/tape interface (HP-IB cable and software included).	\$ 410.00
<i>Media:</i>		
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

\*All capacities indicated are formatted unless otherwise noted.

Key: ✓ New price  
 ☆ New product

## HP Vectra personal computer products (continued)

Product number	Description	Suggested list price
<b>Data Storage (continued)*</b>		
<b>Media (continued):</b>		
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

## Accessories\*\*

<b>Enhancements:</b>		
24530A	ROM Disc Accessory	\$ 240.00
Opt. 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.	
Opt. 001	1-Mbyte RAM installed	\$ 695.00
Opt. 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.	
Opt. 001	2 Mbyte installed on expanded memory card.	\$ 1695.00
Opt. 002	4 Mbyte installed on expanded memory card.	\$ 2795.00
Opt. 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.	\$ 1100.00
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.	\$ 450.00

\*All capacities indicated are formatted unless otherwise noted.

\*\*Unless otherwise noted, accessories work with HP Vectra CS, ES, ES/12, QS/16, RS/16, and RS/20 PCs.

Key: ✓ New price  
☆ New product



## HP Vectra personal computer products (continued)

Product number	Description	Suggested list price
<b>Accessories (continued)*</b>		
<b>Enhancements (continued):</b>		
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.	\$ 575.00✓
D1541A	8-Mbyte Memory Expansion Kit (100ns). For HP Vectra QS/16 and RS/16 PCs. Includes eight 100ns, 1Mbitx9 memory modules (SIMMS) to expand 2-Mbyte system to 10 Mbytes or 8-Mbyte system to 16 Mbytes.	\$ 4595.00
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 Kbitx9 memory modules (SIMMs) to expand 1-Mbyte system to 2 Mbyte. 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.	\$ 995.00✓
D1641A	8-Mbyte Memory Expansion Kit (80ns) (for HP Vectra RS/20 only). Includes eight 80ns, 1 Mbitx9 memory modules (SIMMs) to expand 2 Mbyte system to 10 Mbytes or 8 Mbyte system to 16 Mbytes.	\$ 7995.00
D1670A	HP Vectra RS/20 numeric coprocessor (20-MHz, Intel 80387).	\$ 1195.00
<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).	\$ 150.00
24541B	RS-232/422 dual serial interface (9-Pin M RS-232/25-Pin F RS-232/422).	\$ 220.00
24550A	Internal 1200-bps modem with Crosstalk XVI software. Bell 212A compatible.	\$ 400.00
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
50921A	SNA Link/3270 emulator.	\$ 1040.00
50922A	SNA Link/3270 software driver.	\$ 880.00
82973A	HP-IL portable-desktop link card.	\$ 165.00
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.	\$ 415.00
82990E	HP-IB command library software.	\$ 305.00
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).	\$ 95.00
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.	\$ 148.00

\*Unless otherwise noted, accessories work with HP Vectra CS, ES, ES/12, QS/16, RS/16, and RS/20 PCs.

Key: ✓ New price  
 ☆ New product

## HP Vectra personal computer products (continued)

Product number	Description	Suggested list price
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### Accessories (continued)\*

#### HP-HIL devices (continued):

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.	\$ 625.00
92916A	Bar code reader.	\$ 590.00

#### Miscellaneous:

35199A	Rack-mount shelf for desktop HP Vectra PC.	\$ 79.00
35178A	Cordura carrying case.	\$ 190.00
45986A	Security lock.	\$ 50.00
92166A	Keyboard park.	\$ 99.00
92171C	Keyboard drawer park	\$ 95.00
92259A	Dust cover set for monitor and keyboard. For use on the HP Vectra PC with monochrome monitor.	\$ 30.00
92259B	Dust cover set for monitor and keyboard. For use on the HP Vectra PC with color or EGA monitor.	\$ 30.00
92259K	Dust cover set for monitor and keyboard. For use on the HP Vectra CS, ES, ES/12, QS/16 or RS PCs with monochrome monitor.	\$ 35.00
92259L	Dust cover set for monitor and keyboard. For use on the HP Vectra CS, ES, ES/12, QS/16 or RS PCs with EGA monitor or VGA color monitor.	\$ 35.00
92259M	Dust cover set for monitor and keyboard. For use on the HP Vectra CS, ES, ES/12, QS/16 or RS PCs with VGA monochrome monitor.	\$ 35.00
C1405A	Enhanced HP Vectra PC keyboard/DIN (for use with HP Vectra CS, ES, QS/16, and RS PCs).	\$ 240.00☆
C1406A	HP Vectra PC keyboard/DIN (for use with HP Vectra ES and ES12 PCs only).	\$ 240.00
D1672A	HP Vectra RS Desktop Mounting Kit	\$ 65.00

### Cables

#### Printer/plotter:

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
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.	\$ 55.00
24542H	9-pin, F/25-pin F serial cable for 7550A plotter, 3m.	\$ 55.00

#### 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
24542M	9-pin, F/25-pin M cable for U.S./European modem cable, 3m.	\$ 55.00

#### HP-IB:

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

\*Unless otherwise noted, accessories work with HP Vectra CS, ES, ES/12, QS/16, RS/16, and RS/20 PCs.

Key: ✓ New price  
☆ New product

## HP Vectra personal computer products (continued)

Product number	Description	Suggested list price
<b>Cables (continued)</b>		
<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
<b>Documentation</b>		
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
<b>Software support services</b>		
45530A	The <i>HP PC Communicator</i> contains programming techniques, information on software updates, notes on using applications, and corrections for manuals. Also listed are known software problems and their solutions. (bi-monthly)	\$ 36.00/yr.
<b>Training</b>		
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
<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:		
68352X	The Gallery Collection.	\$ 170.00
89915F	Executive Memomaker	\$ 95.00
<b>Application software</b>		
<b>Database/file management:</b>		
68331F*	Executive Card Manager A.01.08.	\$ 300.00
68335F*	Executive Card Manager: templates A.01.02.	\$ 130.00

\*Order option 003 for 3.5-inch media.

Key: ✓ New price  
 ☆ New product

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**HP Vectra personal computer products (continued)**

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Product number	Description	Suggested list price
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**Application software (continued)**

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**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
Opt. 100**	AdvancePrint (5.25-inch media)	\$ 125.00
Opt. 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.	\$ 295.00

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\*Order option 003 for 3.5-inch media.

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

## HP Portable Vectra CS personal computer products\*

Product number	Description	Suggested list price
<b>System Software</b>		
45951E	HP Vectra Disc Operating System (DOS) 3.3. (3.5-inch media)	\$ 120.00
45954C	Microsoft Windows for the HP Vectra PC (Version 2.0) 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
Opt. 001	1-Mbyte EMS RAM installed.	\$ 815.00 ✓
Opt. 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.	\$ 55.00
24542H	9-pin, F/25-pin F serial cable for 7550A plotter, 3m.	\$ 55.00
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.	\$ 55.00
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	Description	Suggested list price
<b>Software support services</b>		
45530A	The <i>HP PC Communicator</i> contains programming techniques, information on software updates, notes on using applications, and corrections for manuals. Also listed are known software problems and their solutions. (bi-monthly)	\$ 36.00/yr.

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**Application software**

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<b>Communications:</b>		
68333F Opt. 003	AdvanceLink.	\$ 325.00
<b>Database/File Management:</b>		
68331F Opt. 003	Executive Card Manager.	\$ 300.00
<b>Graphics:</b>		
68352F Opt. 003	The Gallery Collection.	\$ 695.00
68324F Opt. 003	Office Activities Portfolio for Drawing Gallery	\$ 95.00
68326F Opt. 003	Business Management Portfolio for Drawing Gallery	\$ 95.00
68327F Opt. 003	HPDraw Figures Portfolio for Drawing Gallery.	\$ 195.00
68325F Opt. 003	Chemical/PetroChemical Portfolio for Drawing Gallery	\$ 150.00
<b>Word Processing:</b>		
68330F	Executive MemoMaker.	\$ 295.00

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

## HP Portable PLUS personal computer products

Product number	Description	Suggested list price
<b>HP Portable PLUS personal computers</b>		
	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.	\$ 2195.00
45711E	HP Portable PLUS PC with 512 Kbytes RAM and installed internal 300/1200-baud modem.	\$ 2700.00

### Data storage and media

<b>HP-IL devices:</b>		
9114B	710-Kbyte, enhanced, battery-powered, portable disc drive with HP-IL interface.	\$ 645.00
88014B	Replacement battery pack for 9114A and 9114B battery-powered disc drives.	\$ 65.00
<b>HP-IB Devices: Requires 82169A IL/IB interface converter</b>		
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

<b>Interface and enhancement, Portable PLUS PC only:</b>		
82981A	128-Kbyte RAM drawer.	\$ 415.00
82992A	1-Mbyte RAM drawer.	\$ 995.00
82982A	Software drawer.	\$ 160.00
82983A	300/1200-bps modem. Dealer- or CE-installable only.	\$ 505.00
82984A	128-Kbyte RAM card. 82981A 128-Kbyte RAM drawer required.	\$ 260.00
82985A	Video monitor interface.	\$ 445.00
<b>Interface and enhancement, Portable PLUS and The PORTABLE PCs:</b>		
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
<b>Power:</b>		
82059D	U.S. recharger, 110v.	\$ 20.00
82066B	European recharger, 220v.	\$ 25.00
82067B	UK recharger, 240v.	\$ 30.00
<b>Miscellaneous:</b>		
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	Description	Suggested list price
<b>Cables</b>		
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**

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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.	\$ 125.00
50921T	SNA Link/3270 for the HP Portable PLUS.	\$ 100.00

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**Software support services**

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45530A	The <i>HP PC Communicator</i> is the heart of HP's support program for personal computers and software. The magazine contains programming techniques, information on software updates, notes on using applications, and corrections for manuals. The <i>HP PC Communicator</i> also lists known software problems and their solutions, and introduces new members of the HP PC family. (bi-monthly)	\$ 36.00/yr.
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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	Description	Suggested list price
<b>The HP Touchscreen II personal computer</b>		
	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.	\$ 2610.00
<b>System software</b>		
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
<b>Data storage*</b>		
<i>Primary:</i>		
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.	
Opt. 010	10-Mbyte hard disc drive with 3.5-inch flexible disc drive.	\$ 1980.00
Opt. 011	10-Mbyte add-on hard disc drive.	\$ 1725.00
Opt. 020	20-Mbyte hard disc drive with 3.5-inch flexible disc drive.	\$ 2795.00
Opt. 021	20-Mbyte add-on hard disc drive.	\$ 2435.00
Opt. 040	40-Mbyte hard disc drive with 3.5-inch flexible disc drive.	\$ 3640.00
Opt. 041	40-Mbyte add-on hard disc drive.	\$ 3305.00
<i>Add-on:</i>		
9122S	Single 710-Kbyte, 3.5-inch flexible disc drive.	\$ 1150.00
9122D	Dual 710-Kbyte-per-drive, 3.5-inch flexible disc drive.	\$ 1465.00
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	67-Mbyte .25-inch cartridge tape drive.	\$ 2350.00
Opt. 150	Tape back-up utility.	
<b>Accessories</b>		
<i>Media:</i>		
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

\*All capacities indicated are formatted unless otherwise noted.

Key: ✓ New price  
☆ New product

## HP Touchscreen personal computer products (continued)

Product number	Description	Suggested list price
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### Accessories (continued)

<b>Media (continued):</b>		
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
<b>Interface and enhancement:</b>		
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
<b>HP-HIL:</b>		
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
<b>Miscellaneous:</b>		
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

<b>Printer/plotter:</b>		
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

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**HP Touchscreen personal computer products (continued)**

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

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**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 3000:**

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

**Converters:**

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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**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:

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

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**Software support services**

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45530A	The <i>HP PC Communicator</i> contains programming techniques, information on software updates, notes on using applications, and corrections for manuals. Also listed are known software problems and their solutions. (bi-monthly)	\$ 36.00/yr.
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Key: ✓ New price  
☆ New product

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

Product number	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 Opt. 400	REFLECTION 1 Rev.A. Includes one plug-in ROM; 144-Kbytes RAM required.		•		\$ 415.00
82867K Opt. 630	YTERM Rev.1.2.		•		\$ 105.00
<b>Database/file management</b>					
45421A	Executive Card Manager/150 A.02.02.			•	\$ 300.00
45441D	Executive Card Manager/150 A.01.02: templates.		•	•	\$ 130.00
45555K Opt. 400	Executive Card Manager, Rev.A.02.00. Includes two plug-in ROMs; 192 Kbytes RAM required.		•		\$ 325.00
45563A	R:Base 5000/150 1.01. 512 Kbytes RAM required.			•	\$ 545.00
<b>Development/utilities</b>					
45445D	BASIC by Microsoft.	•		•	\$ 325.00
82862K Opt. 400	BASIC by Microsoft Rev.A.01.00 Includes one plug-in ROM; 128 Kbytes RAM required.		•		\$ 315.00
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	FORTRAN 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 Opt. 400	Lotus® 1-2-3® 2.01. Includes three plug-in ROMs; 152-Kbytes RAM required.		•		\$ 495.00
45566A	1-2-3® from Lotus® 2.01.			•	\$ 595.00
45498A	Symphony® from Lotus® 1.1 384-Kbytes RAM required.			•	\$ 765.00
<b>Entertainment</b>					
92243EA*	Type Attack™.			•	\$ 39.95

\*Independent software vendor support only.

USA:

Hewlett-Packard  
19091 Pruneridge Avenue  
Cupertino, CA 95014

Hewlett-Packard  
4 Choke Cherry Road  
Rockville, MD 20850

Hewlett-Packard  
5201 Tollview Drive  
Rolling Meadows, IL 60008

Hewlett-Packard  
5161 Lankershim Blvd.  
North Hollywood, CA 91601

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