

HP 9000 Workstations

Price Guide

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About this document

This price guide is designed to help you find and use pricing information about HP 9000 Workstations quickly and easily. It is organized into sections containing information on hardware, operating systems, software capabilities, peripherals and support services.

The HP 9000 Family

The HP 9000 family of computing systems consists of a variety of workstations, network servers and instrument controllers, as well as modular components that allow you to select a system matched to your needs.

HP 9000 computing systems are based on two different processor families: The Series 800 uses HP Precision-Architecture (RISC-based); the Series 300 uses the Motorola MC 680X0 32-bit microprocessor and its own companion MC 68881/2 Floating Point Processor.

HP's broad range of workstations combine different levels of graphics and system processing power appropriate for different applications. Application code is source-code compatible between the Series 300 and the Series 800 and object-code compatible within each Series.

The Series 300 is a modular family of high performance technical workstations designed for computer-aided design and instrument control applications. Two levels of product structure are available:

- Preconfigured workstations and network servers include the components most likely needed for typical applications.
- Individual component products for customized requirements including processors with different performance levels, display systems, memory boards, interface cards, operating systems and peripherals.

The Series 800 family is offered as pre-configured systems meeting the minimum configuration requirements for a variety of applications. System memory options may be ordered in multiple quantities. Additional components are added to make up a complete system.

Instant Ignition

The Instant Ignition option includes preloaded and preconfigured versions of the HP-UX* operating system and the X Window System, allowing immediate start-up for instant productivity.

NOTE: For complete configuration information, please refer to the following publications: HP 9000 Workstations Configuration Guide, Pub. No. 5954-8594; HP 9000 Series 800 Configuration Guide, Pub. No. 5954-8588; and the HP-UX Operating System Technical

* The HP-UX operating system complies with the UNIX System V Interface Definition, X/Open and POSIX specifications and will be fully compliant with OSF. UNIX is a registered trademark of AT&T in the U.S. and other countries.

HP 9000 Localization

HP 9000 Series 300 and Series 800 Workstations are available in the following localized versions. The localization option is a must order option. The localized versions include localized keyboard, monitor, SPU, power cord, and applicable manuals. This localization scheme also applies to the HP-HIL keyboards. The price does not change. **To order the localized version, include the appropriate option number.**

For example, to order a German version of the Model 340 Low-cost Color Workstation, order 98564C + Opt. ABD (workstation product number plus Opt. ABD for the German version).

Option Language

ABA	.. U.S. English
ABC	.. Canadian French
ABD	.. German
ABE	.. European Spanish
ABF	.. European French
ABH	.. Dutch
ABJ	.. Katakana
ABK	.. ICON/European ASCII
ABM	.. Latin Spanish
ABN	.. Norwegian
ABP	.. Swiss German
ABQ	.. Swiss French
ABS	.. Swedish
ABU	.. U.K. English
ABW	.. Belgian Dutch
ABX	.. Finnish
ABY	.. Danish
ABZ	.. Italian
ACA	.. Kanji (HP-UX only)
AB0	.. Taiwan (Trad. Chinese)
AB1	.. Korean

Cables for HP-IB, keyboard, and video

All Series 300 workstations and Series 800 workstations come with a 1-meter HP-IB cable and a coiled HP-HIL keyboard cable. The appropriate video cable is shipped with each video or graphics board.

How the workstations pricing is organized

1. HP 9000 workstations are arranged in ascending order of functionality. There are seven models:

1. Model 340
2. Model 345
3. Model 360
4. Model 370
5. Model 375
6. Model 834
7. Model 835

2. Graphics subsystems are arranged in ascending order of functionality:

M	Monochrome (1024x768) 17" monitor
MH	High-performance monochrome (1280x1024), 19" monitor
C+	Mid-range color (1024x768), 16"/19" monitors
CH	High-performance color (1280x1024), 16"/19" monitors
CHX	Accelerated color (1280x1024) 16"/19" monitors
SRX	Entry-level 3D (1280x1024), 16"/19" monitors
TurboSRX	High-performance 3D (1280x1024), 16"/19" monitors

3. HP 9000 workstations consist of an SPU, graphics subsystems, keyboard or input devices, operating software license and options. Within each model, pricing information is grouped in the following categories:

1. SPU - what is included
2. SPU Common Options (select)
3. Common Components (included)
4. Common Options to the Workstations (select)
5. Workstation Bundles (select)
6. Options unique to the Bundle (select)

4. Localization (This is must order option. See page 2 to select the appropriate language option number.)

Model 340 Workstations

Series 300 Configurable Workstations

Models 340, 345, 360, 370 and 375 with several I/O slots available, offer exceptional

configurability that allows these systems to be tailored to each

application and enable expansion to meet future needs.

Model 340 Workstations (M, MH, C+, CH, CHX, SRX)

All Model 340 Workstations consist of a SPU, graphics subsystem, keyboard and operating software license. The structure and numbering are as follows: (The SPU is not orderable separately.)

Product/Opt. No.	Component	Description	Price
		340 SPU	N/A
		Model 340 SPU which includes:	
		• MC68030, 16.67MHz	
		• MC68882 Floating Point Coprocessor, 16.67 MHz	
		• 4 Mbytes parity-checking RAM, expandable to 16 Mbytes	
		• 4 Gbytes virtual memory address space	
		• 32-bit memory bus	
		• IEEE-488 HP-IB interface with two-channel DMA controller (order HP-IB cable separately)	
		• RS-232C serial interface with DB25 connector	
		• IEEE 802.3/Ethernet LAN interface	
		• HP-HIL interface with cable	
		• Built-in speaker	
98594L		HP-UX 7.0 License-to-use AXE, PE, NS, ARPA, NFS, LAN Link functionality, X/11, and OSF/Motif	
	Keyboard	Note: Must specify one keyboard option.	

Options Common to All Model 340 Workstations

Product/Opt. No.	Component	Description	Price
Opt. 006*§		Add one DIO slot	\$750.
Opt. 010*		Add 98625B High Speed HP-IB Disk Interface (includes Opt. 006).	1,495.
Opt. 011*		Add 98658A SCSI single-ended board with 1m cable and terminator (includes Opt. 006)	1,250.
Opt. 015**		IEEE 802.3/Ethernet AUI LAN interface (used for ThickLAN, ThinLAN or StarLAN 10). (Must order MAU separately.)	N/C
Opt. 017**		IEEE 802.3/Ethernet LAN interface with ThinMAU and BNC "T" connector	N/C
Opt. 061		Add 46060B HP-HIL 3-button mouse	180.
Opt. 084		Add 46084A HP-HIL ID module	195.
Opt. 108†		Add 4 Mbytes RAM for a total of 8 Mbytes RAM	3,000.
Opt. 112†		Add 8 Mbytes RAM for a total of 12 Mbytes RAM	6,000.
Opt. 116†		Add 12 Mbytes RAM for a total of 16 Mbytes RAM	9,000.
Opt. 404††		162 Mbytes SCSI disk drive with Instant Ignition	3,800.
Opt. 405††		323 Mbytes SCSI disk drive with Instant Ignition	5,600.
Opt. 408††		162 Mbyte SCSI disk with Instant Ignition and 67 Mbyte 1/4-inch cartridge tape drive	5,800.
Opt. 409††		323 Mbyte SCSI disk with Instant Ignition and 67 Mbyte 1/4-inch cartridge tape drive	7,600.
Opt. 410††		323 Mbyte SCSI disk with Instant Ignition and 133 Mbyte 1/4-inch cartridge tape drive	8,600.
Opt. 412††		Add 200 Mbyte internal SCSI disk drive with Instant Ignition.	3,250.

* Options 006, 010 and 011 cannot be ordered concurrently.

** Must order Option 015 or 017; options cannot be ordered concurrently.

† Option 108, 112 and 116 cannot be ordered concurrently.

†† Options 404, 405, 409, 410 and 412 cannot be ordered concurrently. These options require Opt. 061. Options 404, 405, 409, and 410 require Option 011.

§ Opt. 006 does not apply to Model 340SRX (98573C)

Model 340 Workstations

Product/Opt. No.	Component	Description	Price
98563E		Model 340M Monochrome Workstation Model 340 SPU and common components Plus: • High-resolution monochrome graphics board (1024 x 768) with video cable	\$5,495.
	98786A	17-inch high-resolution monochrome monitor (1024x768)	
98563G		Model 340MH 2D Monochrome Workstation Model 340 SPU and common components Plus: • High-resolution, high-performance monochrome graphics board (1280 x 1024) with video cable	\$7,995.
	98788A	19-inch high-resolution monochrome monitor (1280 x 1024)	
98564C		Model 340C+ Color Workstation Model 340 SPU and common components Plus: High-resolution, high-performance Color Graphics Board (1024 x 768), 6-plane with RGB cable	\$8,495.
	98549A		
	98785A	16-inch High-resolution Color Monitor (1024x768)	
Opt. 719		Substitute 19-inch color monitor (98751A) for 16-inch color monitor (98785A)	3,125.
98564G		Model 340CH 2D Color Workstation Model 340 SPU and common components Plus: High-resolution, high-performance Color Graphics Board (1280 x 1024), 8 planes plus 2 overlay planes with RGB cable	\$10,995.
	98550A		
	98789A	16-inch High-resolution Color Monitor (1280 x 1024)	
Opt. 719		Substitute 19-inch color monitor (98752A) for 16-inch color monitor (98789A)	3,125.
98564G		Model 340CHX 2D Color Workstation (Model 340CH with 2D integer-based graphics accelerator) Model 340CH 2D Color Workstation	\$10,995.
Opt. 556		Add 98556A 2D Integer-based Graphics accelerator	5,000.
Opt. 719	*	Substitute 19-inch color monitor (98752A) for 16-inch color monitor (98789A)	3,125.
98573C		Model 340SRX Solid Rendering Workstation Model 340 SPU and common components Plus: 16-bit Display controller interface to 98720A 3D Display Controller with 4 overlay planes 98721A 3D Solid Rendering Graphics Accelerator 98722A Frame Buffer Board (8 planes) 16-inch High-resolution color monitor (1280x1024) RGB cable	\$14,900.
	98720A		
	• Opt. 721		
	• Opt. 722		
	98789A		
	98290A		
Opt. 016†		Add one 8-plane frame buffer board for a total of 16 planes plus 4 overlay planes	3,000.
Opt. 024†		Add two 8-plane frame buffer boards for a total of 24 planes plus 4 overlay planes	6,000.
Opt. 032†		Add three 8-plane frame buffer boards for a total of 32 planes plus 4 overlay planes Note: This is a 36-plane system. Only 24 planes can be used for display. Four planes are designated for overlay. The remaining 8 planes are used with off-screen memory for a full 16-bit Z-buffer.	9,000.
Opt. 719		Substitute 19-inch color monitor (98752A) for 16-inch color monitor (98789A)	3,125.

† Options 016, 024 and 032 cannot be ordered concurrently.

Model 345 Workstations

Model 345 Workstations (MH, C+, CH, SRX and TurboSRX)

All Model 345 Workstations consist of a SPU, graphics subsystem, keyboard and operating software license. The product structure and numbering are as follows: (The 345 SPU is not orderable separately.)

Product/Option No.	Component	Description	Price
		345 SPU	N/A
		Model 345 SPU which includes:	
		• MC68030, 50 MHz	
		• MC68882, 50 MHz	
		• 32 Mbytes cache	
		• 8 Mbytes ECC RAM, expandable to 16 Mbytes	
		• 4 Gbytes virtual memory address space	
		• 64-bit memory bus	
		• IEEE-488 HP-IB interface w/2m cable	
		• RS-232C serial interface w/9- pin male connector	
		• IEEE 802.3/Ethernet LAN interface w/ThinMAU and BNC "T" connector and AUI (jumper selectable)	
		• HP-HIL interface with cable	
		• Centronics interface w/2m cable	
		• 2 channel DMA controller	
		• Built-in speaker and audio interface	
98594L		HP-UX 7.0 License-to-use AXE, PE, NS, ARPA, NFS, LAN Link functionality, X/11, and OSF/Motif	
	Keyboard	Note: Must specify one keyboard option.	

Options Common to All Model 345 Workstations

Product/Option No.	Component	Description	Price
Opt. 010*		Add High-speed HP-IB disk interface	1,500.
Opt. 011*		Add SCSI external disk interface	1,000.
Opt. 012		Add Centronics Software Support including Device Driver on 1/4-inch tape	100.
Opt. 061		Add 46060B 3-button HP-HIL mouse	• 180.
Opt. 084		Add 46084A HP-HIL ID module	195.
Opt. 112**		Add 4 Mbytes ECC RAM for total of 12 Mbytes	2,500.
Opt. 116**		Add 8 Mbytes ECC RAM for a total of 16 Mbytes	5,000.
Opt. 411*		Add 200 MB internal SCSI disk with Instant Ignition and SCSI external disk interface	4,250.
Opt. 412*		Add 200 MB internal SCSI disk with Instant Ignition	3,250.

* Options 010, 011, 411 and 412 cannot be ordered concurrently. Options 411 and 412 require Option 061.

** Applies to all Model 345s with the exception of Model 345MH. See Model 345MH description for ECC RAM options.

Model 345 Workstations

Product/Option No.	Component	Description	Price
98563H		345MH 2D Monochrome Workstation Model 345 SPU and common components (Note: The Model 345MH configuration only has 4 Mbytes ECC RAM.) Plus: High-resolution monochrome graphics board (1280x1024) 19-inch high-resolution monochrome monitor (1280x1024)	\$8,995.
	98548A 98788A		
Opt. 108		Add 4Mbytes ECC RAM for a total of 8 Mbytes	2,500.
Opt. 112		Add 8 Mbytes ECC RAM for total of 12 Mbytes	5,000.
Opt. 116		Add 12 Mbytes ECC RAM for a total of 16 Mbytes	7,500.
98564H		345C+ 2D Color Workstation Model 345 SPU and common components Plus: High-resolution 6-plane color graphics board (1024x768) 16-inch high-resolution color monitor (1024x768)	\$12,495.
	98549A 98785A		
Opt. 719		Substitute 19-inch color monitor (98751A) for 16-inch monitor	3,125.
98578H		345CH 2D Color Workstation Model 345 SPU and common components Plus: High-res 8-plane plus 2 overlay plane color graphics board (1280x1024) 16-inch high-resolution color monitor (1280x1024) RGB cable	\$14,995.
	98550A 98789A 98290A		
Opt. 719		Substitute 19-inch color monitor (98752A) for 16-inch monitor	3,125.
98573H		345SRX 3D Solid Rendering Workstation Model 345 SPU and common components Plus: 16-bit Display controller interface to 98720A 3D Display controller with 4 overlay planes 98721A 3D Solid Rendering Graphics Accelerator 98722A Frame Buffer Board (8 planes) 16-inch high-resolution color monitor (1280x1024) RGB cable	\$19,995.
	98725A 98720A Opt. 721 Opt. 722 98789A 98290A		
Opt. 016*		Add one 8-plane frame buffer board for a total of 16 planes plus 4 overlay planes	3,000.
Opt. 024*		Add two 8-plane frame buffer boards for a total of 24 planes plus 4 overlay planes	6,000.
Opt. 032*		Add three 8-plane frame buffer boards for a total of 32 planes plus 4 overlay planes <i>Note: This is a 36-plane system. Only 24 planes can be used for display. Four planes are designated for overlay. The remaining 8 planes are used with off-screen memory for a full 16-bit Z-buffer.</i>	9,000.
Opt. 719		Substitute 19-inch color monitor (98752A) for 16-inch monitor	3,125.
98573J		345 TurboSRX 3D Solid Rendering Workstation Model 345 SPU and common components Plus: 32-bit Display controller interface to 98730A 3D Display controller w/8-planes frame buffer memory and 4 overlay planes 19-inch high-resolution color monitor (1280x1024)	\$23,995.
	98726A 98730A 98752A		
Opt. 416**		Add one 8-plane frame buffer board for a total of 16 planes plus 4 overlay planes	3,000.
Opt. 424**		Add two 8-plane frame buffer boards for a total of 24 planes plus 4 overlay planes	6,000.
Opt. 608**		Add three accelerators and full 16-bit Z-buffer for a total of 8 planes plus 4 overlay planes	11,000.
Opt. 616**		Add three accelerators, a full 16-bit Z-buffer and one 8-plane frame buffer board for a total of 16 planes with 4 overlay planes	14,000.
Opt. 624**		Add three accelerators, a full 16-bit Z-buffer and two 8-plane frame buffer boards for a total of 24 planes with 4 overlay planes, Starbase Radiosity and Ray tracing Libraries <i>Note: This is a 44-plane system. Only 24 planes can be used for display. Four planes are designated for overlay. The remaining 16 planes are for a full 16-bit Z-buffer.</i>	17,000.

* Options 016, 024 and 032 cannot be ordered concurrently.

** Options 416, 424, 608, 616 and 624 cannot be ordered concurrently.

Model 360 Workstations

Model 360 Workstations (MH, C+, CH, CHX, SRX and TurboSRX)

All Model 360 Workstations consist of a SPU, graphics subsystem, input devices and operating software license. The product structure and numbering are as follows: (The 360 SPU is orderable separately.)

Product/Opt. No.	Component	Description	Price
98579A		Model 360 SPU <ul style="list-style-type: none"> • MC68030 Processor, 25 MHz • MC68882 Floating Point Coprocessor, 25 MHz • 4 Mbytes built-in parity-checking RAM, expandable to 16 Mbytes • 4 Gbytes virtual memory address space • 32-bit memory bus • 32-bit DIO II bus • System interface board with <ul style="list-style-type: none"> – IEEE-488 HP-IB interface – Audio interface – HP-HIL interface – RS-232C serial interface – Two-channel DMA Controller • HP-IB, HP-HIL, and RS-232C adapter cables Note: Two out of four DIO II slots available for accessory cards.	\$12,995.

Options Common to the 360 SPU and 360 Workstations

Product/Opt. No.	Component	Description	Price
Opt. 006		Add 98242B 2-slot DIO Backplane	\$400.
Opt. 010*		Add 98262A High-speed HP-IB Disk Interface with 2 meter HP-IB cable	990.
Opt. 011*		Add 98265A SCSI single-ended board with 1m cable and terminator	400.
Opt. 015**		IEEE 802.3/Ethernet AUI LAN interface (used for ThickLAN, ThinLAN or StarLAN 10). (Must order MAU separately.)	N/C
Opt. 017**		IEEE 802.3/Ethernet LAN interface with ThinMAU and BNC "T" connector	N/C
Opt. 108†		Add 4 Mbytes RAM for a total of 8 Mbytes RAM (98267B)	5,040.
Opt. 112†		Add 8 Mbytes RAM for a total of 12 Mbytes RAM (98267B)	9,780.
Opt. 116†		Add 12 Mbytes RAM for a total of 16 Mbytes RAM (98267B)	14,200.

Components and Options Common to All Model 360 Workstations

Product/Opt. No.	Component	Description	Price
	46060B	HP-HIL 3-button mouse	
	46081A	2.4m HP-HIL Extension with audio	
	46084A	HP-HIL ID Module	
	98594L	HP-UX 7.0 License-to-use AXE, PE, NS, ARPA, NFS, LAN Link functionality, X/11, and OSF/Motif	
	Keyboard	Note: One out of four DIO II slots available for accessory cards. Note: Must specify one keyboard option.	
Opt. 404††		162 Mbyte SCSI disk drive with Instant Ignition	\$3,800.
Opt. 405††		323 Mbyte SCSI disk drive with Instant Ignition	5,600.
Opt. 408††		162 Mbyte SCSI disk with Instant Ignition and 67 Mbyte 1/4-inch cartridge tape drive	5,800.
Opt. 409††		323 Mbyte SCSI disk with Instant Ignition and 67 Mbyte 1/4-inch cartridge tape drive	7,600.
Opt. 410††		323 Mbyte SCSI disk with Instant Ignition and 133 Mbyte 1/4-inch cartridge tape drive	8,600.

* Opt. 010 and Opt. 011 cannot be ordered concurrently.

** Must order Option 015 or 017; options cannot be ordered concurrently.

† Options 108, 112 and 116 cannot be ordered concurrently.

†† Options 404, 405, 408, 409 and 410 cannot be ordered concurrently. These option require Option 011.

Model 360 Workstations

Product/Opt. No.	Component	Description	Price
98589W		Model 360MH 2D Monochrome Workstation Model 360 SPU and common components plus: High-resolution Monochrome Graphics Board 19-inch High-resolution Monochrome Monitor (1280 x 1024)	\$14,400.
	98548A 98788A		
98583W		Model 360C+ 2D Color Workstation Model 360 SPU and common components plus: High-resolution Color Graphics Board with RGB cable 16-inch High-resolution Color Monitor (1024 x 768)	\$14,900.
	98549A 98785A		
Opt. 719		Substitute 19-inch color monitor (98752A) for 16-inch color monitor (98789A)	3,125.
98588W		Model 360CH 2D Color Workstation Model 360 SPU and common components plus: High-resolution Color graphics Board with RGB cable 16-inch High-resolution Color Monitor (1280 x 1024)	\$16,900.
	98550A 98789A		
Opt. 719		Substitute 19-inch color monitor (98752A) for 16-inch color monitor (98789A)	3,125.
		Model 360CHX 2D Color Workstation (Model 360 CH with 2D Integer-Based Graphics Accelerator) Model 360CH 2D Color Workstation	\$16,900.
98588W			
Opt. 556		Add 98556A 2D Integer-based Graphics Accelerator	5,220.
Opt. 719		Substitute 19-inch color monitor (98752A) for 16-inch color monitor (98789A)	3,125.
98587W		Model 360SRX 3D Solid Rendering Workstation Model 360 SPU and common components plus: 3D Display Controller with 4 overlay planes 3D Solid Rendering Graphics Accelerator Frame Buffer Board (8 planes) 16-bit Display Controller Interface to 98720A 16-inch High-resolution Color Monitor (1280 x 1024) RGB cable	\$24,500.
	98720A • Opt. 721 • Opt. 722 98725A 98789A 98290A		
Opt. 016†		Add one 8-plane frame buffer board for a total of 16 planes plus 4 overlay planes.	3,000.
Opt. 024†		Add two 8-plane frame buffer boards for a total of 24 planes plus 4 overlay planes.	6,000.
Opt. 032†		Add three 8-plane frame buffer boards for a total of 32 planes plus 4 overlay planes. Note: This is a 36-plane system. Only 24 planes can be used for display. Four planes are designated for overlay. The remaining 8 planes are used with off-screen memory for a full 16-bit Z-buffer.	9,000.
Opt. 719		Substitute 19-inch color monitor (98752A) for 16-inch color monitor (98789A)	3,125.
98587T		Model 360 TurboSRX 3D Solid Rendering Workstation Model 360 SPU and common components plus: 4 Mbytes RAM board for a total of 8 Mbytes RAM IEEE 488 High-speed Disk Interface with 2 meter HP-IB cable 3D Display Controller with 8 planes of frame buffer memory, 4 overlay planes, and RGB cable (with no accelerators) 32-bit Display Controller Interface to 98730A 19-inch High-resolution Color Monitor (1280 x 1024)	\$35,995.
	Opt 108 Opt. 010 98730A 98726A 98752A		
Opt. 416††		Add one 8-plane buffer board for a total of 16 planes plus 4 overlay planes	4,120.
Opt. 424††		Add two 8-plane buffer boards for a total of 24 planes plus 4 overlay planes	8,240.
Opt. 608††		Add 3 accelerators for 3D solids and a full 16-bit Z-buffer with a total of 8 planes of frame buffer memory plus 4 overlay planes.	17,000.
Opt. 616††		Add 3 accelerators for 3D solids and a full 16-bit Z-buffer and one 8-plane buffer board (98722A) for a total of 16 planes plus 4 overlay planes.	21,000.
Opt. 624††		Add 3 accelerators for 3D solids and a full 16-bit Z-buffer and two 8-plane frame buffer boards (98722A) for a total of 24 planes plus 4 overlay planes, and Starbase Radiosity and Ray Tracing Libraries (988852A and 988851L). Note: This is a 44-plane system. Only 24 planes can be used for display. Four planes are designated for overlay. The remaining 16 planes are for a full 16-bit Z-buffer.	25,000.
Opt. 716		Substitute 16-inch monitor (98789A) for 19-inch monitor (98752A)	-3,125.

† Options 016, 024 and 032 cannot be ordered concurrently.

†† Options 416, 424, 608, 616 or 624 cannot be ordered concurrently.

Model 370 Workstations

Model 370 Workstations (MH, C+, CH, CHX, SRX, TurboSRX, AIC, AIM)

All Model 370 Workstations consist of a SPU, graphics subsystem, input devices and operating software license. The product structure and numbering are as follows: (The 370 SPU is orderable separately.)

Product/Opt. No.	Component	Description	Price
98579B		Model 370 SPU <ul style="list-style-type: none"> • MC68030 Processor, 33 MHz • MC68882 Floating Point Coprocessor, 33 MHz • 64 Kbytes cache • 8 Mbytes RAM, expandable to 48 Mbytes • 4 Gbytes virtual memory address space • 32-bit memory bus • 32-bit DIO II bus • System interface board with <ul style="list-style-type: none"> – IEEE-488 HP-IB interface – Audio interface – HP-HIL interface – RS-232C serial interface – Two-channel DMA Controller – High-speed HP-IB disk interface • HP-IB, HP-HIL, and RS-232C adapter cables <p>Note: One out of four DIO II slots available for accessory cards.</p>	\$22,550.

Options Common to the 370 SPU and 370 Workstations

Product/Opt. No.	Component	Description	Price
Opt. 011		Delete high-speed HP-IB; add SCSI single-ended board with 1m cable and terminator	N/C
Opt. 015*		IEEE 802.3/Ethernet AUI LAN interface (used for ThickLAN, ThinLAN or StarLAN 10). (Must order MAU separately.)	N/C
Opt. 017*		IEEE 802.3 / Ethernet LAN interface with ThinMAU and BNC "T" connector	N/C
Opt. 116**		Converts 8 Mbytes RAM to 16 Mbytes RAM. Replaces the 4 Mbytes RAM add-on with a 12 Mbytes RAM add-on	\$9,780.
Opt. 208**		Substitute 8 Mbytes ECC RAM for 8 Mbytes parity-checking RAM	4,170.
Opt. 216**		Substitute 16 Mbytes ECC RAM for 8 Mbytes parity-checking RAM	12,500.

Components and Options Common to All Model 370 Workstations

Product/Opt. No.	Component	Description	Price
	46060B	HP-HIL 3-button mouse	
	46081A	2.4m HP-HIL Extension with audio	
	46084A	HP-HIL ID Module	
	98594L	HP-UX 7.0 License-to-use AXE, PE, NS, ARPA, NFS, LAN Link functionality, X/11 and OSF/Motif	
	Keyboard	<p>Note: Zero out of four DIO II slots available for accessory cards.</p> <p>Note: Must specify one keyboard option.</p>	
Opt. 404††		162 Mbyte SCSI disk drive with Instant Ignition	\$3,800.
Opt. 405††		323 Mbyte SCSI disk drive with Instant Ignition	5,800.
Opt. 408††		162 Mbyte SCSI disk with Instant Ignition and 67 Mbyte 1/4-inch cartridge tape drive	5,800.
Opt. 409††		323 Mbyte SCSI disk with Instant Ignition and 67 Mbyte 1/4-inch cartridge tape drive	7,600.
Opt. 410††		323 Mbyte SCSI disk with Instant Ignition and 133 Mbyte 1/4-inch cartridge tape drive	8,600.

* Must order Option 015 or 017; options cannot be ordered concurrently.

** Options 116, 208 and 216 cannot be ordered concurrently.

†† Options 404, 405, 408, 409 and 410 cannot be ordered concurrently. These options require Opt. 011.

Model 370 Workstations

Product/Opt. No.	Component	Description	Price
98589G	98548A 98788A	Model 370MH Monochrome Workstation Model 370 SPU and common components plus: High-resolution Monochrome Graphics Board 19-inch High-resolution Monochrome Monitor (1280 x 1024)	\$24,500.
Opt. 688		AI Development System	4,120.
98583G	98549A 98751A	Model 370C+ 2D Color Workstation Model 370 SPU and common components plus: High-resolution Color Graphics Board with RGB cable 19-inch High-resolution Color Monitor (1024 x 768)	\$28,000.
Opt. 716		Substitute 16-inch color monitor (98789A) for 19-inch color monitor (98752A)	-3,125.
98588G	98550A 98752A	Model 370CH 2D Color Workstation Model 370 SPU and common components plus: High-resolution Color Graphics Board with RGB cable 19-inch High-resolution Color Monitor (1280 x 1024)	\$31,900.
Opt. 688		AI Development System	4,120.
Opt. 716		Substitute 16-inch color monitor (98789A) for 19-inch color monitor (98752A)	-3,125.
98588G		Model 370CHX 2D Color Workstation (Model 370CH with 2D integer-based Graphics Accelerator) Model 370CH 2D Color Workstation	\$31,900.
Opt. 556		Add 98556A 2D Integer-based Graphics Accelerator	5,220.
Opt. 716		Substitute 16-inch color monitor (98789A) for 19-inch color monitor (98752A)	-3,125.
98587G	98720A • Opt. 721 • Opt. 722 98725A 98752A 98290A	Model 370SRX 3D Solid Rendering Workstation Model 370 SPU and common components plus: 3D Display Controller with 4 overlay planes 98721A 3D Solid Rendering Graphics Accelerator 98722A Frame Buffer Board (8 planes) 16-bit Display Controller Interface to 98720A 19-inch High-resolution Color Monitor (1280 x 1024) RGB cable	\$41,900.
Opt. 016†		Add one 8-plane frame buffer board for a total of 16 planes plus 4 overlay planes.	4,250.
Opt. 024†		Add two 8-plane frame buffer boards for a total of 24 planes plus 4 overlay planes.	8,510.
Opt. 032†		Add three 8-plane frame buffer boards for a total of 32 planes plus 4 overlay planes. <i>Note: This is a 36-plane system. Only 24 planes can be used for display. Four planes are designated for overlay. The remaining 8 planes are used with off-screen memory for a full 16-bit Z-buffer.</i>	12,750.
Opt. 716		Substitute 16-inch color monitor (98789A) for 19-inch color monitor (98752A)	-3,125.
98587H	98730A 98726A 98752A	Model 370 TurboSRX 3D Solid Rendering Workstation Model 370 SPU and common components plus: 3D Display Controller (with no accelerators) with 8 planes of frame buffer memory, 4 overlay planes, and RGB cable 32-bit Display Controller Interface to 98730A 19-inch High-resolution Color Monitor (1280 x 1024)	\$44,250.
Opt. 416†		Add one 8-plane buffer board for a total of 16 planes plus 4 overlay planes	4,120.
Opt. 424†		Add two 8-plane buffer boards for a total of 24 planes plus 4 overlay planes	8,240.
Opt. 608†		Add 3 accelerators for 3D solids and a full 16-bit Z-buffer with a total of 8 planes of frame buffer memory plus 4 overlay planes.	17,000.
Opt. 616†		Add 3 accelerators for 3D solids and a full 16-bit Z-buffer (98732A) and one 8-plane buffer board for a total of 16 planes plus 4 overlay planes.	21,000.
Opt. 624†		Add 3 accelerators for 3D solids and a full 16-bit Z-buffer and two 8-plane buffer boards for a total of 24 planes plus 4 overlay planes, and Starbase Radiosity and Ray Tracing Libraries. <i>Note: This is a 44-plane system. Only 24 planes can be used for display. Four planes are designated for overlay. The remaining 16 planes are for a full 16-bit Z-buffer.</i>	25,000.
Opt. 716		Substitute 16-inch color monitor (98789A) for 19-inch color monitor (98752A)	-3,125.

† Options 016, 024 and 032 cannot be ordered concurrently.

† Options 416, 424, 608, 616 and 624 cannot be ordered concurrently.

Model 375 Workstations

Model 375 Workstations (C+, CH, MH, SRX and TurboSRX)

All Model 375 Workstations consist of a SPU, graphics subsystem, input devices and operating software license. The product structure and numbering are as follows: (The 375 SPU is orderable separately.)

Product/Option No.	Component	Description	Price
98574B		375 SPU Model 375 SPU which includes: <ul style="list-style-type: none"> • MC68030, 50 MHz • MC68882, 50 MHz • 32 Kbytes cache • 8 Mbytes ECC, expandable to 32 Mbytes • 4 Gbytes virtual memory address space • 64-bit memory bus • IEEE-488 HP-IB interface w/2m cable • SCSI interface w/1m cable and terminator • RS-232C serial interface w/9-pin male connector • IEEE 802.3/Ethernet LAN interface w/ThinMAU and BNC "T" connector and AUI (jumper selectable) • HP-HIL interface with cable • Centronics interface w/2m cable • 2 channel DMA controller • Built-in speaker and audio interface Note: Two out of four DIO II slots available.	\$20,995.

Options Common to 375 SPU and 375 Workstations

Product/Option No.	Component	Description	Price
Opt. 006		Add 98242B 2-slot DIO backplane	\$400.
Opt. 010		Substitute high-speed HP-IB disk interface	500.
Opt. 012		Add Centronics Software Support including Device Driver on 1/4-inch tape	100.
Opt. 116		Add 8 Mbytes ECC RAM for a total of 16 Mbytes	5,000.
Opt. 124		Add 16 Mbytes ECC RAM for a total of 24 Mbytes	10,000.
Opt. 132		Add 24 Mbytes ECC RAM for a total of 32 Mbytes	\$15,000.

Components and Options Common to All Model 375 Workstations

Product/Option No.	Component	Description	Price
46060B		HP-HIL 3-button mouse	
46081A		2.4m HP-HIL Extension with audio	
46084A		HP-HIL IO Module	
98594L		HP-UX License-to-use AXE, PE, NS, ARPA, NFS, LAN Link functionality, X/11, and OSF/Motif Note: One out of four DIO II slots available for accessory cards.	
	Keyboard	Note: Must specify one keyboard option.	
Opt. 404*		Add 162MB 7958S SCSI disk with Instant Ignition	3,800.
Opt. 405*		Add 323MB 7959S SCSI disk with Instant Ignition	5,600.
Opt. 408*		Add 162MB 7958S SCSI disk with Instant Ignition and 67MB 9144A HP-IB Tape Drive	5,850.
Opt. 409*		Add 323MB 7959S SCSI disk with Instant Ignition and 67MB 9144A HP-IB Tape Drive	7,600.
Opt. 410*		Add 323MB 7959S SCSI disk with Instant Ignition and 133MB 9145A HP-IB Tape Drive	8,600.

* Options 404, 405, 408, 409 and 410 cannot be ordered concurrently.

Model 375 Workstations

Product/Option No.	Component	Description	Price
98589J		375MH 2D Monochrome Workstation Model 375 SPU and common components plus:	\$21,995.
	98548A	High-resolution 6-plane monochrome graphics board (1280x1024)	
	98788A	19-inch high-resolution monochrome monitor (1280x1024)	
98583J		375C+ 2D Color Workstation Model 375 SPU and common components plus:	\$22,995.
	98549A	High-resolution 6-plane color graphics board (1024x768)	
	98751A	19-inch high-resolution color monitor (1025x768)	
Opt. 716		Substitute 16-inch color monitor (98785A) for 19-inch monitor	-3,125.
98588J		375CH 2D Color Workstation Model 375 SPU and common components plus:	\$25,495.
	98550A	High-resolution 8-plane plus 2 overlay plane color graphics board (1280x1024)	
	98752A	19-inch high-resolution color monitor (1280x1024)	
Opt. 556		Add 2D Integer graphics accelerator	5,000.
Opt. 716		Substitute 16-inch color monitor (98789A) for 19-inch monitor.	-3,125.
98587J		375SRX 3D Solid Rendering Workstation Model 375 SPU and common components plus:	\$33,495.
	98725A ✓	16-bit Display controller interface to 98720A	
	98720A	3D Display controller with 4 overlay planes	
	Opt. 721	✓ 98721A 3D Solid Rendering Graphics Accelerator	
	Opt. 722	98722A Frame Buffer Board (8 planes)	
	98752A	19-inch high-resolution color monitor (1280x1024)	
	98290A	RGB cable	
Opt. 016*		Add one 8-plane frame buffer board for a total of 16 planes plus 4 overlay planes	3,000.
Opt. 024*		Add two 8-plane frame buffer boards for a total of 24 planes plus 4 overlay planes	6,000.
Opt. 032*		Add three 8-plane frame buffer boards for a total of 32 planes plus 4 overlay planes <i>Note: This is a 36-plane system. Only 24 planes can be used for display. Four planes are designated for overlay. The remaining 8 planes are used with off-screen memory for a full 16-bit Z-buffer.</i>	9,000.
Opt. 716		Substitute 16-inch color monitor (98789A) for 19-inch monitor (98754A).	-3,125.
98587K		375 TurboSRX 3D Solid Rendering Workstation Model 375 SPU and common components plus:	\$39,995.
	98726A ✓	32-bit Display controller interface to 98730A	
	98730A ✓	3D Display controller w/8-planes frame buffer memory and 4 overlay planes	
	98752A	19-inch high-resolution color monitor (1280x1024)	
Opt. 416*		Add one 8-plane frame buffer board for a total of 16 planes plus 4 overlay planes	3,000.
Opt. 424*		Add two 8-plane frame buffer boards for a total of 24 planes plus 4 overlay planes	6,000.
Opt. 608*		Add three accelerators and full 16-bit Z-buffer for a total of 8 planes plus 4 overlay planes	11,000.
Opt. 616*		Add three accelerators and full 16-bit Z-buffer, and one 8-plane frame buffer board for a total of 16 planes with 4 overlay planes	14,000.
Opt. 624*		Add three accelerators and full 16-bit Z-buffer, and two 8-plane frame buffer boards for a total of 24 planes with 4 overlay planes and, Starbase Radiosity and Ray Tracing Libraries. <i>Note: This is a 44-plane system. Only 24 planes can be used for display. Four planes are designated for overlay. The remaining 16 planes are used with off-screen memory for a full 16-bit Z-buffer.</i>	17,000.
Opt. 716		Substitute 16-inch color monitor (98789A) for 19-inch monitor (98752A)	-3,125.

* Options 016, 024 and 032 cannot be ordered concurrently.

* Options 416, 424, 608, 616 and 624 cannot be ordered concurrently.

AI Development Systems

Product/Opt. No.	Component	Description	Price
98588G Opt. 688	98594A 98896-87904 98688L 98688B Opt. 022	Model 370AIC Color AI Development System (Model 370CH with AI Development System). Model 370CH 2D Color Workstation AI Development System Media and documentation for 98594L; software on 1/4-inch tape cartridge HP-UX Programmer's Documentation Set Development Environment for Common LISP II License-to-Use Development Environment for Common LISP II; software on 1/4-inch tape cartridge	\$31,900. 4,120.
Opt. 556		Add 98556A 2D integer-based graphics accelerator	5,220.
98589G Opt. 688	98594A 98896-87904 98688L 98688B Opt. 022	Model 370 AIM Monochrome AI Development System (Model 370MH with AI Development System). Model 370MH Monochrome Workstation AI Development System Media and documentation for 98549L; software on 1/4-inch tape cartridge HP-UX Programmer's Documentation Kit Development Environment for Common LISP II License-to-Use Development Environment for Common LISP II; software on 1/4-inch tape cartridge	\$24,500. 4,120.

Model 310/320 SPU's

Other Series 300 System Processing Units (SPUs)

Model 310 System Processing Unit Standard Features

Product/Opt. No.	Description	Price
98561A	Model 310 SPU <ul style="list-style-type: none"> • MC68010 Processor, 10 MHz • 1 Mbyte on-board parity-checking RAM • 16 Mbytes virtual memory address space • 16-bit memory bus • 512 x 400 on-board monochrome graphics interface • IEEE-488 HP-IB interface • RS-232C serial interface • HP-HIL interface • Audio interface • 1-meter HP-IB cable, HP-HIL keyboard cable 	\$5,820.
Opt. 002*	Delete 1/2 Mbyte RAM, leaving 1/2 Mbyte on board	-900.
Opt. 003*	Delete on-board graphics interface. Order appropriate graphics interface and monitor. CPU board will have 1 Mbyte RAM on-board but no graphics interface.	-500.
Opt. 004	Delete 4-slot I/O card cage. SPU box will be delivered with slots for CPU board and optional graphics interface only. The I/O card cage upgrade can be ordered later as Product Number 98242A.	-350.
Opt. W03	Convert 1 year return-to-HP warranty to 90-day on-site warranty	N/C

* Opt. 002 and Opt. 003 cannot be ordered concurrently.

Model 320 System Processing Unit Standard Features

Product/Opt. No.	Description	Price
98561B	Model 320 SPU <ul style="list-style-type: none"> • MC68020 Processor, 16.67 MHz • MC68881 Floating Point Coprocessor, 16.67 MHz • 1 Mbyte parity-checking RAM board • 4 Gbytes virtual memory address space • 16-bit memory bus • Human interface board containing: <ul style="list-style-type: none"> — IEEE-488 HP-IB interface — RS-232C serial interface — HP-HIL interface — Audio interface • 1-meter HP-IB cable, HP-HIL keyboard cable • DB9 to DB25 RS-232C adaptor cable 	\$10,060.
Opt. W03	Convert 1 year return-to-HP warranty to 90-day on-site warranty	N/C
98561C	Model 320U SPU <ul style="list-style-type: none"> • 98561B SPU plus: <ul style="list-style-type: none"> — 98568A expander — Three 1 Mbyte RAM boards (4 Mbytes total) — DMA Controller — LAN interface† — High-speed HP-IB disk interface 	\$16,300.
Opt. 002	Delete 2 Mbytes RAM, for a total of 2 Mbytes	-1,000.
Opt. W03	Convert 1 year return-to-HP warranty to 90-day on-site warranty	N/C

† Must also order MAU, AUI and LAN cable as well as LAN software for LAN hook-up.

Model 330/332 SPU's

Model 330 System Processing Unit Standard Features

Product/Opt. No.	Description	Price
98562A	Model 330 SPU <ul style="list-style-type: none"> • MC68020 Processor, 16.67 MHz • MC68881 Floating Point Coprocessor, 16.67 MHz • 4 Mbytes built-in parity-checking RAM, expandable up to 8 Mbytes (off-board) • 4 Gbytes virtual memory address space • 32-bit memory bus • 32-bit DIO II bus • System interface board with <ul style="list-style-type: none"> — IEEE-488 HP-IB interface — Audio interface — HP-HIL interface — RS-232C serial interface — Two-channel DMA Controller • HP-IB, HP-HIL, and RS-232C adapter cables Note: Two out of four DIO-II slots available for accessory cards.	\$12,460.
Opt. 006	Add 98242B 2-slot DIO Backplane	400.
Opt. 010*	Add 98262A High-speed HP-IB Disk Interface with 2 meter HP-IB cable	990.
Opt. 011*	Add 98265A SCSI single-ended board with 1m cable and terminator	1,135.
Opt. 015**	IEEE 802.3 / Ethernet AUI LAN interface (used for ThickLAN, ThinLAN or StarLAN 10). (Must order MAU separately.)	N/C
Opt. 017**	IEEE 802.3 / Ethernet LAN interface with ThinMAU and BNC "T" connector	N/C
Opt. W03	Convert 1-year return-to-HP warranty to 90-day on-site warranty	N/C

* Opt. 010 and Opt. 011 cannot be ordered concurrently.

** Must order Option 015 or 017; options cannot be order concurrently.

Model 332 System Processing Unit Standard Features

Product/Opt. No.	Description	Price
98572A	Model 332 SPU <ul style="list-style-type: none"> • MC68030 Processor, 16.7 MHz • 1 Mbyte parity-checking RAM board, expandable to 8 Mbytes • 4 Gbytes virtual memory address space • 512 by 400 on-board monochrome graphics interface • IEEE-488 HP-IB interface • RS-232C serial interface • HP-HIL interface • Two-channel DMA controller • Audio interface • 1-meter HP-IB cable, HP-HIL keyboard cable 	\$5,200.
Opt. 003	Delete graphics. Order appropriate graphics interface and monitor.	-500.
Opt. 004	Delete 4-slot I/O card cage. SPU box will be delivered with slots for CPU board and optional graphics interface only. The I/O card cage upgrade can be ordered later as Product Number 98242A.	-350.
Opt. 102**	Add 1 Mbyte RAM board for a total of 2 Mbytes	700.
Opt. 104**	Substitute 4 Mbyte RAM board for 1 Mbyte RAM board for a total of 4 Mbytes	2,500.
Opt. 544	Substitute high-resolution (1024x768) monochrome graphics interface for medium-resolution (512x400).	500.
Opt. 882	Floating Point Co-processor (MC68882).	500.
Opt. W04	Convert 90-day on-site warranty to 1-year return-to-HP warranty	N/C

** Options 102 and 104 may not be ordered concurrently. May only order one option 102 or 104.

Model 350 SPU

Model 350 System Processing Unit Standard Features

Product/Opt. No.	Description	Price
98562B	Model 350 SPU <ul style="list-style-type: none"> • MC68020 Processor, 25 MHz • MC68881 Floating Point Coprocessor, 20 MHz • 8 Mbytes parity-checking RAM, expandable to up to 32 Mbytes (48 Mbytes with ECC RAM) • 4 Gbytes virtual memory address space • 32-bit system bus • 32-bit DIO II bus • System interface board with: <ul style="list-style-type: none"> — IEEE-488 HP-IB interface — RS-232C serial interface — Audio interface — IEEE-488 High-speed HP-IB Disk Interface with 2 meter HP-IB cable — Two-channel DMA Controller • HP-HIL interface HP-IB, HP-HIL, and RS-232C adapter cables Note: One out of four DIO-II slots available for accessory cards.	\$27,550.
Opt. 011	Delete high-speed HP-IB; add 98265A SCSI single-ended board with 1m cable and terminator	155.
Opt. 015*	IEEE 802.3 / Ethernet AUI LAN interface (used for ThickLAN, ThinLAN or StarLAN 10). (Must order MAU separately.)	N/C
Opt. 017*	IEEE 802.3 / Ethernet LAN interface with ThinMAU and BNC "T" connector	N/C
Opt. 116†	Converts 8 Mbytes RAM to 16 Mbytes RAM. Replaces the 4 Mbyte RAM add-on with a 12 Mbyte RAM add-on	9,780.
Opt. 208†	Substitute 8 Mbytes ECC RAM for 8 Mbytes parity-checking RAM	4,170.
Opt. 216†	Substitute 16 Mbytes ECC RAM for 8 Mbytes parity-checking RAM	12,500.
Opt. W03	Convert 1-year return-to-HP warranty to 90-day warranty	N/C

* Must order Option 015 or 017; options cannot be ordered concurrently.

† Options 116, 208 and 216 cannot be ordered concurrently.

Series 300 SPU Accessories

Product/ Opt. No.	Description	Price
98229A	4 Mbytes RAM for Models 345 and 375 (Pair of 2 Mbytes ECC RAM modules)	3,000.
98229B	8 Mbytes ECC RAM for Model 375 (Pair of 4 Mbytes ECC RAM modules)	6,000.
98257A	1 Mbyte RAM Card (DIO). For Models 310 and 320 only.	1,770.
98258A	4 Mbytes Parity-Checking RAM Controller. Accepts either a 98258B or 98258C RAM add-on board (Model 350 and 370 only) or can be used stand-alone (Models 330, 350, and 370). Occupies one system slot. Includes 3-slot system bus connector.	6,660.
Opt. 004	Delete 3-slot system bus connector (for use with Model 330).	-250.
Opt. 005	Substitute 4-slot system bus connector (for use with Model 350 or 370 with two RAM controllers or FPA previously installed)	N/C
98258B	4 Mbytes Parity-Checking RAM Add-on. For Models 350 and 370 only. Plugs into 98258A for a total of 8 Mbytes RAM.	6,040.
98258C	12 Mbytes Parity-Checking RAM Add-on. For Models 350 and 370 only. Plugs into 98258A for a total of 16 Mbytes RAM.	17,100.
98264A	8 Mbytes Error-Checking and Correcting (ECC) RAM. Occupies one system slot. For Models 350 and 370 only. Includes 3-slot system bus connector.	13,350.
Opt. 004	Delete 3-slot system bus connector.	-250.
Opt. 005	Substitute 4-slot system bus connector (for use with Models 350 and 370 with two RAM controllers or FPA previously installed)	N/C
98264B	16 Mbytes Error-Checking and Correcting RAM. Occupies one system slot. Includes 3-slot system bus connector. For Models 350 and 370.	20,850.
Opt. 004	Delete 3-slot system bus connector.	-250.
Opt. 005	Substitute 4-slot system bus connector (for use with Models 350 and 370 with two RAM controllers or FPA previously installed)	N/C
98267A	4 Mbytes Parity-Checking RAM Add-on. For Model 360 only.	6,050.
98267B	8 Mbytes Parity-Checking RAM Add-on. For Model 360 only.	10,950.
98267C	12 Mbytes Parity-Checking RAM Add-on. For Model 360 only.	17,100.
98268A	4 Mbytes Parity-Checking RAM. For Model 340 only. A maximum of 16 Mbytes may be installed.	5,000.
98269A	1 Mbyte Parity-checking RAM board. For Model 332 only. A maximum of 2 RAM boards (98269A or 98269B) may be installed.	1,250.
98269B	4 Mbytes Parity-checking RAM board. For Model 332 only. A maximum of 2 RAM boards (98269A or 98269B) may be installed.	5,000.
98013A	DIO Slot Upgrade. For Model 340 only. Add one DIO-I I/O compatible slot. This upgrade may only be installed if Options 006, 010 and 011 have not been previously specified.	\$1,500.
98242A	4-slot DIO Backplane. Converts two DIO II slots to two pairs of DIO slots (a total of four DIO slots) in 98570A Opt. 004 expander, 98561A Opt. 004 SPU (310), 98562A SPU (330), 98579A/B SPU (360), 98572A Opt. 004 SPU (332), or 98574B SPU (375).	480.
98242B	2-slot DIO Backplane. Converts one DIO II slot to one pair of DIO slots (a total of two DIO slots) in 98562A/B SPU (330/350), 98570A Opt. 004 expander, 98579A/B SPU (360/370), or 98574B SPU (375).	400.
98568A	Direct Connect 8-slot I/O Expander. Attaches directly to a Series 300 SPU (310, 320, 332).	2,025.
Opt. 132	Required option for first 98568A attached to Model 330, 350, 360, 370, or 375. Connect 98568A directly to the motherboard, using no system slots. (Option not required for second 98568A).	440.
98570A	Direct Connect DIO II Expander. Adds two DIO II slots and four DIO slots to Models 330, 350, 360, 370, or 375 SPU's only.	2,455.
Opt. 004	Delete 4-slot DIO backplane for a total of four DIO II system slots.	-400.
9888A	16-slot DIO Expander. Maximum of two allowed in system. Uses one DIO interface slot.	4,280.
98235A	AUI LAN Upgrade. For Model 340 only.	200.
98237A	ThinLAN Upgrade. For Model 340 only.	200.
98262A	High-speed HP-IB Disk Interface for Model 330, 350, 360, or 370 system interface board. Maximum one per system. Uses no DIO II or DIO slots. Includes 2m HP-IB cable..	990.
98265A	SCSI Single-ended Board for Models 330, 350, 360, and 370. Maximum one per system. Uses no DIO II and DIO slots. Includes 1m cable and terminator.	800.
98248A	Floating Point Accelerator for Model 350. Includes 3-slot system bus connector.	6,040.
Opt. 005	Substitute 4-slot system bus connector (for use with Model 350 with two RAM controllers previously installed)	N/C
98248B	Floating Point Accelerator for Models 330, 360, and 370.	3,605.
Opt. 0H0	Return credit for 98248A FPA.	-1,175.
Opt. 004	Delete 3-slot system bus connector (for use with Models 330 or 360)	-150.
Opt. 005	Substitute 4-slot system bus connector (for use with Model 370 with two RAM controllers previously installed)	N/C
98284A	MC68882 Floating point co-processor field installable upgrade kit for Model 332.	500.

Model 834 Workstations

Series 800 Workstations



Model 834 Workstations (CH, SRX, TurboSRX)

All Model 834 Workstations consist of a SPU, graphics subsystems, input devices and operating software license. The product structure and numbering are as follows: (The 834 SPU is not orderable separately.)

Product No./Option No.	Description	Price
	Model 834 Computer System. SPU consisting of: <ul style="list-style-type: none"> • System processor • Floating point coprocessor • Integrated cabinet, power supply, Channel I/O Bus • 8 Mbytes ECC RAM, expandable to 96 Mbytes 	N/A

Components and Options Common to All Model 834 Workstations

Product No./Option No.	Components	Description	Price
	92466L	2-User HP-UX License-to-Use	
	27110B	HP-IB Interface card	
	36967A/Opt. AH0	LAN/9000 Series 800 Link (ThinMAU deleted. Must order Opt. 003 or 004 to obtain MAU))	
	91787A	NS/9000	
	50981A	ARPA Services/800	
	92445A	Starbase Graphics Library	
	B1155A	X Window System	
	98752A	19-inch color monitor (1280x1024)	
	46060B	HP-HIL 3-button Mouse	
	46081A	2.4m HP-HIL Extension with audio	
	46084A	HP-HIL ID Module	
	Keyboard	Note: Must specify one keyboard option. Note: One CIO and two CTB slots available for expansion.	
Opt. 0B1		Add media and documentation (1/4-inch cartridge tape only)	\$2,000.
Opt. 001*		Add synchronous 6-channel MUX (98196A)	2,000.
Opt. 002		Add A1010A 8 Mbyte ECC RAM board	8,000.
Opt. 003†		Add 28641A ThinMAU	350.
Opt. 004†		Add 30241A ThickMAU plus AUI cable	550.
Opt. 515††		Substitute A1037A 16 Mbyte ECC RAM board for A1010A 8 Mbyte ECC RAM board. (Total system RAM = 16 Mb)	8,000
Opt. 516		Add A1037A 16 Mbyte ECC RAM board	16,000.
Opt. 531††		Substitute one A1623A 32-Mbyte ECC RAM board for A1010A 8 Mbyte ECC RAM board. (Total system RAM = 32 Mb)	18,000.
Opt. 716		Substitute 98789A 16-inch color monitor for 98752A 19-inch color monitor	-3,125.
Opt. 834*		Add pre-loaded software on 9759B 304-Mbyte disk w/Instant Ignition feature. Includes: <ul style="list-style-type: none"> 2-user HP-UX OSF/ Motif NS/ARPA Services NS/9000 Services Starbase Graphics Library X Window System 	5,675.
Opt. 835*		304-Mbyte HP-IB disk drive with "Instant Ignition" feature plus 133-Mbyte 1/4-inch cartridge tape drive	8,675.

* Limited to one Option 001. Opt. 834 and Opt. 835 cannot be ordered concurrently. Limited to one Opt. 834 or one Opt. 835.

† Options 003 and 004 cannot be ordered concurrently.

†† Options 515 and 531 cannot be ordered concurrently. Limited to one Option 515 or one Option 531 per mainframe.

Model 834 Workstations

Product No./ Option No.	Component	Description	Price
A1056A		Model 834CH 2D Graphics Workstation. Model 834 SPU and common components plus: Integrated "CH" graphics subsystem with connecting RGB/HP-HIL audio cable	\$22,500.
Opt. 710		Add integrated Integer-based Graphics Accelerator	5,220.
A1089A		Model 834SRX Solid Rendering Workstation. Model 834 SPU and common components plus:	\$34,900.
	A1017A 98720A Opt. 721 Opt. 722 98290A	Display Controller Interface SRX display controller with 8-plane frame buffer and four overlay planes 3D Solid Rendering Graphics Accelerator Frame Buffer Board RGB cable	
Opt. 016*		Add one 8-plane frame buffer board for a total of 16 planes plus 4 overlay planes.	3,000.
Opt. 024*		Add two 8-plane frame buffer boards for a total of 24 planes plus 4 overlay planes.	6,000.
Opt. 032*		Add three 8-plane frame buffer boards for a total of 32 planes plus 4 overlay planes. Note: This is a 36-plane system. Only 24 planes can be used for display. The remaining 8 planes are used with off-screen memory for a full 16-bit Z-buffer.	9,000.
A1091A		Model 834 TurboSRX Solid Rendering Workstation. Model 834 SPU and common components plus:	\$37,900.
	A1017A 98730A	Display Controller Interface 3D display controller (w/no accelerators) with 8-plane frame buffer and four overlay planes	
Opt. 416**		Add one 8-plane buffer board for a total of 16 planes plus 4 overlay planes.	3,000.
Opt. 424**		Add two 8-plane buffer boards for a total of 24 planes plus 4 overlay planes.	6,000.
Opt. 608**		Add 3 accelerators for 3D solids and a full 16-bit Z-buffer (98732A) with a total of 8 planes of frame buffer memory plus 4 overlay planes.	11,000.
Opt. 616**		Add 3 accelerators for 3D solids and a full 16-bit Z-buffer (98732A) and one 8-plane buffer board (98722A) for a total of 16 planes plus 4 overlay planes.	14,000.
Opt. 624**		Add 3 accelerators for 3D solids and a full 16-bit Z-buffer (98732A) and two 8-plane frame buffer boards (98722A) for a total of 24 planes plus 4 overlay planes, and Starbase Radiosity and Ray Tracing Libraries. Note: This is a 44-plane system. Only 24 planes can be used for display. Four planes are designated for overlay. The remaining 16 planes are for a full 16-bit Z-buffer.	17,000.

* Option 016, 024 and 032 cannot be ordered concurrently.

** Option 416, 424, 608, 616 or 624 cannot be ordered concurrently.

Model 835 Workstations

Model 835 Workstations (CHX, SRX, TurboSRX, TurboSRX Animation)

All Model 835 Workstations consist of a SPU, graphics subsystem, input devices, operating software license, media and manuals. The product structure and numbering are as follows: (The 835 SPU is orderable separately as the 835S.)

Product No./ Option No.	Description	Price
A1035A	Model 835S Computer System. SPU consisting of: <ul style="list-style-type: none"> • System processor • Floating point coprocessor • Integrated cabinet, power supply, Channel I/O Bus • 8 Mbytes ECC RAM, expandable to 128 Mbytes • 6-channel Multiplexer (not included in workstation bundles) Note: Must order either Opt. AA0 or AA1 below.	\$37,000.

Components and Options Common to All Model 835 Workstations

Product No./ Option No.	Component	Description	Price
	36967A/Opt. AH0	LAN/9000 Series 800 Link (ThinMAU deleted. Must order Opt. 003 or 004 to obtain MAU)	
	91787A	NS/9000	
	50981A	ARPA Services/800	
	27110B	HP-IB Interface	
	92452L	HP-UX 1-16 user workstation license including C compiler, assembler, device I/O library, symbolic debugger, and real-time package. Must order either Opt. AA0 or AA1 below.	
	92445A	Starbase Graphics Library	
	B1155A	X Window System	
	98752A	19-inch color monitor (1280 x 1024)	
	46060B	HP-HIL 3-button Mouse	
	46081A	2.4m HP-HIL Extension with audio	
	46084A	HP-HIL ID Module	
	Keyboard	Note: Must specify one keyboard option Note: Four CIO and five CTB-slots available for expansion	
Opt. AA0		Software on 1/4-inch cartridge tape	N/C
Opt. AA1		Software on 1/2-inch 1600 cpi 9-track tape	N/C
Opt. 002		Add A1010A 8 Mbyte ECC RAM board	8,000.
Opt. 003*		Add 28641A ThinMAU	350.
Opt. 004*		Add 30241A ThickMAU plus AUI cable	550.
Opt. 515†		Substitute A1037A 16 Mbyte ECC RAM board for A1010A 8 Mbyte ECC RAM board. (Total system RAM = 16 Mb)	8,000
Opt. 516		Add A1037A 16 Mbyte ECC RAM board	16,000.
Opt. 531†		Substitute one A1623A 32-Mbyte ECC RAM board for A1010A 8 Mbyte ECC RAM board. (Total system RAM = 32 Mb)	18,000.
Opt. 716		Substitute 98789A 16-inch color monitor for 98752A 19-inch color monitor	-3,125.
Opt. OE1		Powerfail battery backup	4,500.

* Options 003 and 004 cannot be ordered concurrently.

† Options 515 and 531 cannot be ordered concurrently. Limited to one Option 515 or one Option 531 per mainframe.

Model 835 Workstations

Product No./ Option No.	Component	Description	Price
A1050A	A1035A	Model 835CHX 2D Graphics Workstation. Pre-configured system consisting of: Model 835S SPU (does not include the 98186A 6-channel MUX) and common components plus:	\$59,500.
	A1020H	2D high-resolution graphics subsystem with 8-plane frame buffer and two overlay planes.	
	98556A	Integer-based graphics accelerator	
Opt. 005		Delete 98556A Integer-based Graphics Accelerator	-5,000.
Opt. 006		Add additional 98752A 19-inch subsystem. Must order HP-HIL devices (mouse, keyboard, etc.) separately.	20,600.
Opt. 007		Add additional 98789A 16-inch subsystem. Must order HP-HIL devices (mouse, keyboard, etc.) separately.	17,600.
A1045A	A1035A	Model 835SRX Solid Rendering Workstation. Pre-configured system consisting of: Model 835S SPU (does not include the 98186A 6-channel MUX) and common components plus:	\$69,500.
	A1017A	Display Controller Interface	
	98720A	SRX display controller with 8-plane frame buffer and four overlay planes.	
	• Opt. 721	3D Solid Rendering Graphics Accelerator	
	• Opt. 722	98722A Frame Buffer Board (8 planes)	
	98290A	RGB cable	
Opt. 016*		Add one 8-plane frame buffer board for a total of 16 planes plus 4 overlay planes.	4,000.
Opt. 024*		Add two 8-plane frame buffer boards for a total of 24 planes plus 4 overlay planes.	8,000.
Opt. 032*		Add three 8-plane frame buffer boards for a total of 32 planes plus 4 overlay planes. Note: This is a 36-plane system. Only 24 planes can be used for display. Four planes are designated for overlay. The remaining 8 planes are used with off-screen memory for a full 16-bit Z-buffer.	12,000.
A1055A	A1035A	Model 835 TurboSRX Solid Rendering Workstation. Pre-configured system consisting of: Turbo Model 835S (does not include the 98186A 6-channel MUX) SPU and common components plus:	\$63,500.
	A1017A	Display Controller Interface	
	98730A	TurboSRX display controller (with no accelerators) with 8-plane frame buffer and four overlay planes and RGB cable.	
Opt. 416**		Add one frame buffer card for a total of 16 planes plus 4 overlay planes.	4,000.
Opt. 424**		Add two frame buffer cards for a total of 24 planes plus 4 overlay planes.	8,000.
Opt. 608**		Add 3 accelerators for 3D solids and a full 16-bit Z-buffer (98732A) with a total of 8 planes plus 4 overlay planes.	17,000.
Opt. 616**		Add 3 accelerators for 3D solids and a full 16-bit Z-buffer (98732A) and one 8-plane buffer board (98722A) for a total of 16 planes plus 4 overlay planes.	21,000.
Opt. 624**		Add 3 accelerators for 3D solids and a full 16-bit Z-buffer (98732A) and two 8-plane frame buffer boards (98722A) for a total of 24 planes plus 4 overlay planes, and Starbase Radiosity and Ray Tracing Libraries. Note: This is a 44-plane system. Only 24 planes can be used for display. Four planes are designated for overlay. The remaining 16 planes are for a full 16-bit Z-buffer.	25,000.
Opt. 747		Substitute graphics interface (A1017A) with animated interface (A1047A)	4,100.

* Options 016, 024 and 032 cannot be ordered concurrently.

** Options 416, 424, 608, 616 and 624 cannot be ordered concurrently.

Model 835 Workstations

A1055A		Model 835 TurboSRX Animation Workstation. Must specify Opt. 747. Additional second seat interface must be ordered separately, see A1048A.	\$63,500.
Opt. 747		Replace the A1017A standard graphics interface with the A1047A graphics animation interface	4,100.
	A1035A	Pre-configured system consisting of: Model 835S (does not include the 98196A 6-channel MUX) SPU and common components plus:	
	A1017A 98730A	Display Controller Interface TurboSRX display controller (with no accelerators) with 8-plane frame buffer and four overlay planes and RGB cable.	
Opt. 416***		Add one frame buffer card for a total of 16 planes plus 4 overlay planes.	4,000.
Opt. 424***		Add two frame buffer cards for a total of 24 planes plus 4 overlay planes.	8,000.
Opt. 608***		Add 3 accelerators for 3D solids and a full 16-bit Z-buffer (98732A) with a total of 8 planes plus 4 overlay planes.	17,000.
Opt. 616***		Add 3 accelerators for 3D solids and a full 16-bit Z-buffer (98732A) and one 8-plane buffer board (98722A) for a total of 16 planes plus 4 overlay planes.	21,000.
Opt. 624***		Add 3 accelerators for 3D solids and a full 16-bit Z-buffer (98732A) and two 8-plane frame buffer boards (98722A) for a total of 24 planes plus 4 overlay planes, and Starbase Radiosity and Ray Tracing Libraries. Note: This is a 44-plane system. Only 24 planes can be used for display. Four planes are designated for overlay. The remaining 16 planes are for a full 16-bit Z-buffer.	25,000.

*** Options 416, 424, 608, 616 and 624 cannot be ordered concurrently.

PC-308 Instrument Controllers

Series 300 Instrument Controllers

Model PC-308, PC-312, and PC-315 Instrument Controllers

The PC-308, PC-312, and PC-315 instrument controllers are based on the HP Vectra Personal Computer with the BASIC Language Processor plug-in card. Within Series 300,

they are instrument and measurement control computers, but they also run all the PC-DOS software of the IBM-PC compatible HP Vectra. For information on interfaces

and accessories, please consult the Office Workstation Products Direct Price Guide, Pub. No. 5959-8736D.

Options Common to PC Instrument Controllers

To order appropriate keyboard option, order bundle part number and appropriate suffix for each localization.

Product/ Opt. No.	Component	Description	Price
		Localized options include power cords, monitors, PC kits and MS-DOS.	
E		English	
EB		Euro English	
ED		German	
EE		European Spanish	
EF		European French	
EK		ICON	
ES		Swedish	
EU		U.K. English	
EX		Finnish	
EZ		Italian	

PC-308 Instrument Controllers

Product/ Opt. No.	Component	Description	Price
		PC-308 Instrument Controllers	
		HP Vectra ES/12 SPU, 80286 compatible, 12 MHz. Includes 640 Kbytes RAM, single 1.44 Mbytes, 3 1/2-inch microfloppy disk drive, Vectra ES/12 PC Kit with AT2/DIN keyboard, Vectra ES/12 manuals, serial/parallel interface, Getting Started manual with 3 1/2-inch installation disk.	
	D1180A	Video Graphics Adapter	
	82300C	BASIC Language Processor — Release II with 1 Mbyte RAM (expandable to 4 Mbytes) and HP-IB port. Manuals and software on 3-1/2 inch and 5-1/4 inch disks	
	45951E	Vectra Disk Operating System with MS-DOS 3.3, Personal Applications Manager, File Manager and Utilities, 3 1/2-inch disks	
Opt. W03		Convert 1-year return-to-HP warranty to 90-day on-site warranty.	N/C

PC-308 Instrument Controllers

Product/ Opt. No.	Component	Description	Price
82314E		PC-308ML BASIC Controller Includes all components of PC-308 Controller plus 20 Mbytes hard disk drive. Note: Must order Option 001, 002 or 003; options cannot be ordered concurrently.	\$5,599.
Opt. 001	D1181W	14-inch Monochrome Video Graphics Display (white)	N/C
Opt. 002	D1181G	14-inch Monochrome Video Graphics Display (green)	N/C
Opt. 003	D1181A	14-inch Monochrome Video Graphics Display (amber)	N/C
		Note: To order appropriate keyboard option, order part no. 82314 and appropriate keyboard localization suffix.	
82315E		PC-308CL BASIC Controller Includes all components of PC-308 Controller plus 20 Mbytes hard disk drive.	\$6,099.
	D1182A 82959S	Video Graphics Color Display Tilt/Swivel Base	
		Note: To order appropriate keyboard option, order part no. 82315 and appropriate keyboard localization suffix.	
82319E		PC-308CM BASIC Controller Includes all components of PC-308 Controller plus 40 Mbytes hard disk drive.	6,499.
	D1182A 82959S	Video Graphics Color Display Tilt/Swivel Base	
		Note: To order appropriate keyboard option, order part no. 82319 and appropriate keyboard localization suffix.	

PC-312/315 Instrument Controllers

Product/ Opt. No.	Component	Description	Price
		PC-312/315 BASIC Controller HP Vectra SPU, 80386-compatible. Includes 1 Mbyte RAM, single 1.44 Mbyte 3 1/2-inch microfloppy disk drive, serial/parallel interface, keyboard, manuals and MS-DOS software.	
	D1182A	VGA Color Display	
	D1180A	Video Graphics Adapter	
	82300C	BASIC Language Processor — Release II with 1 Mbyte RAM (expandable to 4 Mbytes) and HP-IB port. Manuals and software on 3-1/2 inch and 5-1/4 inch disks	
	45951E	Vectra Disk Operating System with MS-DOS 3.3, Personal Applications Manager, File Manager and Utilities, 3 1/2-inch disks	
	82959S	Tilt/Swivel Base	
82332E		PC-312CL BASIC Controller Includes all components of PC-312/315 Controller with a Vectra QS/16S SPU, 80386SX 16 MHz microprocessor plus 40 Mbytes hard disk drive.	\$7,099.
		Note: To order appropriate keyboard option, order part no. 82332 and appropriate keyboard localization suffix.	
82333E		PC-312CM BASIC Controller Includes all components of PC-312/315 Controller with a Vectra QS/20 SPU, Intel 80386, 20 MHz microprocessor plus 40 Mbytes hard disk drive.	\$8,995.
Opt. W03		Convert 1-year return-to-HP warranty to 90-day on-site warranty.	N/C
		Note: To order appropriate keyboard option, order part no. 82333 and appropriate keyboard localization suffix.	
82334E		PC-315CN BASIC Controller Includes all components of PC-312/315 Controller with a Vectra RS/25C SPU, 80386S 25MHz microprocessor, plus 103 Mbytes hard disk drive and a 1.2 Mbyte 5.25-inch microfloppy disk drive.	12,945.
		Note: To order appropriate keyboard option, order part no. 82334 and appropriate suffix for each localization.	

Model 310 HP BASIC

Model 310 Instrument Controllers

Product/ Opt. No.	Component	Description	Price
		Model 310 Instrument Controllers	
		Model 310 SPU plus:	
	98616A	BASIC Language System software on 3 1/2-inch microfloppy disks	
	Opt. 044		
	Keyboard	Note: Must specify one keyboard option.	
		Note: This system does not include the HP-HIL ID Module. The module must be purchased separately if you plan to use application software which requires ID.	
		Note: Two DIO I/O and two DIO Accessory slots are available.	

Options Common to All Model 310 HP BASIC Instrument Controllers

Product/ Opt. No.	Component	Description	Price
Opt. 042		Substitute BASIC software on 5 1/4-inch floppy for BASIC on 3 1/2-inch microfloppy	N/C
Opt. 100		Delete manuals	-90.
Opt. 613		Delete BASIC Language System	-450.
Opt. 008		Add 98546A Display Compatibility Interface	1,010.
Opt. W03		Convert 1 year return-to-HP warranty to 90-day on-site warranty	N/C
		To delete the keyboard, specify a delete keyboard option:	
Opt. 05A		English version without keyboard; 120V	-210.
Opt. 05C		Canadian French version without keyboard; 120V	-210.
Opt. 05D		German version without keyboard; 220V	-210.
Opt. 05E		European Spanish version without keyboard; 220V	-210.
Opt. 05F		European French version without keyboard; 220V	-210.
Opt. 05K		ICON/European English version without keyboard; 220V	-210.
Opt. 05M		Latin Spanish version without keyboard; 120V	-210.
Opt. 05Z		Italian version without keyboard; 220V	-210.

Model 310 Instrument Controllers

Product/ Opt. No.	Component	Description	Price
98580B		Model 310MMA Monochrome Instrument Controller	6,800.
	35731A	Includes all components of Model 310 Controller plus: 12-inch Medium-resolution Monochrome Monitor (512 x 400)	
Opt. 002		Substitute Mbyte (512 Kbytes) on-board RAM for standard 1 Mbyte.	-900.
98581B		Model 310CMA Color Instrument Controller	\$9,920.
	98543A	Includes all components of Model 310 Controller plus:	
	35741A	Medium-resolution Color Graphics Board with RGB cable 12-inch Medium-resolution Color Monitor (512 x 400)	

Model 330 HP BASIC

Model 330 Instrument Controllers

Product/ Opt. No.	Component	Description	Price
		Model 330 Instrument Controllers	
	98562A	Model 330 SPU plus:	
	• Opt. 006	98242B 2-slot DIO Backplane	
	• Opt. 010	98262A High-speed HP-IB Disk Interface	
	98616A	BASIC Language System software on 3 1/2-inch microfloppy disks	
	• Opt. 044		
	Keyboard		
		Note: Must specify one keyboard option.	
		Note: This system does not include the HP-HIL ID Module. The module must be purchased separately if you plan to use application software which requires ID.	
		Note: One DIO I/O and DIO Accessory Slot are available.	

Options Common to All Model 330 HP BASIC Instrument Controllers

Product/ Opt. No.	Component	Description	Price
Opt. 042		Substitute BASIC software on 5 1/4-inch floppy for BASIC on 3 1/2-inch microfloppy	N/C
Opt. 015*		IEEE 802.3/Ethernet AUI LAN interface (used for ThickLAN, ThinLAN or StarLAN 10). (Must order MAU separately.)	N/C
Opt. 017*		IEEE 802.3/Ethernet LAN interface with ThinMAU and BNC "T" connector	N/C
Opt. 100		Delete manuals.	-90.
Opt. 613		Delete BASIC Language System	-450.
Opt. 618		Add BASIC 5.X Compiler. Includes BASIC 5.0/5.1 Compiler Disk and Manual kit. Compatible with all versions of BASIC 5.0 or later.	450.
Opt. W03		Convert 1 year return-to-HP warranty to 90-day on-site warranty	N/C
		To delete keyboard, specify a delete keyboard option:	
Opt. 05A		English version without keyboard; 120V	-210.
Opt. 05C		Canadian French version without keyboard; 120V	-210.
Opt. 05D		German version without keyboard; 220V	-210.
Opt. 05E		European Spanish version without keyboard; 220V	-210.
Opt. 05F		European French version without keyboard; 220V	-210.
Opt. 05K		ICON/European English version without keyboard; 220V	-210.
Opt. 05M		Latin Spanish version without keyboard; 120V	-210.
Opt. 05Z		Italian version without keyboard; 220V	-210.

* Must order Option 015 or 017; options cannot be ordered concurrently.

Model 330 Instrument Controllers

Product/ Opt. No.	Component	Description	Price
98580S		Model 330MMA Monochrome Instrument Controller	\$14,810.
		Includes all components of Model 330 SPU plus:	
	98542A	Medium-resolution Monochrome Graphics Board	
	35731A	12-inch Medium-resolution Monochrome Monitor (512 x 400)	
98581S		Model 330CMA Color Instrument Controller	18,370.
		Includes all components of Model 330 SPU plus:	
	98543A	Medium-resolution Monochrome Graphics Board	
	35741A	12-inch Medium-resolution Color Monitor (512x400)	

Model 332 HP BASIC

Model 332 HP BASIC Instrument Controllers

Product/ Opt. No.	Component	Description	Price
		Model 332 HP BASIC Instrument Controllers	
	98572A	Model 332 SPU plus:	
	98616A	BASIC Language System Software on 3 1/2-inch single-sided disks	
	Opt. 044		
	Keyboard	Note: Must specify one keyboard option.	
		Note: This system does not include the HP-HIL ID Module. The module must be purchased separately if you plan to use application software which requires ID.	
		Note: Two DIO I/O and two DIO Accessory slots are available.	

Options Common to all Model 332 HP BASIC Instrument Controllers

Product/ Opt. No.	Component	Description	Price
Opt. 008		Add 98546A Display Compatibility Interface	\$875. ✓
Opt. 042		Substitute BASIC software on 5 1/4-inch single-sided disks.	N/C
Opt. 100		Delete BASIC Reference Manuals.	-90.
Opt. 102*		Add 1 Mbyte RAM board for a total of 2 Mbytes.	700.
Opt. 104*		Substitute 4 Mbyte RAM board for 1 Mbyte RAM board for a total of 4 Mbytes RAM.	2,500.
Opt. 108*		Substitute 4 Mbyte RAM board plus 4 Mbytes RAM for a total of 8 Mbytes	6,500.
X Opt. 613		Delete BASIC license, media and manuals.	-450.
Opt. 618		Add BASIC 5X Compiler. Includes BASIC 5.0/5.1 compiler disk and manual. Compatible with all versions of BASIC 5.0.	450.
Opt. 882		Add 98284A MC68882 Floating Point Co-processor, 16.7MHz	500.
Opt. 05A		To delete the keyboard, specify a delete keyboard option:	
Opt. 05C		English version without keyboard; 120V	-210.
Opt. 05D		Canadian French version without keyboard; 120V	-210.
Opt. 05E		German version without keyboard; 220V	-210.
Opt. 05F		European Spanish version without keyboard; 220V	-210.
Opt. 05G		European French version without keyboard; 220V	-210.
Opt. 05K		ICON/European English version without keyboard; 220V	-210.
Opt. 05M		Latin Spanish version without keyboard; 120V	-210.
Opt. 05Z		Italian version without keyboard; 220V	-210.
Opt. W04		Convert 90-day on-site warranty to 1-year return-to-HP	N/C

* Opt. 102, Opt. 104 and Opt. 108 may not be ordered concurrently. May order only one Opt. 102, Opt. 104 or Opt. 108.

Model 332 Instrument Controllers

Product/ Opt. No.	Component	Description	Price
98580C		Model 332MMA Monochrome Instrument Controller	\$6,080.
	35731A	Includes all components of Model 332 SPU plus: 12-inch Medium-resolution monochrome monitor (512x400)	
98581C		Model 332CMA Color Instrument Controller	8,870.
	Opt. 003	Includes all components of Model 332 SPU plus: Delete monochrome graphics	
	98543A	Medium-resolution color graphics board with RGB cable	
	35741A	12-inch Medium-resolution color monitor (512x400)	

Model 332 HP BASIC/UX

Model 332 HP BASIC/UX Instrument Controllers

Product/ Opt. No.	Component	Description	Price
		Model 332 HP BASIC/UX Instrument Controllers	
98572A		Model 332 SPU plus:	
Opt. 104		4 MB RAM	
Opt. 882		MC68882 Floating Point Coprocessor	
46060B		HP-HIL 3-button Mouse	
46084A		HP-HIL ID Module	
98594L		HP-UX License-to-Use, AXE; PE; NS-ARPA, NFS Services/300; and X11	
98594A		Media and Documentation for 98594L; software on 1/4-inch tape cartridge	
98796L		HP BASIC/UX License-to-Use	
98796A		HP BASIC/UX media and documentation (1/4-inch tape) B1125A X Window System, Version 11 Media and documentation	
	Keyboard	Note: Must specify one keyboard option.	
		Note: Two DIO/IO and two DIO Accessory slots are available.	

Options Common to all Model 332 HP BASIC/UX Instrument Controllers

Product/ Opt. No.	Component	Description	Price
Opt. 100		Delete all media and documentation	\$-500.
Opt. 108		Add 4 MB RAM for a total of 8 MB	4,000.
Opt. 402		152 MB 7958B Disk Drive with all system software installed, high speed HP-IB disk interface (recommended for development systems)	4,560.
Opt. 403		304 MB 7959B Disk Drive with all system software installed, high speed HP-IB disk interface (recommended for development systems)	6,360.
Opt. W04		Convert 90-day on-site warranty to 1-year return-to-HP warranty	N/C

Model 332 Instrument Controllers

Product/ Opt. No.	Component	Description	Price
98580CX		Model 332 MMAX Monochrome HP BASIC/UX Instrument Controller	\$9,500.
		Includes all components of Model 332 HP BASIC/UX plus:	
	98572A	1024x768 Monochrome Graphics Interface	
	• Opt. 544		
	98786A	17-inch Monochrome monitor	
Opt. 003		Delete high-resolution graphics interface and monitor, add 512x400 graphics interface and no monitor	-1,500.
98581CX		Model 332 CMAX Color HP BASIC/UX Instrument Controller	12,500.
		Includes all components of Model 332 HP BASIC/UX plus:	
	98549A	1024 x 768 Color Graphics Board	
	98785A	16-inch Color Monitor	
	46081A	Buffer box with speaker	

Model R/332



Model R/332 Instrument Controllers

Product/ Opt. No.	Component	Description	Price
	Display Disk drive 98616A Opt. 045 Keyboard	<p>Standard models include: 9-inch Monochrome CRT with touch surface per ordering number below BASIC Language System Software on 3 1/2-inch microfloppy disks (and installed on hard disk)</p> <p>Note: Must specify one keyboard option (listed below). Note: This system does not include the HP-HIL ID Module. The module must be purchased separately if you plan to use application software which requires ID. Note: Four DIO I/O and four DIO Accessory slots are available.</p>	
Choose one ordering number:			
A1303A		R/332 with 3 1/2-inch floppy, BASIC, and Touchscreen	\$10,390.
A1305A		R/332 with 3 1/2-inch floppy, 20 Mbyte hard disk, BASIC, Touchscreen	12,390.
A1307A		R/332 with 3 1/2-inch floppy, 40 Mbyte hard disk, BASIC, Touchscreen	13,590.
MUST specify one localization:			
ABA		English manuals/United States keyboard/110V	N/C
ABU		English manuals/United Kingdom keyboard	N/C
ABD		German manuals/German keyboard	N/C
ABF		French manuals/French keyboard	N/C
ABJ		Japanese manuals/Katakana keyboard	N/C
ABK		English manuals/United States keyboard/230V	N/C
May choose one memory option (1 Mbyte is standard):			
102		2 Mbyte total RAM (two 1 Mbyte cards)	700.
104		4 Mbyte total RAM (one 4 Mbyte card)	2,500.
105		5 Mbyte total RAM (one 1 Mbyte, one 4 Mbyte)	3,500.
108		8 Mbyte total RAM (two 4 Mbyte cards)	6,500.
May choose either:			
100		Delete BASIC reference manuals	-90.
613		Delete BASIC entirely	-450.
May choose:			
001		Delete Touch	-400.
882		Add 98284A MC68882 Floating Point Co-processor, 16.7 MHz	500.
908		Include A1309A Rack Mount Kit.	50.
W03		Convert warranty to 90-day on-site	N/C
Accessories:			
A1308A		Series R Custom Engineering Kit	295.
A1309A		Series R Rack Mount Flange Kit (to fit around keyboard hinges)	50.
Use in combination with one of:			
1494-0059		Standard slide kit	100.
1494-0063		Standard tilting slide kit	190.
12679B		Stationary rails for HP Rack	70.

Model 360 HP BASIC

Model 360 HP BASIC Instrument Controllers

Product/ Opt. No.	Component	Description	Price
	98579A	Model 360 HP BASIC Instrument Controllers	
	• Opt. 006	Model 360 SPU plus:	
	• Opt. 010	98242B 2-slot DIO Backplane	
	98616A	98262A High-speed HP-IB Disk Interface	
	Opt. 044	BASIC Language System software on 3 1/2-inch microfloppy disks	
	Keyboard		
		Note: Must specify one keyboard option (listed on page 4)	
		Note: This system does not include the HP-HIL ID Module. The module must be purchased separately if you plan to use application software which requires ID.	
		Note: One DIO I/O and DIO Accessory slot are available.	

Options Common to All Model 360 HP BASIC Instrument Controllers

Product/ Opt. No.	Component	Description	Price
Opt. 042		Substitute BASIC software on 5 1/4-inch floppy for BASIC on 3 1/2-inch microfloppy	N/C
Opt. 015**		IEEE 802.3/Ethernet AUI LAN interface (used for ThickLAN, ThinLAN or StarLAN 10).	N/C
Opt. 017**		IEEE 802.3/Ethernet LAN interface with ThinMAU and BNC "T" connector	N/C
Opt. 108*		Add 4 Mbytes RAM for a total of 8 Mbytes RAM	\$5,040.
Opt. 112*		Add 8 Mbytes RAM for a total of 12 Mbytes RAM	9,780.
Opt. 116*		Add 12 Mbytes RAM for a total of 16 Mbytes RAM	14,200.
Opt. 613		Delete BASIC Language System	-450.
Opt. 618		Add BASIC 5.X Compiler. Includes BASIC 5.0/5.1 Compiler Disk and Manual kit. Compatible with all version of BASIC 5.0.	450.
Opt. 05A		To delete keyboard, specify a delete keyboard option:	
Opt. 05C		English version without keyboard; 120V	-210.
Opt. 05D		Canadian French version without keyboard; 120V	-210.
Opt. 05E		German version without keyboard; 220V	-210.
Opt. 05F		European Spanish version without keyboard; 220V	-210.
Opt. 05K		European French version without keyboard; 220V	-210.
Opt. 05M		ICON/European English version without keyboard; 220V	-210.
Opt. 05Z		Latin Spanish version without keyboard; 120V	-210.
		Italian version without keyboard; 220V	-210.

* Opt. 108, 112 and 116 cannot be ordered concurrently.

** Must order Options 015 or 017; options cannot be ordered concurrently

Model 360 Instrument Controllers

Product/ Opt. No.	Component	Description	Price
98580W		Model 360 MMA Monochrome Instrument Controller	\$14,400.
	98542A	Model 360 SPU plus:	
	35731A	Medium-resolution Monochrome Graphics Board	
		12-inch Medium-resolution Monochrome Monitor (512x400)	
98581W		Model 360 CMA Color Instrument Controller	14,900.
	98543A	Model 360 SPU plus:	
	35741A	Medium-resolution Color Graphics Board with RGB cable	
		12-inch Medium-resolution Color Monitor (512x400)	

Model 360 HP BASIC/UX

Model 360 HP BASIC/UX Instrument Controllers

Product/ Opt. No.	Component	Description	Price
		Model 360 HP BASIC/UX Instrument Controllers	
	98579A	Model 360 SPU plus:	
	• Opt. 006	98242B 2-slot DIO Backplane	
	• Opt. 010	98262A High-speed HP-IB Disk Interface	
	46060B	HP-HIL 3-button Mouse	
	46084A	HP-HIL ID Module	
	98594L	HP-UX License-to-Use, AXE; PE; NS-ARPA, NFS Services/300; and X11	
	98594A	Media and documentation for 98594L; software on 1/4-inch tape cartridge.	
	98796L	HP BASIC/UX License-to-Use	
	98796A	HP BASIC/UX media and documentation (1/4-inch tape)	
	B1152A	X Window System Version II media and documentation	
	Keyboard	Note: Must specify one keyboard option.	
		Note: One DIO I/O and Accessory slot are available.	

Option Common to All Model 360 HP BASIC/UX Instrument Controllers

Product/ Opt. No.	Component	Description	Price
Opt. 015		IEEE 802.3/Ethernet AUI LAN interface (used for ThickLAN, ThinLAN or StarLAN 10).	N/C
Opt. 017		IEEE 802.3/Ethernet LAN interface with ThinMAU and BNC "T" connector	N/C
Opt. 100		Delete media/documentation for HP BASIC/UX and HP-UX	-500.
Opt. 108*		Add 4 Mbytes RAM for a total of 8 Mbytes RAM	5,040.
Opt. 112*		Add 8 Mbytes RAM for a total of 12 Mbytes RAM	9,780.
Opt. 116*		Add 12 Mbytes RAM for a total of 16 Mbytes RAM	14,200.
Opt. 402		152 MB 7958B Disk Drive with all system software installed (recommended for development systems)	3,875.
Opt. 403		304 MB 7959B Disk Drive with all system software installed (recommended for development systems)	5,675.

* Opt. 108, 112 and 116 cannot be ordered concurrently.

** Must order Options 015 or 017; options cannot be ordered concurrently.

Model 360 Instrument Controllers

Product/ Opt. No.	Component	Description	Price
98580WX		Model 360MAX Monochrome HPB/UX Instrument Controllers	\$16,665.
	98572A	Includes all components of Model 360 HPB/UX Controller plus:	
	Opt. 544	1024x768 Monochrome Graphics Interface	
	98786A	17" Monochrome Monitor	
Opt. 003		Delete graphics subsystem (98544B graphics board and 98786A monitor)	-1,500.
98581WX		Model 360CMAX Monochrome HPB/UX Instrument Controllers	\$19,995.
	98550A	Includes all components of Model 360 HPB/UX Controller plus:	
	98789A	1280x1024 Color Graphics Board	
	46081A	16" Color Monitor	
		Buffer box with speaker	
Opt. 710		Substitute 1024x768 color graphics (98785A, 98549A) for 1280x1024 color graphics	-2,000.

Model V/360

Product/ Opt. No.	Description	Price
E1480A	V/360 Controller Embedded VXI Controller including: <ul style="list-style-type: none"> • MC68030 Processor, 25 MHz • MC68882 Floating Point Coprocessor, 25 MHz • 4 Mbytes built-in parity-checking RAM, expandable to 16 MHz • System Interface board with <ul style="list-style-type: none"> - IEEE-488 HP-IB interface - Audio Interface - HP-HIL Interface - RS-232C Serial Interface - Two-channel DMA Controller - IEEE 802.3/Ethernet AUI LAN interface (used for ThickLAN, ThinLAN or StarLAN 10. Must order MAU separately). • VXI Slot 0 board • HP-UX and BASIC/UX License-to-Use 	\$9,950
Opt. 010*	98262A High-speed HP-IB Disk Interface	990.
Opt. 011*	98265A SCSI Disk Interface	400.
Opt. 108	Add 4 Mbytes RAM for a total of 8 Mbytes RAM	5,040.
Opt. 112	Add 8 Mbytes RAM for a total of 12 Mbytes RAM	9,780.
Opt. 116	Add 12 Mbytes RAM for a total of 16 Mbytes RAM	14,200.
Opt. 500**	No graphics subsystem	N/C.
Opt. 542**	98542A Medium-resolution Monochrome Graphics Board, 512x480 (order 35731A/B monitor)	845.
Opt. 543**	98543A Medium-resolution 4-plane Color Graphics Board, 512x480 (order 35741A/B monitor)	1,340.
Opt. 544**	98544A High-resolution Monochrome Graphics Board, 1024x768 (order 98786A monitor)	1,610.
Opt. 549**	98549A High-resolution 6-plane Color Graphics Board, 1024x768 (order 98785A or 98751A monitor)	2,140.
Opt. 550**	98550A High-resolution, High-performance Color Graphics Board, 1280x1024 (order 98789A or 98752A monitor)	4,140.
E1481A	V/360 VXIbus Drivers, Media and Documentation Note: E1481 provides support for HP-UX and BASIC/UX. Operating Systems must be purchased separately. The E1481A requires prior or concurrent purchase of the E1481L.	200.
E1481L	V/360 VXIbus Drivers, License-to-use Note: E1481 provides support for HP-UX and BASIC/UX. Operating Systems must be purchased separately. The E1481A requires prior or concurrent purchase of the E1481L.	350.

* Option 010 and 011 cannot be order concurrently. May order only one Opt. 010 or 011.

Note: Must order monitor and keyboard and software separately.

** Must order one of options 500-550

Model 15NS Network Server

Series 300 Network Servers

Entry-Level Network Server

The Model 15NS Network Server is a limited-expansion server and therefore has no accessory slots available for interface and accessory cards. Its 304-Mbytes disk, 60-Mbytes tape, fast processor and low price make it ideal for workgroups of 4 to 10 clients.

High-Performance Network Server

The Model 25NS Network Server is a high-performance server. Its 571-Mbytes disk, 536-Mbytes tape, 8-MIPS processor and DIO-II expander make it ideal for workgroups of 8 to 35 clients.

Network Servers

Product/ Opt. No.	Component	Description	Price
98564F		Model 15NS Design Automation Network Server Includes: Model 340 SPU/with 8 Mbytes RAM and IEEE-488 High-speed Disk Interface 304 Mbytes Fixed Disk Drive 60 Mbytes 1/4-inch Tape Drive HP-UX License-to-Use AXE; PE; NS-ARPA, NFS Services/300; and X11 HP-UX Media and Documentation for 98594L; software on 1/4-inch tape cartridge HP-UX Programmers Documentation Set HP-HIL Keyboard HP Design Plus Cabinet Note: Must specify one localized version option Note: Must specify one HP-UX pre-load option (IAP, IAQ, IAR).	\$19,350.
Keyboard	7959B 9144A 98594L 98594A 98794A 46021A 92211R		
Opt. 015*		IEEE 802.3/Ethernet AUI LAN interface (used for ThickLAN, ThinLAN or StarLAN 10). (Must order MAU separately.)	N/C
Opt. 017*		IEEE 802.3/Ethernet LAN Interface with ThinMAU, BNC "T" connector, and 92227P Terminator Pair.	N/C
Opt. 1AP††		Pre-load HP-UX with 50 Mbytes swap space	N/C
Opt. 1AQ††		Pre-load HP-UX with 100 Mbytes swap space	N/C
Opt. 1AR††		Pre-load HP-UX with 150 Mbytes swap space	N/C
Opt. 112**		Add 4 Mbytes RAM for a total of 12 Mbytes RAM	4,250.
Opt. 116**		Add 8 Mbytes RAM for a total of 16 Mbytes RAM	8,500.
Opt. 401		Substitute 536 Mbytes 1/4-inch Tape Cartridge Autochanger for 60 Mbytes 1/4-inch Tape Drive	5,450.
Opt. 548†		Add MH graphics package. Includes 98548A, high-resolution monochrome graphics 98788A 19-inch high-resolution monochrome monitor (1280 x 1024); a 46060A, HP-HIL 2-button mouse; and a 46084A HP-HIL ID Module.	4,800.
Opt. 549†		Add C+ graphics package. Includes 98549 color graphics board; 98785 16-inch color monitor (1024 x 768); 46060A HP-HIL 2-button mouse; and 46084A HP-HIL ID Module.	5,500.
Opt. 550†		Add CH graphics package. Includes 98550A, high resolution color graphics board; 98789A 16-inch high-resolution color monitor (1280 x 1024); a 46060A, HP-HIL 2-button mouse; and a 46084A HP-HIL ID Module	7,000.

* Must order Option 015 or 017; options cannot be ordered concurrently.

** Options 112 and 116 cannot be ordered concurrently.

† Options 548, 549 and 550 cannot be ordered concurrently. If either Option 548, 549 or 550 is not ordered, a supported HP terminal is required to act as a system console.

†† Options 1AP, 1AQ and 1AR cannot be ordered concurrently.

Model 25NS Network Server

Product/ Opt. No.	Component	Description	Price
98566F		Model 25NS Design Automation Network Server Includes: Model 370 SPU/ with 8 Mbytes ECC RAM Direct Connect DIO II Expander 571-Mbytes Fixed Disk Drive 1/4-inch Tape Cartridge Autochanger HP-UX License-to-Use AXE; PE; NS-ARPA, NFS Services/300; and X11 HP-UX Media and Documentation for 98594L; software on 1/4-inch tape cartridge HP-UX Programmers Documentation Set HP-HIL Keyboard HP Design Plus Cabinet 1 Fixed Disk cabinet Note: Must specify one localized version option Note: Must specify one HP-UX pre-load option (IAP, IAQ, IAR, IAS).	\$56,300.
Keyboard	98579B 98570A 7937H 35401A 98594L 98594A 98794A 46021A 92211R 19511R		
Opt. 015*		IEEE 802.3/Ethernet AUI LAN interface (used for ThickLAN, ThinLAN or StarLAN 10). (Must order MAU separately.)	N/C
Opt. 017*		IEEE 802.3/Ethernet LAN interface with ThinMAU and BNC "T" connector	N/C
Opt. 1AP††		Pre-load HP-UX with 50 Mbytes swap space	N/C
Opt. 1AQ††		Pre-load HP-UX with 100 Mbytes swap space	N/C
Opt. 1AR††		Pre-load HP-UX with 150 Mbytes swap space	N/C
Opt. 1AS††		Pre-load HP-UX with 200 Mbytes swap space	N/C
Opt. 316†		Substitute 16 Mbytes ECC RAM for 8 Mbytes ECC RAM	12,350.
Opt. 332†		Substitute 32 Mbytes ECC RAM for 8 Mbytes ECC RAM	22,650.
Opt. 548**		Add MH graphics. Includes 98548A, high-resolution monochrome video board; a 98788A, 19-inch high-resolution monochrome monitor (1280 x 1024), a 46060A, HP-HIL 2-button mouse; a 46081A, 2.4m HP-HIL Extension with audio; and a 46084A HP-HIL ID Module.	2,400.
Opt. 549**		Add C+ graphics package. Includes 98549 color graphics board, 98785 16-inch color monitor (1024 x 768), 46060A HP-HIL 2-button mouse, and 46084A HP-HIL ID Module	5,500.
Opt. 550**		Add CH graphics package. Includes 98550A, high-resolution color graphics board with RGB cable; a 98752A, 19-inch high-resolution color monitor (1280 x 1024); a 46060A, HP- HIL 2-button mouse; a 46081A, 2.4m HP-HIL Extension with audio; and a 46084A HP- HIL ID Module.	9,800.

* Must order Option 015 or 017; options cannot be ordered concurrently.

** Options 548, 549 and 550 cannot be ordered concurrently. If either Option 548, 549 or 550 is not ordered, a supported HP terminal is required to act as a system console.

† Options 316 and 332 cannot be ordered concurrently.

†† Must order one Option 1AP, 1AP, 1AR or 1AS; options cannot be ordered concurrently.

Series 300 Workgroup Clusters

Series 300 Workgroup Clusters

The workstations listed in the following menu are available in discounted workgroup clusters for your convenience. The ME-CAD Workgroup Cluster detailed below offers a choice of

two server products, three 3D graphics workstations and nine 2D graphics workstations. By following the requirements of the A1082A Structured Solutions Menu, select five HP

9000 Series 300 systems and earn a 20% solution adjustment. This solution adjustment will apply to each product and each option to the products included in the menu.

Structured Solutions Menu

System Reference No.	Description	Solution Adjustment
A1082A	ME-CAD Workgroup Cluster Each A1082A ME-CAD Workgroup Cluster must include a total of one server product and exactly four workstation products, per the requirements detailed below:	20%

Product Group	Required or Optional Choice	Number of Choices	Model Number	Product Number
Server	Must order one and only one server product.	<input type="checkbox"/>	MOD 15NS SERVER	98564F
		<input type="checkbox"/>	MOD 25NS SERVER	98566F
3D Workstations*	Must order one 3D Workstation. Cannot exceed total of four.	<input type="checkbox"/>	MOD 370TURBOSRX	98587H
		<input type="checkbox"/>	MOD 360TURBOSRX	98587T
		<input type="checkbox"/>	MOD 370 SRX	98587G
2D Workstations*	Can order maximum of three 2D Workstations.	<input type="checkbox"/>	MODEL 370 CH	98588G
		<input type="checkbox"/>	MODEL 370C+	98583G
		<input type="checkbox"/>	MODEL 370 MH	98589G
		<input type="checkbox"/>	MODEL 360CH	98588W
		<input type="checkbox"/>	MODEL 360C+	98583W
		<input type="checkbox"/>	MODEL 360 MH	98589W
		<input type="checkbox"/>	MODEL 340 CH	98564G
		<input type="checkbox"/>	MODEL 340C+	98564C
		<input type="checkbox"/>	MODEL 340MH	98563G
SPU Accessories*	Can order maximum of five SPU accessories.	<input type="checkbox"/>	FLOAT PT ACC II	98248B
		<input type="checkbox"/>	EXPANDER (DIOII)	98570A
		<input type="checkbox"/>	8-SLOT EXPANDER	98568A

* Products not specifically listed in the menu above are *not* eligible for the 20% solution adjustment.

Field Upgrades (SPU)

Series 300 Upgrades and Component Returns

Product/ Opt. No.	Description	Price
98243C*	Model 310 CPU Field Upgrade to Model 332. Upgrade includes: MC68030 Processor board (98572-66510) 1 Mbyte RAM board (98269-66521)	\$4,000.
Opt. 0H0	Return credit for returning the Model 310 CPU board	-1,000.
Opt. 003	Delete graphics subsystem.	-500.
Opt. 102**	Add 1 Mbyte RAM board for a total of 2 Mbytes.	700.
Opt. 104**	Substitute 4 Mbyte RAM board for 1 Mbyte RAM board for a total of 4 Mbytes	2,500.
Opt. 544	Substitute high-resolution 1024 x 768 monochrome graphics interface for 512 x 400 medium-resolution.	500.
Opt. 882	Add 98284A MC68882 Floating Point Coprocessor, 16.7 MHz	500.
98269N***	Return credit for returning 98269A 1 Mbyte RAM from a Model 332 (max of 2)	-500.
98257N****	Return credit for returning 1 Mbyte RAM from the Model 310 SPU when upgrading to a Model 332	-300.
98620N†††	SPU	-100.
98635N†††	Return credit for returning DMA board from the Model 310 SPU when upgrading to a Model 332 SPU	-200.
98247A††	Model 330 CPU Field Upgrade to Model 360. Model 330 processor board must be returned to HP. Upgrade includes: • Model 360 processor board with 4 Mbytes RAM	6,310.
Opt. 108†	Add 4 Mbytes RAM for a total of 8 Mbytes RAM	5,040.
Opt. 112†	Add 8 Mbytes RAM for a total of 12 Mbytes RAM	9,780.
Opt. 116†	Add 12 Mbytes RAM for a total of 16 Mbytes RAM	14,200.
98258AN	Return credit for one 98258A 4 Mbytes RAM Controller	-1,000.
98247B††	Model 350 CPU Field Upgrade to Model 370. Model 350 processor board must be returned to HP. Includes: • 98579-66515 processor board	7,000.
98244C	Field Upgrade for Model 330/350/360/370 to Model 375 Model 375 CPU Board includes: 50 MHz MC68030, 50 MHz MC68882, 8 Mbytes ECC RAM, 4-Gbytes virtual memory address space, 64-bit memory bus. IEEE-488 HP-IB interface, SCSI interface, RS-232 serial interface, IEEE 802.3/Ethernet LAN interface w/ThinMAU and BNC "T" connector and AUI (jumper selectable) HP-HIL interface, Centronics interface, 2-channel DMA controller Built-in speaker Note: The RS-232 interface on the Model 375 board is not identical to existing 330/350/360/370 RS-232 interfaces. Must order new RS-232 cables.	12,995.
Opt. 0J0	Return credit for returned Models 360/370 CPU Board and System Interface Board	-4,000.
Opt. 0H0	Return credit for returned Models 330/350 CPU Board and System Interface Board	-2,000.
Opt. 010	Substitute high-speed HP-IB for SCSI	N/C
Opt. 116	Add 8-Mbytes ECC RAM for 16-Mbytes	5,000.
Opt. 124	Add 16-Mbytes ECC RAM for 24-Mbytes	10,000.
Opt. 132	Add 24-Mbytes ECC RAM for 32-Mbytes	15,000.
98267AN	Return credit for Model 360 4-Mbytes RAM board (98267A)	-1,000.
98267BN	Return credit for Model 360 8-Mbytes RAM board (98267B)	-2,000.
98267CN	Return credit for Model 360 12-Mbytes RAM board (98267C)	-3,000.
98258AN	Return credit for Models 330/350/370 4-Mbytes RAM board (98258A)	-1,000.
98258BN	Return credit for Models 350/370 4-Mbytes RAM board (98258B)	-1,000.
98258CN	Return credit for Models 350/370 12-Mbytes RAM board (98258C)	-3,000.
98264AN	Return credit for Models 350/370 8-Mbytes RAM board (98264A)	-2,000.
98248BN	Return credit for Model 350/370 16-Mbytes RAM board (98264B)	-4,000.
98248AN	Return credit for FPA 98248A	-1,000.
98248BN	Return credit for FPA 98248B	-600.

* Must have following, or later, version of operating system/language: HP BASIC 5.13, Pascal 3.22, or HP-UX 6.5

** Opt. 102 and Opt. 104 may not be ordered concurrently. Maximum quantity 1 Opt. 102 or Opt. 104

*** Must be ordered on same order as 98269B. Maximum quantity of 2, 98269N may be ordered with each 98269B. Replaced 98269A boards must be returned to HP for proper credit.

**** May be ordered with 98253C, option 104. Maximum of 2 per 98243C.

† Opt. 108, 112, and 116 cannot be ordered concurrently.

†† Must have following, or later version of operating system/language: HP BASIC 5.13, Pascal 3.22 or HP-UX 6.2

††† May only be ordered with 98243C.

Field Upgrades

Product/ Opt. No.	Description	Price
98433D	200 Mbyte internal SCSI disk drive upgrade kit	3,600.
98268A	Model 340 4-Mbytes parity-checking RAM add-on upgrade.	5,000.
	Note: A maximum of 16 Mbytes may be installed.	1,500.
98013A	D10 slot upgrade.	
	Note: This upgrade may be installed only if Option 006, 010 or 011 have not been previously specified.	
98235A	AUI LAN Upgrade. Used to convert LAN interface from ThinLAN to AUI.	200.
98237A	ThinLAN Upgrade. Used to convert LAN interface from AUI to ThinLAN.	200.
98571D	200 Mbyte internal SCSI disk drive Upgrade Kit.	3,600.
SPU Only Trade-In Credits		
98561AN	Model 310 SPU trade-in credit toward purchase of the Model 360 or Model 370 SPU	-1,300.
98561BN	Model 320 SPU trade-in credit toward purchase of the Model 360 or Model 370 SPU	-1,900.
98257N	Return credit for HP 98257A (max trade-in; 3 when purchasing a 4 Mbyte system, 7 when purchasing an 8 Mbyte or larger system)	-300.
98620N	Return credit for HP 98620A/B	-100.
98625N	Return credit for HP 98625A/B	-130.
98635N	Return credit for HP 98635A	-200.
98643N	Return credit for HP 98643A	-265.
98568AN	HP 98568A 8-slot expander trade-in credit toward purchase of any Model 360 or Model 370 SPU	-400.
98573AN	Model 319SRX SPU trade-in credit toward purchase of the Model 360 or Model 370 SPU	-1,500.
Opt. 0H1	Additional credit for trade-in of Model 319SRX SPU configured with 8 Mbyte system RAM	-700.
Opt. 0H2	Additional credit for trade-in of Model 319 SRX SPU configured with 12 Mbyte system RAM	-1,400.
Opt. 0H3	Additional credit for trade-in of Model 319SRX configured with 16 Mbyte system RAM	-2,100.
Bundle Trade-in Products		
98563BN	Model 318M trade-in credit toward purchase of the Model 360 or 370 SPU or Bundle	-1,325.
98564AN	Model 319C+ trade-in credit toward purchaes of the Model 360 or 370 SPU or Bundle	-2,000.
Opt. 0H1	Additional credit for trade-in of Model 319C+ configured with 8 Mbyte system RAM	-700.
Opt. 0H2	Additional credit for trade-in of Model 319C+ configured with 12 Mbyte system RAM	-1,400.
Opt. 0H3	Additional credit for trade-in of Model 319C+ configured with 16 Mbyte system RAM	-2,100.
Opt. 0H4	Additional credit for trade-in of Model 319C+ configured with high speed HP-IB disk interface	-160.
Opt. 0H5	Additional credit of trade-in of Model 319C+ configured with 10-inch color monitor	-620.

Boot ROM Updates

Boot ROM/Processor Board Updates

Product/ Opt. No.	Description	Price
98563-67001	<p>Rev. B Boot ROM for Model 310/320/330/350 to support the diskless node feature of HP-UX 6.0 or later. The following models which were shipped prior to 1 January 1988 require the Boot ROM update in order to use the diskless node feature. Note: HP-UX 6.0 or later does not require the Rev. B Boot ROM. Use of the diskless node feature of HP-UX 6.2 requires the newer version of Boot ROM.</p> <p>Model 310 systems with serial number prefixes prior to 2751Axxxxx, 2801Gxxxxx, or 2751Jxxxxx</p> <p>Model 320 systems with serial number prefixes prior to 2752Axxxxx, 2801Gxxxxx, or all xxxxJxxxxx</p> <p>Model 330 systems with serial number prefixes prior to 2740Axxxxx, 2752Gxxxxx, or 2740Jxxxxx</p> <p>Model 350 systems with serial number prefixes prior to 2747Axxxxx, 2801Gxxxxx, or 2747Jxxxxx</p> <p>98243A/B Model 310 to Model 320 Field Upgrade which included a 98561-66516 processor board</p> <p>Note: The Boot ROM must be installed by HP qualified personnel. Installation assistance may be purchased separately.</p> <p>Note: Model 310 systems with serial numbers less than 2522A02500 and Model 320 systems with serial numbers less than 2543A02300 require another update procedure. Please contact your local HP service office for more details.</p>	\$85.
98562-69013	<p>Model 330 Processor Board Update. Model 330 systems with serial number prefixes prior to 2740Axxxxx, 2801Gxxxxx, or 2740Jxxxxx which were shipped prior to 1 January 1988 require this update to support the 2D Integer-Based Graphics Accelerator, TurboSRX display controller or SCSI. This update includes a new processor board with Rev. C1 Boot ROM, which is a superset of the Rev. B Boot ROM, and a new system interface board. Old processor board and system interface board must be returned to HP.</p>	1,500.
98562-69517	<p>Model 350 Processor Board Update. Model 350 systems with serial number prefixes prior to 2747Axxxxx, 2801Gxxxxx, or 2747Jxxxxx which were shipped prior to 1 January 1988 require this update to support the 2D Integer-Based Graphics Accelerator, TurboSRX display controller or SCSI. This update includes a new processor board with Rev. C1 Boot ROM which is a superset of the Rev. B. Boot ROM. Old processor board must be returned to HP.</p>	1,600.

Series 800 Upgrades and Component Returns

CPU and Pre-configured System Upgrades

Product No./ Option No.	Description	Price
A1036A	Model 825 to 835 CPU Upgrade. Product includes a processor board and PDH board for upgrading an HP 9000 Model 825 to a Model 835. The upgraded product will not support an I/O expander and will require the return of the original Model 825 CPU boards. Requires HP-UX 2.1 or later. .	\$19,500.
A1038A	Model 825S to 835SE Multi-user Computer System Upgrade. Requires HP-UX 2.1 or later. Must specify media option AA0 or AA1. Pre-configured system upgrade consisting of: CPU upgrade I/O expander and additional Channel I/O Adapter 16 Mbytes ECC RAM Powerfail battery backup system 16- to 64-user HP-UX upgrade	70,000.
Opt. AA0	Software on 1/4-inch cartridge tape	N/C
Opt. AA1	Software on 1/2-inch 1600 cpi 9-track tape	N/C
Opt. 0AB	Substitute 32- to 64-user HP-UX upgrade for 16- to 64- user HP-UX upgrade (for customers already having a 32-user license). Must specify media option AA0 or AA1.	-5,250.
Opt. 0AC	Delete 16- to 64-user HP-UX upgrade; do not specify media option.	-13,125.
Opt. 1AB	Delete I/O Expander and additional Channel I/O Adapter	-9,000.
Opt. 0E4	Delete powerfail battery backup system	-5,000.
Opt. 517	Delete 8 Mbytes RAM	-8,000.
Opt. 518	Delete 16 Mbytes RAM	-16,000.
A1039A	Model 835S to 835SE Multi-user Computer System Upgrade. Pre-configured system consisting of: Additional Channel I/O Adapter and 8-slot I/O Expander Additional 16 Mbytes ECC RAM Powerfail battery backup system 16- to 64-user HP-UX upgrade	50,000.
Opt. AA0	Software on 1/4-inch cartridge tape	N/C
Opt. AA1	Software on 1/2-inch 1600 cpi 9-track tape	N/C
Opt. 0AB	Substitute 32- to 64-user upgrade for 16- to 64-user HP-UX upgrade (for customers already having a 32-user license). Must specify media option AA0 or AA1.	-5,250
Opt. 0AC	Delete 16- to 64-user HP-UX upgrade; do not specify media option.	-13,125.
Opt. 0E4	Delete powerfail battery backup system	-5,000.
Opt. 517	Delete 8 Mbytes RAM	-8,000
Opt. 518	Delete 16 Mbytes RAM	-16,000.

PC Emulation Products

SoftPC® (Series 300 and 800)

Product/ Opt. No.	Description	Price
98870L	SoftPC License-to-Use for Series 300 and Series 800. PC-AT emulation software.	\$700.
98870C	Series 300 SoftPC revision 2.0 media and documentation for 98870L. Requires prior or concurrent purchase of 98870L. Requires latest revision of HP-UX. Software on 1/4-inch tape cartridge.	150.
Opt. 100	Delete manuals	-75.
98876C	Series 800 SoftPC revision 2.0 media and documentation for 98870L. Requires prior or concurrent purchase of 98870L, or prior purchase of 98876A, 98877A or 98878A. Requires latest revision of HP-UX	150.
Opt. AA0	Software on 1/4-inch tape cartridge.	N/C
Opt. AA1	Software on 1/2-inch tape reel.	N/C
Opt. 100	Delete manuals.	-75.

DOS Coprocessor (Series 300 only)

Product/ Opt. No.	Description	Price
98286S	DOS Coprocessor System. Includes a 98286A DOS Coprocessor Interface Card and 98531A DOS Coprocessor Software revision 2.1. Requires a DIO-based accessory slot and the latest revision of HP-UX, minimum Application Execution Environment. Order media option below.	
Opt. 022	Software on 1/4-inch tape cartridge.	1,375.
Opt. W03	Convert 1 year return-to-HP warranty to 90-day on-site-repair.	N/C
98286A	DOS Coprocessor Interface Card. For use with 98531A DOS Coprocessor Software revision 2.1. Requires DIO I-based accessory slot.	1,010.
Opt. W03	Convert 1 year return-to-HP warranty to 90-day on-site-repair.	N/C
98531A	DOS Coprocessor Software revision 2.1. Includes License-to-Use, media and documentation. For use with 98286A DOS Coprocessor Interface Card. Requires latest revision of HP-UX, minimum Application Execution Environment. Order media option below.	N/C
Opt. 022	Software on 1/4-inch tape cartridge.	
98531K	Documentation Kit for DOS Coprocessor Software.	155.
98286D	DOS Coprocessor Diskless Node Kit. Includes a 98286A DOS Coprocessor Interface Card, License-to-Use for 98531A DOS Coprocessor Software revision 2.1 and complete documentation. Requires a DIO I-based accessory slot and the latest revision of HP-UX, minimum Application Execution Environment.	1,280.
Opt. 100	Delete manuals.	-100.
Opt. W03	Convert 1 year return-to-HP warranty to 90-day on-site repair.	N/C
98286T	DOS Coprocessor Memory Enhancement Kit for Models 310 and 320. Includes a 98286S DOS Coprocessor System and one 98257A 1 Mbyte RAM card. Requires two DIO I-based accessory slots and the latest supported revision of HP-UX, minimum Application Execution Environment. Order media option below.	2,335.
Opt. 022	Software on 1/4-inch tape cartridge.	N/C
Opt. W03	Convert 1 year return-to-HP warranty to 90-day on-site repair.	460.
D1387A	80287 8MHz Numeric Coprocessor. For use on the 98286A DOS Coprocessor Interface Card.	460.

PC Emulation Floppy Disk Storage

Product/ Opt. No.	Description	Price
9127A	360 Kbyte, Single 5 1/4-inch Floppy Disk Drive	1,090.
9122C	2 Mbyte, Dual 3 1/2-inch Microfloppy Disk Drive (1.42 Mbyte formatted).	1,465.
Opt. 001	Delete one microfloppy	-315.

VMEbus Connection (300)

Product/Opt. No.	Description	Price
98577A*	VMEbus Expander (4 slots). Includes Series 300 HP-UX Driver Development Guide and VME Accessory Development Guide.	\$4,955.
Opt. 100	Delete manuals	-50.
98646A	HP 9000 VMEbus Adapter . Includes DIO interface card, VME card, interconnecting cable, and hardware manual. (98358X software driver required for BASIC 4.0/5.0.)	1,295.
98358A	VMEbus Software Drivers for 98646A	
Opt. 244	Pascal Driver on 3 1/2-inch microfloppy with manual	109.
Opt. 242	Pascal Driver on 5 1/4-inch floppy disk with manual	109.
Opt. 322	HP-UX Driver on 1/4-inch tape cartridge	219.
Opt. 344	HP-UX Driver on 3 1/2-inch microfloppy with manual	219.
98358R	Right-to-Reproduce VMEbus Software Drivers for 98646A	
Opt. 200	Right-to-reproduce Pascal Driver and manual	55.
Opt. 300	Right-to-reproduce HP-UX Driver and manual	109.
Opt. 400	Right-to-reproduce BASIC 4.0/5.0 Driver and manual	55.

* Model 330 systems shipped prior to 1 January 1988 require a processor upgrade for use with 98577a. See service note #98562A-1.

Graphics Boards/Monitors

Product/Opt. No.	Description	Price
A1086A	HP Intelligent Graphics Controller 10 , Opt. ABA, high-resolution graphics card for use with all PCs.	\$995.
A1087A	HP A1087A Extension Module	200.
A1084A	HP A1084A VRAM Kit	400.
A1085A	HP A1085A DRAM Kit	225.
98542A	Medium-resolution Monochrome Graphics Board , 512 x 400 (order 35731A/B monitor)	850.
98543A	Medium-resolution 4-plane Color Graphics Board , 512 x 400 (order 35741A/B monitor)	2,555.
98544B	High-resolution Monochrome Graphics Board , 1024 x 768 (order 98786A monitor)	1,495.
98546A	Display Compatibility Interface , 512 x 400. Low-resolution monochrome alpha/graphics board set with cables for Series 200 display compatibility (order 35731A/B or 35741A/B monitor).	900.
98547A	High-resolution 6-plane Color Graphics Board (C) , 1024 x 768 (order 98751A or 98785A monitor)	4,785.
98548A	High-resolution, High-performance Monochrome Graphics Board (MH) , 1280 x 1024 (order 98788A monitor)	2,290.
98549A	High-resolution, High-performance Color Graphics Board (C+) , 1024 x 768, 6-plane (order 98751A or 98785A monitor)	4,635.
98550A	High-resolution, High-performance Color Graphics Board (CH) , 1280 x 1024, 8 planes plus 2 overlay planes (order 98789A or 98752A monitor).	5,740.

Monitors

Product/Opt. No.	Description	Price
35731A	12-inch Medium-resolution Monochrome Monitor (512 x 400), 60 Hz, 115 Vac (for use with 98542A graphics board or 98561A/98546A display output).	\$350.
35741A	12-inch Medium-resolution Color Monitor (512 x 400), 60 Hz, 115 Vac (for use with 98543A graphics board).	1,290.
98751A	19-inch High-resolution Color Monitor (1024 x 768), 60 Hz, 115/230 Vac (for use with 98700A display controller, 98547A or 98549A graphics board). Tilt/swivel available (order 98787B below).	6,850.
98752A	19-inch High-resolution Color Monitor (1280 x 1024), 60 Hz, 115/230 Vac (for use with 98550A graphics board or the 98720A/98730A display controller). Tilt/swivel available (order 98787B below).	6,850.
98785A	16-inch High-resolution Color Monitor (1024 x 768), 60 Hz, 115/230 Vac (for use with the 98700A display controller or 98547A/49A graphics board). Tilt/swivel available (order 98787B below).	3,725.
98786A	17-inch High-resolution Monochrome Monitor (1024 x 768), 60 Hz, 115/230 Vac (for use with 98544B graphics board).	2,125.
98787B	Tilt/swivel for 98751A, 98752A, 98785A, 98788A, 98789A monitors.	315.
98788A	19-inch High-resolution Monochrome Monitor (1280 x 1024), 60 Hz, 115/230 Vac (for use with 98548A graphics board). Tilt/swivel available (order 98787B below).	2,190.
98789A	16-inch High-resolution Color Monitor (1280 x 1024), 60 Hz, 115/230 Vac (for use with 98550A graphics board or the 98720A/98730A display controller). Tilt/swivel available (order 98787B below).	3,725.

Graphics Accessories

Product/Opt. No.	Description	Price
98290A	3-meter RGB cable	\$195.
98556A	2D Integer-Based Graphics Accelerator. For use with HP 9000 workstations equipped with the 98550A (CH) graphics boards. <i>Model 330 and 350 systems shipped prior to 1 January 1988 require processor board exchange for use of HP 98556A graphics accelerator.</i>	6,250.
98720A	SRX 3D Display Controller. Includes four display planes, power cord and keyboard cable. Not included: RGB cable (98290A), Series 300 Display Controller interface (98725A) for Models 330/350, 360/370, 345/375, Series 800 Display Controller interface (A1017A or A1047A) for Models 825/834/835 or monitor (98789A or 98752A). Note: <i>The four display planes are used as a frame buffer if no other frame buffer boards are installed. When frame buffer boards are added, these four planes become alpha overlay planes.</i>	4,610.
Opt. 721	Add graphics accelerator	4,160.
Opt. 722	Add eight planes frame buffer memory. (Maximum of four Opt. 722 per 98720A.) Note: <i>Must order one additional power supply (Opt. 723) when more than eight plane are added to frame buffer memory.</i>	4,000.
Opt. 723	Additional power supply, required for use with a 16-, 24-, or 32-plane 98720A system. (Order once only.)	605.
98721A	3D Solid Rendering Graphics Accelerator for use with 98720A	5,150.
98722A	Frame Buffer Board. Adds eight planes frame buffer memory. Order additional power supply as described under SRX (98720A) or TurboSRX Display Controller (98730A). Note: Maximum of four 98722A boards for SRX display controller (98720A). Maximum of three 98722A boards for TurboSRX Display Controller (98730A).	4,000.
98723A	Additional Power Supply. Note: Required for use with 98720A system of 16-, 24- or 32-planes. Required for use with any 98730A system different from base configuration of 8 planes.	1,005.
98725A	16-bit Display Controller Interface to 98720A (for Models 330, 350, 360, 345, 370 and 375 only).	870.
98726A	32-bit Display Controller Interface to 98730A (for Models 345, 350, 360, 370 and 375 only).	870.
98730A	TurboSRX 3D Display Controller. Includes four overlay planes and eight display planes, power cord, RGB cable (98790A), keyboard cable, and additional power supply. Not included: Series 300 Display Controller Interface (98726A) for Models 345/350/360/370/375; Series 800 Display Controller Interface (A1017A or A1047A) for 834/385, or monitor (98789A or 98752A). Note: <i>Requires Boot ROM Rev. C1 or IODC ROM.</i>	17,500.
Opt. 016*	Add one 8-frame buffer board for a total of 16 planes.	4,000.
Opt. 024*	Add two 8-frame buffer boards for a total of 24 planes.	8,000.
Opt. 060	Add 3D solid rendering graphics accelerator and full 16-bit Z-buffer.	21,000.
Opt. 123**	Delete power supply for systems with 8 planes and no accelerator ONLY.	-900.
98732A	Three 3D Solid Rendering Graphics Accelerators and full 16-bit Z-buffer for use with the 98730A (requires 2 power supplies)	21,000.

* Options 016 and 024 cannot be ordered concurrently.

** Options 016, 024 or 060 cannot be ordered concurrently with Option 123.

Graphics Upgrades

Product/Opt. No.	Description	Price
Note: Replaced graphics component must be returned to HP for proper credit. One return credit allowed for each comparable new component ordered.		
35731N	Return credit for 12-inch Monochrome Monitor (35731A/B). Must be ordered with 98751A, 98752A, 98786A, 98788A, or 98789A	\$-130.
35741N	Return credit for 12-inch Color Monitor (35741A/B). Must be ordered with 98751A, 98752A, 98785A, 98786A, 98788A, or 98789A.	-480.
97060N	Return of 97060T system	-5,000.
98285A*	Graphics upgrade kit for Model 332. Replaces on-board 512 x 400 monochrome graphics with on-board 1024 x 768 monochrome graphics. Field installable.	700.
98287N	Return credit for 98700A Interface to Series 300 (98287A). Must be ordered with 98725A, 98724A, or A1017A.	-170.
98288N	Return credit for Display Station Buffer (98288A). Must be ordered with 98725A, 98724A, or A1017A.	-180.
98542N	Return credit for Monochrome Graphics Board (98542A). Must be ordered with 98544A, 98547A, 98548A, 98549A, 98550A, 98720A, or 98730A.	-330.
98543N	Return credit for 4-plane Graphics Board (98543A). Must be ordered with 98544A, 98547A, 98548A, 98549A, 98550A, 98720A, or 98730A.	-990.
98544N	Return credit for Monochrome Graphics Board (98544A/B). Must be ordered with 98547A, 98548A, 98549A, 98550A, 98720A, or 98730A.	-575.
98547N	Return credit for 6-plane Color Graphics Board (98547A/98545A). Must be ordered with 98548A, 98549A, 98550A, 98720A, or 98730A.	-1,855.
98548N	Return credit for Monochrome Graphics Board (98548A). Must be ordered with 98549A, 98550A, 98720A, or 98730A.	-555.
98549N	Return credit for Color Graphics Board (98549A). Must be ordered with 98720A, 98722A, and 98730A.	-1,125.
98550N	Return credit for Color Graphics Board (98550A). Must be ordered with 98720A, 98722A, and 98730A.	-1,395.
98556N	Return credit for 2D Integer-based Graphics Accelerator (98556A). Must be ordered with 98721A or 98732A.	-1,515.
98700N	Return credit for Display Controller (98700A). Must be ordered with 98549A, 98550A, 98720A, or 98730A.	-2,170.
98701N	Return credit for 4-plane Graphic Memory Upgrade (98701A). Must be ordered with 98700N and 98722A, or 98700N and 98550A.	-1,120.
98710N	Return credit for Graphics Accelerator (98710A). Must be ordered with 98556A, 98721A, or 98732A.	-3,000.
98733A	Upgrade to TurboSRX from 8-plane Series 300 SRX. Includes high-resolution display controller, 98726A interface, one power supply, two frame buffer boards, 3D graphics accelerator, 16-bit Z-buffer and Boot ROM Rev. C1, which is a superset of Rev. B Boot ROM, and a new system interface board. Must return 98720A, 98721A, 98724/5A. No trade discounts apply. Systems with Boot ROMs prior to Rev. B require a processor board upgrade.	36,000.
Opt. 016	Upgrade for 16-plane SRX. Delete one frame buffer board and one power supply.	-4,000.
Opt. 024	Upgrade for 24-plane SRX. Delete two frame buffer boards and one power supply.	-8,000.
Opt. 032	Upgrade for 32-plane SRX. Delete two frame buffer boards and one power supply. Must return one 98722A frame buffer board.	-12,000.
98734A	Upgrade to TurboSRX from 8-plane Series 800 SRX. Includes high-resolution display controller, one power supply, two frame buffer boards, 3D graphics accelerator, 16-bit Z-buffer, new IODC ROM. Must return 98720A, 98721A, IODC ROM. No trade discounts apply.	36,000.
Opt. 016	Upgrade for owners of 16-plane Model 825SRX. Deletes one frame buffer board and one power supply.	-4,000.
Opt. 024	Upgrade for owners of 24-plane Model 825SRX. Deletes one frame buffer board and one power supply.	-8,000.
Opt. 032	Upgrade for owners of 32-plane Model 825SRX. Deletes one frame buffer board and one power supply. Must return one 98722A frame buffer board.	-12,000.
A1017A	Series 800 32-bit Display Controller Interface for 98720A, 98730A and A1020A.	2,500.
A1020A	Series 800 2D Graphics Processor.	3,800.

* No return credit applies with purchase of 98285A.

Graphics Upgrades

Product/Opt. No.	Description	Price
A1020H	Series 800 2D High-resolution Graphics Subsystem. Includes A1020A graphics processor, A1017A interface and cable, 98550A high-resolution color graphics board, and RGB cable. Must order monitor (98752A or 98789A) and input devices such as keyboard (46021A) and mouse (46060A) separately.	\$11,800.
A1047A	Graphics Animation Interface. Includes one mid-bus graphics DMA controller board, one CIO to LGB interface, one single seat interconnect cable, and one LGB cable.	6,600.
Opt. 222	Second Seat add-on.	2,200.
A1048A	Second Seat Add-on for A1047A. Includes one CIO to LGB interface, one two-seat interconnect cable, and one LGB cable.	2,400.
98751N	Return credit for 19-inch Color Monitor (98751A). Must be ordered with 98752A.	-2,400.
98782N	Return credit for 19-inch Color Monitor (98782A). Must be ordered with 98752A.	-2,400.
98785N	Return credit for 16-inch Color Monitor (98785A). Must be ordered with 98751A, 98752A, or 98789A.	-1,450.
98786N	Return credit for 17-inch Monochrome Monitor (98786A/98781A). Must be ordered with 98751A, 98752A, 98785A, 98788A, or 98789A.	-825.
98788N	Return credit for 19-inch Monochrome Monitor (98788A). Must be ordered with 98751A, 98752A, 98785A, or 98789A.	-850.
98789N	Return credit for 16-inch Color Monitor (98789A). Must be ordered with 98752A.	-1,450.

HP-HIL Input Devices

Product/Opt. No.	Description	Price
M1309A	Trackball HP-HIL Input Device	\$302.
35723A	HP-HIL Touchscreen bezel for 12-inch monitors 35731A and 35741A	530.
45911A	HP-HIL Digitizer , 11" x 11", 12 lines per inch resolution	510.
46021A	HP-HIL Keyboard (U.S. English version). Cable comes with SPU or can be ordered separately.	225.
46060A	HP-HIL 2-button Mouse	155.
46060B	HP-HIL 3-button Mouse	180.
46080A	2.4 meter HP-HIL Extension	89.
46081A	2.4 meter HP-HIL Extension with audio	225.
46082A	15 meter HP-HIL Remote Extension with audio and RGB video	795.
Opt. 015	Delete RGB and Remote	-335.
Opt. 343	Delete RGB cables	-120.
46082B	30 meter HP-HIL Remote Extension with audio and RGB video	1,115.
46083A	HP-HIL Knob	205.
46084A	HP-HIL ID Module	200.
46085A	HP-HIL Control Dial Module	1,450.
46086A	HP-HIL 32-button Box with 32 user-definable special-function keys and one user programmable LED	965.
46087C	HP-HIL Digitizer, ANSI A/ISO A4-size includes tip-switch stylus	875.
Opt. W03	Convert 1-year Return-to-HP warranty to 90-day on-site warranty	N/C
46088C	HP-HIL Digitizer, ANSI B/ISO A3-size includes tip-switch stylus	1,405.
Opt. W03	Convert 1-year Return-to-HP warranty to 90-day on-site warranty	N/C
46090C	HP-HIL Digitizer, ANSI A/ISO A4-size includes 4-button cursor with crosshair	875.
Opt. W03	Convert 1-year Return-to-HP warranty to 90-day on-site warranty	N/C
46091C	HP-HIL Digitizer, ANSI B/ISO A3-size includes 4-button cursor with crosshair	1,405.
	Convert 1-year Return-to-HP warranty to 90-day on-site warranty	N/C
46094A	Quadrature Port allows devices using Logitech quadrature signals to be connected to HP-HIL interface	170.
46095A	3-button Mouse interfaces to HP-HIL via 46094A Quadrature Port	150.
92916A	HP-HIL Bar Code Reader for commercial and industrial bar code applications	645.
98203C	HP-HIL Keyboard with rotary knob for BASIC and Pascal systems. US ASCII. 830.	830.
Opt. 001	Field Upgrade Kit for Series 300 models shipped before 1 September 1986	45.

Interface Products

Series 300

Product/ Opt. No.	Description	DIO Slot		Price
		Accessory/ Memory	Interface	
50955A	3278 Display Station Emulator (interface and software)		X	N/C
Opt. 042	Software on 5 1/4-inch floppy disk			1,700.
Opt. 044	Software on 3 1/2-inch microfloppy disk			1,700.
50962A	SRM Coax Interface for Series 200 and 300 systems		X	970.
98235A	AUI LAN Upgrade (340 only). Replaces ThinLAN interface with AUI.			200.
98237A	ThinLAN Upgrade (340 only). Replaces AUI interface with ThinLAN.			200.
98253A	EPROM Programmer Interface (98255A)		X	1,595.
98255A	EPROM Card , 16 sockets for 2764 or 27128 EPROM ICs	X		320.
98256A	256 Kbytes RAM Card for Models 310 and 320	X		635.
98257A	1 Mbyte RAM Card with parity check for Models 310 and 320	X		1,770.
98262A	HP-IB Disk Interface, high-speed			990.
98265A	SCSI Single-ended Board			1,135.
98259A	128 Kbytes Magnetic Bubble Memory Card	X		2,025.
98546A	Display Compatibility Interface , 512 x 400. Medium-resolution monochrome alpha/graphics board set with cables for Series 200 display compatibility (order 35731A/B or 35741A/B monitor).		X	900.
98620B	Two-channel DMA Controller Card for Models 310 and 320	X		530.
98622A	16-bit GPIO Interface Card		X	390.
Opt. 001	Add 4.6m unterminated cable (P/N 5061-4209)			111.
Opt. 002	Add 0.8m terminated cable for 9885M Flexible Disk Drive (P/N 5061-4211)			111.
Opt. 003	Add 4.6m terminated cable for 6940A/B Multiprogrammer (P/N 5061-4210)			145.
Opt. 004	Add 2.5m terminated cable for 9866A/B Thermal Printer (P/N 5061-4212)			196.
98623A	43-line BCD Interface Card		X	425.
Opt. 001	4.6m unterminated cable (P/N 5061-4217)			116.
98624A	HP-IB Interface standard speed		X	365.
10833A	1m HP-IB cable			80.
10833B	2m HP-IB cable			90.
10833C	4m HP-IB cable			100.
10833D	0.5m HP-IB cable			80.
98625B	HP-IB Disk Interface, high speed		X	830.
98626A	RS-232C (Serial) Interface		X	415.
Opt. 001	DTE (male) RS-232C cable (P/N 5061-4215)			83.
Opt. 002	DCE (female) RS-232C cable (P/N 5061-4216)			83.
98627A	RGB Color Video Output Interface with cables		X	1,075.
98628A	Datacomm Interface , RS-423 and RS-232C		X	540.
Opt. 001	DTE (male) RS-232C cable (P/N 5061-4215)			96.
Opt. 002	DCE (female) RS-232C cable (P/N 5061-4216)			96.
Opt. 003	DCE (female) RS-449/423 cable (P/N 5061-4250)			196.
98630A	Breadboard Interface	X		340.
Opt. 001	Service Extender			110.
98633A	6944A Multiprogrammer Interface . For use with HP 6944A Multiprogrammer. <i>Note: Requires HP 14753A Computer-Aided Test Software Package.</i>		X	460.
98635A	Floating Point Math Card for Model 310	X		1,035.
98640A	7-channel Analog-to-Digital Interface		X	1,100.
Opt. 001	Delete diagnostic software and test hood			-75.
Opt. 630	Diagnostic software on 3 1/2-inch microfloppy			N/C
Opt. 655	Diagnostic software on 5 1/4-inch floppy			N/C

Interface Products

Series 300 (cont'd)

Product/ Opt. No.	Description	DIO Slot		Price
		Accessory/ Memory	Interface	
98641A Opt. 001	RJE 2780/3780 Interface. For use with HP-UX and 50967A RJE software. V.35		X X	1,395. 795.
98642A Opt. 001	4-port RS-232C Multiplexer Delete all cables		X	670. -100.
98643A Opt. 241	LAN/300 Link with ThinMAU. For use with Models 310, 320, 332, and R/332, or for additional LAN interfaces. Requires 50952L/C. Delete ThinMAU and BNC "T" connector		X	1,445. -350.
98644A	RS-232C Serial Interface		X	212.
98646A	VMEbus Adapter. Includes DIO interface card, VME card, interconnecting cable, and hardware manual. (Requires 98358A software driver.)		X	1,295.
98658A	DIO-I SCSI Host Adapter		X	1,000.
98691A Opt. 001	Programmable Datacomm Interface DTE (male) RS-232C cable (P/N 5061-4215)		X	725. 106.
Opt. 002	DCE (female) RS-232C cable (P/N 5061-4216)			106.
Opt. 003	DTE (male) RS-449/423 cable (P/N 5061-4250)			196.

Interface Products

Series 800 I/O Cards

Product No./ Option No.	Description	Price
27110B	HP-IB Interface card (channel) and 2.0m HP-IB cable. Opt. 800 is required.	\$1,630.
Opt. 0B0	Delete manual	-20.
Opt. 800	Substitute cable for use with Series 800	N/C
27111A	Fiber Optic Peripheral Interface Card. Allows Series 800 systems to connect to 7936FL and 7937FL discs via the channel I/O backplane.	5,970.
Opt. 001	Delete 30 metre fiber optic cable	-200.
Opt. 002	Add 12-inch loopback cable HFBR-3020	95.
27114A	Parallel Asynchronous FIFO Interface	1,780.
Opt. 0B0	Delete 27114-90001 manual	-20.
Opt. 002	Add 27114-60002 loopback hood	34.
Opt. 003	Substitute single-ended cable for differential	N/C
Opt. 004	Replace 3m cable with 12m differential cable	72.
Opt. 005	Delete 3m cable	-200.
27114B	New Parallel Asynchronous FIFO Interface (AFI)	2,090.
Opt. 0B0	Delete 27114-90001 manual	-20.
Opt. 002	Add 27114-60002 loopback hood	30.
Opt. 003	Substitute single-ended cable for differential	20.
Opt. 004	Replace 3m cable with 12m differential cable	70.
Opt. 005	Delete 3m cable	-198.
27116A	HP-CIO Service Extender card	450.
98196A	Asynchronous 6-channel CIO Multiplexer	2,675.
Opt. 0B0	Delete manual	-20.
Opt. 001	Add 28569-63004 10.0m panel extension cable	385.
Opt. 019	Add 5061-4962 19-inch EIA panel rackmount adaptor	44.
Opt. 550	Add 5001-5280 panel mounting bracket (for 92211R Mini-Rack)	23.
98197A	Ten 6-channel CIO Muxes	22,567.
98199A	Twenty 6-channel CIO Muxes	39,825.
40299A	Asynchronous 8-channel HP-PB Multiplexer	1,950.
Opt. 0B0	Delete manual and loopback connector	-25.
27140-60003	Test Hood	30.
28650A	HP-IB Interface for HP-PB Series 800	1,450.
Opt. 0B0	Delete Installation and Reference Manual	0.
Opt. 001	Delete Cable	0.
28651A	HP-PB General Purposes I/O Parallel I/F	1,490.
Opt. 0B0	Delete Documentation	0.
Opt. 001	Delete 7.6m Unterminated Cable	-100.
Opt. 003	Adds Loopback Hood	20.
28667A	Real-Time Interface. Includes Real-Time Interface card and run-time software. SBX card and cable not included.	2,000.
Opt. AA0	Software on 1/4-inch cartridge tape	N/C
Opt. AA1	Software on 1/2-inch 1600 cpi 90-track tape	N/C
Opt. 0B0	Delete manuals	-50.
Opt. 0CC	Revision upgrade for users not on support services. Requires prior purchase of original product.	-1,500.
28668A	Real-Time Interface with 8-channel Serial SBX. Includes Real-Time Interface card, 8-channel Serial SBX card with RS-232C cable and 8-port junction box, and run-time software.	2,900.
Opt. AA0	Software on 1/4-inch cartridge tape	N/C
Opt. AA1	Software on 1/2-inch 1600 cpi 90-track tape	N/C
Opt. 001	Replace RS-232C cable and junction box with RS-422/432 cable	-100.
Opt. 0B0	Delete manuals	-50.
Opt. 0CC	Revision upgrade for users not on support services. Requires prior purchase of original product.	-2,400.
28672A	8-channel Serial SBX Card	650.
Opt. 001	Add RS-232C cable for 28667A and junction box	250.
Opt. 002	Add RS-422/423 cable for 28667A	150.

Series 300 Operating Systems

HP-UX Operating System

Product/Opt.	Description	Price
98594L	HP-UX Release 7.0 Software Bundle License-to-Use, 2 user. Includes AXE (98515L), PE (98957L), NS (B1012A), ARPA (B1014A), NFS (B1013A), LAN Link software functionality, X11, and OSF/Motif. Media must be ordered separately.	\$1,170.
98594A	English media and documentation for 98594L. Requires prior or concurrent purchase of 98594L for 7.0. Must order Opt. 022 below. Note: 98594A does not include Programming Environment Documentation. Must order 98896-87904.	600.
Opt. 022	Software on 1/4-inch tape cartridge	
98515L	HP-UX Release 7.0 Application Execution Environment (AXE) License-to-Use, 2 user. Includes HP-UX kernel, HP Windows/9000, X11, OSF/Motif, Starbase Graphics Library, SAM, and PAM. English media and documentation must be ordered separately.	155.
98515B	Media and documentation for 98515L. Order media Opt. 022 below. Requires prior or concurrent purchase of 98515L or 98594L for 7.0.	
Opt. 022	Software on 1/4-inch tape cartridge	215.
98595L	HP-UX Release 7.0 Application Execution Environment (AXE) License-to-Use, 16 user. Includes HP-UX kernel, HP-Windows/9000, X11, OSF/Motif, Starbase Graphics Library, SAM, and PAM. Media and documentation must be ordered separately.	995.
Opt. 003	2-user to 16-user Upgrade. Requires prior purchase of 98515L or 98594L	-300.
98595B	English media and documentation for 98595L. Order media Opt. 022 below. Requires prior or concurrent purchase of 98595L for 7.0.	
Opt. 022	Software on 1/4-inch tape cartridge	215.
98596L	HP-UX Release 7.0 Application Execution Environment (AXE) License-to-Use, 32 user. Includes HP-UX kernel, HP-Windows/9000, X11, OSF/Motif, Starbase Graphics Library, SAM, and PAM. Media and documentation must be ordered separately.	3,210.
Opt. 003	16-user to 32-user Upgrade. Requires prior purchase of 98595L	-500.
98596B	English media and documentation for 98596L. Order media Opt. 022 below. Requires prior or concurrent purchase of 98596L for 7.0.	
Opt. 022	Software on 1/4-inch tape cartridge	215.
98597L	HP-UX Release 7.0 Programming Environment (PE) License-to-Use. Requires Application Execution Environment. Includes commands, C compiler, MC680x0 assembler, symbolic debugger, X11 programming libraries, OSF/Motif toolkit, RS-232C data communications, device I/O library and Starbase Graphics Library. Media and documentation must be ordered separately.	850.
98597C	English media and documentation for 98597L. Order media Opt. 022 below. Requires prior or concurrent purchase of 98597L or 98594L for 7.0.	900.
Opt. 022	Software on 1/4-inch tape cartridge	

Documentation

Publication	Part Number	Status	Status Legend	Price
Beginner's Guide to HP-UX	98594-90006	A B	A = General Usage Documentation (98896-87901)	\$55.*
Beginner's Guide to Text Editing	98594-90010	A B		
Beginner's Guide to Shells	98594-90008	A B	B = Manuals shipped with 98594L	N/A
Beginner's Guide to X	98594-90002	A B	C = System Administration Documentation Set (98896-87903)	\$475.*
vi Quick Reference	98597-90000	A B		
Finding HP-UX Information	98594-90081	A B		
Series 300 Master Index	98594-90090	C D	D = Manuals shipped with 98594A	N/A
Installing Peripherals/300	97005-90002	C D	E = Programming Documentation Set (98896-87904)	\$535.*
Installing HP-UX/300	98594-90013	C D		
Troubleshooting HP-UX	92453-90026	C D	F = Manuals shipped with 98597C	N/A
System Security	92453-90029	C D	G = Advanced Usage Set (98896-87902)	\$90.*
Networking Overview	B1012-90003	C D		
Installation/Administration NS	B1012-90001	C D	H = Manuals shipped with AXE; 98515B, 98595B, 98596B	N/A
Installation/Administration ARPA	B1014-90001	C D		
Installation/Administration NFS	B1013-90001	C D	I = 98896-87905	\$975.*
Using Network Services	B1012-90000	C D	A+C+E+G = Complete Set	
Using ARPA Services	B1014-90000	C D	*U.S. List Price. Order from DMK.	
Using NFS Services	B1013-90000	C D		
Using X Window System	98794-90001	C D F		
System Administration Tasks/300	98594-90061	C D F		
System Administration Concepts	98594-90062	C D F		
Installation/Configuring X Windows	98794-90004	C D E F		
HP-UX Reference (3 Volumes)	09000-90013	C D E F		
C&T UUCP	97089-90053	C D E F		
C&T Programming Environment	97089-90042	E F		
Portability Guide	98794-90047	E F		
Native Language Support	97089-90058	E F		
C&T Facilities Series 200, 500, 300	97089-90081	E F		
C&T Device I/O & User Interfaces	97089-90057	E F		
C Programming Guide	98794-90031	E F		
A Book on C	98597-90610	E F		
Term 0 Reference	82865-90002	E F		
HP-UX Assembler Reference	98597-90020	E F		
Posix Conformance	98794-90009	E F		
X Window C Quick Reference	98794-90003	E F		
Programming with Xt Intrinsics	98794-90008	E F		
Programming with Xlib	98794-90002	E F		
Window/9000 to X Conversion	98794-90075	E F		
OSF/Motif Programming Guide	98794-90005	E F		
OSF/Motif Programming Reference	98794-90006	E F		
OSF/Motif Style Guide	98794-90007	E F		
HP Windows/9000 Documentation	97069-90003	E F		
HP Windows/9000 Reference	97069-90023	E F		
Starbase Beginner's Guide	98592-90046	E F		
Starbase Device Driver Library	98592-90018	E F		
Starbase Reference	98592-90065	E F		
Starbase C Pocket Reference	98592-90031	E F		
Starbase Graphics Techniques	98592-90078	E F		
Fast Alpha/Font Manager	98592-90092	E F		
Introducing the UNIX SystemV	98597-90620	E		
Programming/Protocols-NFS	B1013-90002	E		
Network Servers (NS) Reference (pgs)	B1012-90002	E		
ARPA Reference (pgs)	B1014-90002	E		
NFS Reference (pgs)	B1013-90003	E		
C&T Text Editing & Processes	97089-90022	G		
C&T Text Formatters	97089-90032	G		
C&T Shells & Misc.	97089-90062	G		
AXE Users Guide	98515-90004	H		
Complete Series 300 HP-UX Manual Set	98896-87905	I		

* U.S. List Price. Order from DMK.

Localization

Native Language Operating System Products

Product/Opt. No.	Description	Price
98594AJ	HP-UX Release 7.0 - 98594A Software Bundle for Japan. Includes media plus Japanese (Kanji) messages and on-line manual (man) pages plus Japanese documentation. Requires prior or concurrent purchase of 98594L for 7.0. Must order appropriate NLIO products. Note: 98594AJ does not include Programming Environment Documentation. Must order 98896-87904, English version; Programming Environment documentation not available in Japanese.	N/C
Opt. 022	Software on 1/4-inch tape cartridge	\$600.
98515BJ	HP-UX Release 7.0 - 98515A Application Execution Environment (AXE) media for Japan for 2 users plus Japanese (Kanji) messages and on-line manual (man) pages plus Japanese documentation for 98515L. Requires prior or concurrent purchase of 98515L or 98594L for 7.0 and appropriate NLIO products.	N/C
Opt. 022	Software on 1/4-inch tape cartridge	215.
98596BJ	HP-UX Release 7.0 for Japan - 98596A Application Execution Environment (AXE) media for 32 users for Japan plus Japanese (Kanji) messages and on-line manual (man) pages plus Japanese documentation for 98595L. Requires prior or concurrent purchase of 98595L or 98594L for 7.0 and appropriate NLIO products.	N/C
Opt. 022	Software on 1/4-inch tape cartridge	215.
98895AJ	HP-UX Release 7.0 Localization Update Product for customers who have already purchased U.S. HP-UX 7.0 products	N/C
98895AJ	HP-UX Release 7.0 Localization Update Product for Japanese customers who have purchased 98594A, 98515B, 98595B or 98596B. Contains Japanese (Kanji) messages and on-line manual (man) pages plus Japanese documentation. Update intended for customers who have already purchased 98594A (US version). Requires prior or concurrent purchase of 98595L or 98594L for 7.0 and appropriate NLIO products.	N/C
Opt. #022	Software on 1/4-inch tape cartridge	300.
Opt. 3SA	Japanese (Kanji) System Administration Documentation Set for the Series 300.	400.

Native Language I/O

Product/Opt. No.	Description	Price
98861L	Japanese Native Language I/O and Stick and Raster Fonts License-to-Use.	\$760.
98861A	Media and documentation for 98861L. Order media Opt. 022 below. Requires prior or concurrent of 98861L.	265.
Opt. 022	Software on 1/4-inch tape cartridge.	N/C
98591L	Japanese Simplex Font License-to-Use.	395.
98591A	Media and documentation for 98591L. Order media Opt. 022 below. Requires prior or concurrent of 98591L.	185.
Opt. 022	Software on 1/4-inch tape cartridge.	N/C
98864L	Japanese Designer's Fonts License-to-Use	890.
98864A	Media and documentation for 98864L. Order media Opt. 022 below. Requires Prior or concurrent of 98864L.	185.
Opt. 022	Software on 1/4-inch tape cartridge	N/C
98609L	Korean Native Language I/O and Stick and Raster Fonts License-to-Use	765.
98609A	Media and documentation for 98609L. Order media Opt. 022 below. Requires Prior or concurrent of 98609L.	265.
Opt. 022	Software on 1/4-inch tape cartridge	N/C
98610L	Korean Simplex Font License-to-Use	395.
98610A	Media and documentation for 98610L. Order media Opt. 022 below. Requires Prior or concurrent of 98610L.	185.
Opt. 022	Software on 1/4-inch tape cartridge	N/C
98851L	Simplified Chinese Native Language I/O and Stick and raster Fonts License-to-Use	760.
98851A	Media and documentation for 98851L. Order media Opt. 022 below. Requires Prior or concurrent of 98851L.	265.
Opt. 022	Software on 1/4-inch tape cartridge	N/C
98853L	Traditional Chinese Native Language I/O and Stick and raster Fonts License-to-Use	760.
98853A	Media and documentation for 98853L. Order media Opt. 022 below. Requires Prior or concurrent of 98853L.	265.
Opt. 022	Software on 1/4-inch tape cartridge	N/C
98854L	Traditional Chinese Simplex Font License-to-Use	395.
98854A	Media and documentation for 98854L. Order media Opt. 022 below. Requires Prior or concurrent of 98854L.	185.
Opt. 022	Software on 1/4-inch tape cartridge	N/C

Graphics/X11

Graphics

Product/Opt. No.	Description	Price
98672L	HP-GKS Graphics Library License-to-Use. HP-GKS is a full level 2D implementation of the ANSI/ISO Graphics Kernel System standard. Media and documentation must be ordered separately.	\$860.
98672B	Media and documentation for 98672L. Order media Opt. 022 below. Require prior or concurrent purchase of 98672L.	
Opt. 022	Software on 1/4-inch tape cartridge.	215.
98600L	HP-UX DGL/AGP Graphics Library License-to-Use. Media and documentation must be ordered separately.	1,500.
98600B	Media and documentation for 98600L. Order media Opt. 022 below. Requires prior or concurrent purchase of 98600L.	
Opt. 022	Software on 1/4-inch tape cartridge.	215.
98885L	Starbase Radiosity And Ray Tracing License-to-Use.	500.
98885A	Media and documentation for 98885L. Requires prior or concurrent purchase of 98885L.	210.
98674L	Starbase Display List License-to-Use. Media and documentation must be ordered separately.	325.
98674B	Media and documentation for 98674L. Order media Opt. 022 below. Requires prior or concurrent purchase of 98674L.	
Opt. 022	Software on 1/4-inch tape cartridge.	215.
98683X	DGL Skeleton Device Handler	
Opt. 022	Software on 1/4-inch tape cartridge	535.
98693A	SRM Access Utilities for HP-UX	590.
Opt. 022	Software on 1/4-inch tape cartridge	N/C
97009-10220	Starbase Driver Development Guide (order from DMK*)	250.

X Window System

Product/Opt. No.	Description	Price
	Note: The X Window System Version 11 is included in the AXE and PE products on page 52.	
B1161A	User Documentation for Series 300 and 800 X11. This bundle includes the following manuals: Using the X Window System Configuring the X Window System on the Series 300 Installing and Configuring the X Window System on the Series 800.	165.
B1162A	Programmer Documentation for Series 300 and 800 X11. This bundle includes the following manuals: Programming with the HP X Widgets and Xt Intrinsics Programming with XLib X Window System C Quick Reference Guide HP Windows/9000 to X Conversion Guide Programming with the XrLib User Interface Toolbox.	455.

SoftBench/Encapsulator

SoftBench/300

Product/Opt. No.	Description	Price
B1621A	HP SoftBench/300 License-to-Use. A window-based integrated program development environment for HP-UX. Includes language-sensitive editor, program builder, symbolic debugger, source code analyzer, and version control management. For C, FORTRAN and/or Pascal. Requires HP-UX Programming Environment and X Windows, Version 11. Must specify how many licenses by ordering one of the options below. Media and documentation must be ordered separately.	
Opt. 0AN	1-seat license-to-use. Allows 1-user use of HP SoftBench on one Series 300 workstation.	\$1,500.
Opt. 0A9	10-seat license-to-use. Allows 10-user use of HP SoftBench on up to ten (10) Series 300 workstations.	12,000.
Opt. 0AG	25-seat License-to-use. Allows 25-user use of HP SoftBench on up to twenty-five (25) Series 300 workstations.	26,250.
Opt. 0AA	50-seat license-to-use. Allows 50-user use of HP SoftBench on up to fifty (50) Series 300 workstations.	45,000.
B1622A	Media and documentation for B1621A. Order media option AA0 below. Requires prior or current purchase of B1621A.	
Opt. AA0	Software on 1/4-inch tape cartridge	500.
B1629A	HP SoftBench Documentation Kit for the Series 300 and 800. Includes: Exploring HP SoftBench HP SoftBench Development Manager HP SoftBench Program Editor Editor Quick Reference HP SoftBench Program Builder HP SoftBench Program Debugger HP SoftBench Static Analyzer. Does not include HP Encapsulator documentation.	350.
B1622-10050	Introduction to HP Softbench Training Video , VHS format only (North America/NTSC)	23.
B1622-10051	Introduction to HP Softbench Training Video , VHS format only (Europe/PAL)	23.

HP Encapsulator/300

Product/Opt. No.	Description	Price
B1625A	HP Encapsulator/300 License-to-Use. Allows customization of HP SoftBench environment. Requires HP SoftBench/300 License-to-Use.	\$750.
B1626A	Media and documentation for B1625A. Order media option AA0 below. Requires prior or current purchase of B1625A.	
Opt. AA0	Software on 1/4-inch tape cartridge	250.

JAM - Interface Management System

Product/Opt. No.	Description	Price
B1734L	JAM - Interface Management System License-to-Use for Models 320, 340 and 345.	\$2,170.
B1734B	Software and documentation for B1734L. Requires prior or concurrent purchases of B1734L. Must specify media option below.	N/C
Opt. 022	Software on 1/4-inch tape cartridge.	N/C
B1735L	JAM Interface Management System License-to-Use for Models 350, 370 and 375.	3,120.
B1735B	Software and documentation for B1735L. Requires prior or concurrent purchases of B1735L. Must specify media option below.	N/C
Opt. 022	Software on 1/4-inch tape cartridge.	N/C

Series 300 Languages

Product/Opt. No.	Description	Price
<i>Ada</i>		
98860L	HP-UX Ada Development System License-to-Use. Requires HP-UX Programming Environment. Includes validated compiler, libraries, debugger/browser, cross reference and text reformatter. Media and documentation must be ordered separately.	\$6,060.
98860A Opt. 022	Media and documentation for 98860L. Requires concurrent purchase of 98860L. Order Option 022 below. Software on 1/4-inch tape cartridge.	265.
<i>BASIC</i>		
98796L	HP BASIC/UX License-to-Use (sometimes known as "Rocky Mountain BASIC on HP-UX"). Includes BASIC development environment, compiler and CSUB development utilities for Series 300 HP-UX Operating System. Media and documentation must be ordered separately.	1,080.
98796A	Media and documentation for 98796L. Order media Opt. 022. Requires prior or concurrent purchase of 98796L.	
Opt. 022	Software on 1/4-inch tape cartridge	335.
98796K	Documentation only for 98796L	275.
98869L	HP BASIC/UX Software Bundle License-to-Use. Includes HP BASIC/UX (sometimes known as "Rocky Mountain BASIC" on HP-UX) 98769L, HP-UX Software Bundle License-to-Use 98594L, and X Window System, Version 11.	2,240.
Opt. 001	Upgrade from a previous BASIC Language System 98631B or 98616A	-860.
98869A	Media and documentation for 98869L. Must order media Opt. 022. Requires prior or concurrent purchase of 98869L.	810.
E2000A	HP Interactive Test Generator. See E2000A under BASIC Language Systems.	995.
E2001A	HP Instrument Drivers. See E2001A under BASIC Language Systems.	495.
<i>COBOL</i>		
35322A	COBOL/HP-UX Developer Package for HP9000 Series 318, 319, 320, 330, 332 and 340 — COBOL/HP-UX Compiler — ANIMATOR Debugging Tool — FORMS-2 Screen Generator — COBOL/HP-UX Run-Time System — Manual Set — Software on 1/4-inch cartridge tape.	5,500.
Opt. 222	Upgrade from COBOL/HP-UX Compiler	-3,000.
35334A	COBOL/HP-UX Compiler for HP9000 Series 318, 319, 320, 330, 332 and 340 — COBOL/HP-UX Compiler — COBOL/HP-UX Run-Time System — Manual Set — Software on 1/4-inch cartridge tape.	3,000.
35323A	COBOL/HP-UX Run-Time System for HP9000 Series 310, 322, 330 and 340 — COBOL/HP-UX Run-Time System — Software on 1/4-inch cartridge tape.	550.
35338A	COBOL/HP-UX Developer Package for HP9000 Series 350, 360, and 370 — COBOL/HP-UX Compiler — ANIMATOR Debugging Tool — FORMS-2 Screen Generator — COBOL/HP-UX Run-Time System — Manual Set — Software on 1/4-inch cartridge tape.	10,750.
Opt. 0C7	Upgrade from HP9000 Series 320, 330 or 340	-5,500.
Opt. 222	Upgrade from COBOL/HP-UX Compiler	-6,600.

Series 300 Languages

Product/Opt. No.	Description	Price
<i>COBOL (cont'd)</i>		
35339A	COBOL/HP-UX Compiler for HP9000 Series 350, 360, and 370 — COBOL/HP-UX Compiler — COBOL/HP-UX Run-Time System — Manual Set — Software on 1/4-inch cartridge tape.	6,600.
Opt. 0C7	Upgrade from HP9000 Series 310, 320, 330 or 340	-3,000.
35340A	COBOL/HP-UX Run-Time System for HP9000 Series 350, 360, and 370 — COBOL/HP-UX Run-Time System — Software on 1/4-inch cartridge tape.	1,085.
Opt. 0C7	Upgrade from HP9000 Series 320, 330 or 340	-550.
<i>Common LISP</i>		
98688L	HP Common LISP II Development Environment License-to-Use. Requires 46084A HP-HIL Module and HP-UX Application Execution Environment 6.0 or later (HP-UX Programming environment is recommended). It is an implementation of Lucid Common LISP and includes interpreter, compiler, debugging tools, and an embedded editor.	\$3,710.
Opt. 001	Upgrade credit for previous purchase of 98678A/B (must specify serial number of HP-HIL ID Module in special instructions).	-1,000.
98688B	Media and documentation for 98688L. Requires prior or concurrent purchase of 98688L. Order Opt. 022 below.	515.
Opt. 022	Software on 1/4-inch tape cartridge.	N/C
98689L	HP Common LISP II Application Environment License-to-Use. Requires 46084A HP-HIL Module and HP-UX Application Execution Environment 6.0 or later. Allows applications developed in HP Common LISP II to run on an additional Series 300 system.	750.
98689B	Media and documentation for 98689L. Requires prior or concurrent purchase of 98689L. Order Opt. 022 below.	155.
Opt. 022	Software on 1/4-inch tape cartridge.	N/C
<i>HP-UX C/ANSI C Compiler</i>		
B1700L	HP-UX C/ANSI C Compiler License-to-Use. C/ANSI C is a full implementation of the proposed ANSI standard for programming language C.	1,200.
B1700A	Media and manuals for B1700L LTU HP-UX C/ANSI C Compiler. Requires prior or concurrent purchase of B1700L	215.
Opt. AA0	Software supplied on 1/4-inch cartridge tape	N/C
<i>FORTRAN</i>		
98598L	HP-UX FORTRAN 77 Compiler License-to-Use. FORTRAN 77 is a full implementation of the ANSI FORTRAN 77 X.39-1978 standard, plus MIL-STD 1753 and other extensions. Media and documentation must be ordered separately.	1,200.
98598B	Media and documentation for 98598L. Order media Opt. 022 below. Requires prior or concurrent purchase of 98598L.	215.
Opt. 022	Software on 1/4-inch tape cartridge.	N/C
<i>Pascal</i>		
98599L	HP-UX Pascal Compiler License-to-Use. The Pascal compiler is a superset of the proposed ANSI standard with data manipulation, I/O and other extensions. Media and documentation must be ordered separately.	1,200.
98599B	Media and documentation for 98599L. Order media Opt. 022 below. Requires prior or concurrent purchase of 98599L.	215.
Opt. 022	Software on 1/4-inch tape cartridge.	N/C
<i>Technical BASIC</i>		
97066L	HP-UX Technical BASIC License-to-Use. The BASIC interpreter includes a complete BASIC development and run-time environment. Media and documentation must be ordered separately.	425.
97066B	Media and documentation for 97066L. Order media Opt. 022 below. Requires prior or concurrent purchase of 97066L.	215.
Opt. 022	Software on 1/4-inch tape cartridge.	N/C



Series 300 Database Management

Product/Opt. No.	Description	Price
79725L	HP SQL/300 Development Environment License-to-Use. A relational database management system based on the Structural Query Language (SQL). Includes language preprocessors for C, FORTRAN, or Pascal programs. Media and documentation must be ordered separately. Requires HP-UX 6.0 or later. (Refer to 79725A for use on HP-UX 5.15 through 5.5.)	3,330.
79725B	Media and documentation for 79725L. Requires prior or concurrent purchase of 79725L. Order media Opt. 022 below.	
Opt. 022	Software on 1/4-inch tape cartridge	265.
Opt. 100	Delete manuals	-100.
98883L	HP SQL Runtime License-to-Use. Includes ISQL, SQL Util, SQL Gen, hpsqlproc and hpdbsaemon. No preprocessors included.	2,050.
98883B	Media and documentation for 98883L. Requires prior or concurrent purchase of 98883L.	250.
Opt. 100	Software shipped on 1/4-inch tape cartridge. Delete manuals.	-25.
79727L	HP ALLBASE/QUERY Database Access Tools License-to-Use. A forms-based interface to HP SQL/300 databases for performing ad hoc queries or for generating customized reports. Media and documentation must be ordered separately. Requires HP-UX 5.15 or later. (For Models 310, 318, 319, 320, 330, 332, and 340.)	2,250.
79727B	Media and documentation for 79727L. Requires prior or concurrent purchase of 79727L. Order media Opt. 022 below.	
Opt. 022	Software on 1/4-inch tape cartridge	200.
Opt. 100	Delete manuals	-25.
79728L	HP ALLBASE/QUERY Database Access Tools License-to-Use. A forms-based interface to HP SQL/300 databases for performing ad hoc queries or for generating customized reports. Media and documentation must be ordered separately. Requires HP-UX 5.15 or later. (For Models 350, 360 and 370.)	\$4,100.
79728B	Media and documentation for 79728L. Requires prior or concurrent purchase of 79728L. Order media Opt. 022 below.	
Opt. 022	Software on 1/4-inch tape cartridge.	200.
Opt. 100	Delete manuals.	-25.
98112A	HP ALLBASE/4GL Developer Pack. Version includes complete Application Development Environment dictionary, screen and report painter, logic commands, application testing and run-time environment supporting C-ISAM or HP-SQL data file management systems. (For Models 350, 360, 370.)	10,000.
Opt. 022	Software on 1/4-inch tape cartridge	N/C
98118A	HP ALLBASE/4GL Run-time Environment. Includes all required libraries, routines and logic to run ALLBASE/4GL applications. (For Models 350, 360, 370.)	1,950.
Opt. 022	Software on 1/4-inch tape cartridge.	N/C
92471A	HP ALLBASE/4GL Developer Pack. Version includes complete Application Development Environment dictionary, screen and report painter, logic commands, application testing and run-time environment supporting C-ISAM or HP-SQL data file management systems. (For Models 310, 318, 319, 320, 330, and 340.)	4,900.
Opt. 022	Software on 1/4-inch tape cartridge.	N/C
92470A	HP ALLBASE/4GL Run-time Environment. Includes all required libraries, routines and logic to run ALLBASE/4GL applications. (For Models 310, 318, 319, 320, 330, and 340.)	1,000.
Opt. 022	Software on 1/4-inch tape cartridge.	N/C
98884L	HP ALLBASE/NET 300 License-to-Use. Includes DA Utility, listener process to allow remote database access to HP SQL/300.	
Opt. 0AN	1 User License	1,200.
Opt. 0AL	1-8 User License	2,000.
Opt. 0AM	1-16 User License	2,800.
Opt. 0AO	1-32 User License	4,400.
Opt. 0A2	1-64 User License	8,200.
Opt. 0A5	Unlimited User License	12,400.
Opt. 0H0	Return credit for 1 User License	-1,200.
Opt. 0H1	Return credit for 1-8 User License	-2,000.
Opt. 0H2	Return credit for 1-16 User License	-2,800.
Opt. 0H3	Return Credit for 1-32 User License	-4,400.
Opt. 0H4	Return Credit for 1-64 User License	-8,200.
98884B	Media and documentation for 98884L. Requires prior or concurrent purchase of 98884L.	
Opt. AA0	Software on 1/4-inch tape	N/C
Opt. AA1	Software on 1/2-inch 1200 cpi tape	N/C

Series 300 Database Management

Product/Opt. No.	Description	Price
92572A	HP Real-Time Database. Memory-resident database which includes User's Manual and Self-Paced Tutorial. This is the first copy of the software.	N/C
Opt. AEQ	Software for the HP9000 Series 300.	7,950.
Opt. AA0	Software on 1/4-inch tape cartridge.	N/C
Opt. OCY	Revision upgrade for user not on support services. Requires prior purchase of option AEQ.	1,190.
92572R	HP Real-Time Database. Memory-resident database which includes User's Manual and Self-Paced Tutorial. This is the right-to-copy license.	N/C
Opt. AEQ	Software for the HP9000 Series 300.	7,950.
Opt. OCY	Revision upgrade for user not on support services. Requires prior purchase of option AEQ.	1,190.
Opt. OB0	Delete manuals.	-165.
92572E	HP Real-Time Database. Right-to-execute license for memory-resident database.	N/C
Opt. AEQ	Software for the HP9000 Series 300.	1,980.
Opt. OCY	Revision upgrade for user not on support services. Requires prior purchase of Option AEQ.	300.
92576A	HP Interactive Visual Interface. X Window Dynamic Application Development Tool. Includes User's Manual and Self-Paced Tutorial. This is the first copy of the software.	N/C
Opt. AEQ	Software for the HP9000 Series 300.	8,150.
Opt. AA0	Software on 1/4-inch tape cartridge.	N/C
Opt. OCY	Revision upgrade for user not on support services. Requires prior purchase of option AEQ.	1,230.
92576E	HP Interactive Visual Interface. X Window Dynamic Application Development Tool. Right-to-execute license for memory-resident database.	N/C
Opt. AEQ	Software for the HP9000 Series 300.	2,050.
Opt. OCY	Revision upgrade for user not on support services. Requires prior purchase of Option AEQ.	315.
92580A	HP Device Interface System. RS-232 Communication Development Tool. Includes User's Manual and Self-Paced Tutorial. This is the first copy of the software.	N/C
Opt. AEQ	Software for the HP9000 Series 300.	5,100.
Opt. AA0	Software on 1/4-inch tape cartridge.	N/C
Opt. OCY	Revision upgrade for user not on support services. Requires prior purchase of option AEQ.	765.
92580R	HP Device Interface System. RS-232 Communication Development Tool. Includes User's Manual and Self-Paced Tutorial. This is the right-to-copy license.	N/C
Opt. AEQ	Software for the HP9000 Series 300.	5,100.
Opt. OCY	Revision upgrade for user not on support services. Requires prior purchase of option AEQ.	765.
Opt. OB0	Delete manuals.	-165.
92580E	HP Device Interface System. RS-232 Communication Development Tool. Right-to-execute license.	N/C
Opt. AEQ	Software for the HP9000 Series 300.	1,275.
Opt. OCY	Revision upgrade for user not on support services. Requires prior purchase of Option AEQ.	191.

BASIC Language Systems and Related Products

Product/Opt. No.	Description	Price
98616A	RAM-based BASIC 5.1 Language System. Includes one system disk set, BASIC 5.0/5.1 Manual Kit and Utilities Pack. (Order one choice under "Media Options.")	\$940.
Opt. 001	Upgrade from a previous BASIC Language system	-340.
Opt. 618	BASIC 5.X Compiler	470.
98616M	Right-to-Reproduce one copy of BASIC 5.x for VEU's, SRM users, or end users.	810.
Opt. 100	Delete manuals	-90.
98616R	Right-to-Reproduce one copy of BASIC 5.x for resellers.	810.
Opt. 100	Delete manuals	-90.
98613B*	RAM-based BASIC 4.0 Language System. Includes one system disk set, BASIC 4.0 Language Manual Kit and BASIC 4.0 Utilities Pack. (Order one choice under "Media Options.")	935.
Opt. 001	Upgrade from a previous BASIC Language system	-340.
98613R*	Right-to-Reproduce one copy of BASIC 3.0 or 4.0 Language System. Includes BASIC 4.0 Language Manual Kit and right-to-reproduce license.	805.
Opt. 001	Upgrade from a previous version of BASIC Right-to-Reproduce	-170.
Opt. 100	Delete manuals	-90.
98618A	BASIC 5.x Compiler. Includes BASIC 5.0/5.1 Compiler disk and manual kit. Compatible with all versions of BASIC 5.0.	545.
98618-17x00†	BASIC 5.x Compiler Upgrade Kit. Includes BASIC 5.0/5.1 Compiler disk and manual kit. (Customer must return previous version to DMKG). Compatible with all versions of BASIC 5.0.	350.
98616-11x40†	BASIC 5.x Compiled Subprogram Utilities (CSUB). For use with BASIC 5.0/5.1 and Pascal 3.2. These utilities allow you to develop compiled subprograms in Pascal or Assembly that are callable by BASIC.	300.
98616-17x40†	BASIC 5.x CSUB Utility Upgrade. This upgrades previous versions of the Compiled Subprogram Utilities to the current version.	58.
98616-87901	BASIC 5.0/5.1 Documentation Kit (order from DMK**).	350.
82302A	Using HP BASIC for Instrument Control; A Self-Study Course. A 30-lesson self-paced course in HP BASIC I/O programming techniques with emphasis on HP-IB. Supports all versions of HP BASIC (except HP BASIC/UX) running on one of the following systems: HP 9000 Series 200/300, HP PC 305 or PC 308, or HP 82300A/B BASIC Language Processor. The course includes example programs provided on 3 1/2-inch or 5 1/4-inch flexible disk media.	395.
E2000A	HP Interactive Test Generator. HP BASIC software development tool accelerates test development with a windowed, mouse-driven interface designed specifically for controlling HP-IB Instruments. Must order HP E2001A Instrument Drivers separately. Requires HP BASIC Rev. 5.11 or later, or HP BASIC/UX Rev. 5.5 or later.	995.
AA7	Software on 3 1/2-inch single sided disk.	N/C
AA8	Software on 3 1/2-inch double sided disk.	N/C
AA6	Software on 5 1/4-inch disk	N/C
AA0	Software on 1/4-inch tape cartridge	N/C
E2001A	HP Instrument Drivers. Complete set of all available instrument drivers for use with HP E2000A Interactive Test Generator.	495.
AA7	Software on 3 1/2-inch single sided disk.	N/C
AA8	Software on 3 1/2-inch double sided disk.	N/C
AA6	Software on 5 1/4-inch disk	N/C
AA0	Software on 1/4-inch tape cartridge	N/C

* BASIC 4.0 and Pascal 3.1 are supported on the Models 310 and 320 and Series 200 only.

† The 'X' in the part number indicates media option: 2 is for 5 1/4-inch external format; 4 is for 3 1/2-inch double-sided disks recorded single-sided; 5 is for 3 1/2-inch double-sided disks recorded double-sided.

** HP's Direct Marketing Division; order direct by dialing 1-800-538-8787 (in the U.S. only).

Pascal Language Systems

Product/Opt. No.	Description	Price
98617A	RAM-based Pascal 3.2 Language System. Includes system disk set and Pascal 3.2 Manual Kit. (Order one choice under "Media Options" section below).	\$1,110.
Opt. 001	Upgrade from previous version of Pascal Language System	-400.
98617M	Right-to-reproduce one copy of Pascal 3.2 for VEU's, SRM users, or end users.	920.
Opt. 100	Delete Manuals	-110.
98617R	Right-to-reproduce one copy of Pascal 3.2 for resellers.	940.
Opt. 100	Delete manuals	-110.
98617E	Right-to-execute Pascal 3.2 for resellers.	375.
Opt. 090	Additional 99 copies of Pascal 3.21 right-to-execute	6,920.
98617-87901	Pascal 3.21 Documentation Kit (order from DMKt)	350.
98615C*	RAM-based Pascal 3.1 Language System. Includes system disk set and Pascal 3.1 Language Manual Kit. (Order one choice under "Media Options" section below.)	1,080.
Opt. 001	Upgrade from previous version of Pascal Language System	-400.
98615R*	Right-to-Reproduce Pascal 3.1 Language System. Includes Pascal 3.1 Language Manual Kit and right-to-reproduce license.	940.
Opt. 001	Discount for second and subsequent upgrades from previous versions of Pascal Language System.	-200.
Opt. 100	Delete manuals	-110.
98615E*	Right-to-Execute Pascal 3.1 Language System. Certificate for stand-alone applications using portions of the Pascal Language System.	375.
Opt. 090	99 additional Right-to-Execute certificates (100 total)	6,920.
98615-87971	Pascal 3.1 Systems Internals Documentation (order from DMKt)	200.

* BASIC 4.0 and Pascal 3.1 are supported on Models 310 and 320 only.

† HP's Direct Marketing Division; order direct by dialing 1-800-538-8787 (in the U.S. only).

Media Options

Product/Opt. No.	Description	Price
	Specify one media option for each BASIC or Pascal Language System ordered	
Opt. 042	Software on 5 1/4-inch disk	N/C
Opt. 044	Software on 3 1/2-inch disk, single-sided format on double-sided media	N/C
Opt. 045	Software on 3 1/2-inch disk, double-sided format	N/C

BASIC and Pascal Language Processor Components

Product/Opt. No.	Description	Price
82300C	HP BASIC Language Processor — Release II. Includes Vectra PC/IBM PC AT plug-in board, 1 Mbyte RAM, HP-IB interface, BASIC 5.1 on 5 1/4-inch and 3 1/2-inch media.	\$2,295.
82302A	Using HP BASIC for Instrument Control; A Self-Study Course. A 30-lesson self-paced course in HP BASIC I/O programming techniques with emphasis on HP-IB. Supports all versions of HP BASIC (except HP BASIC/UX) running on one of the following systems: HP 9000 Series 200/300, HP PC 305 or PC 308, or HP 82300A/B BASIC Language Processor. The course includes example programs provided on 3 1/2-inch or 5 1/4-inch flexible disk media.	395.
82303A	RAM Expansion Kit. 512Kbyte RAM expansion kit for 82300A/B, 82305A or 82310A. User-installable.	395.
82305A	RAM Expansion Board for 82300A/B, or 82310A. Includes 512 Kbyte RAM. Allows expansion of system to total of 4Mbytes. User-installable.	495.
82306A	GPIO Interface for Language Processor	595.
82307A	GPIO Cable (unterminated, 5M)	250.
82312A	HP Pascal Language Processor board with Right-to-Execute.	1,595.
82313A	Hierarchical File System Software for use with BASIC or Pascal Language Processors. Provides access to HP-UX file systems; software on both 5 1/4-inch and 3 1/2-inch media.	595.
82323A	Upgrade Kit for HP 82300A/B BASIC Language Processor. Provides software, boot ROMs, and documentation for upgrade to HP BASIC Language Processor Release II (HP 82300C) available on 5 1/4-inch and 3 1/2-inch disks.	395.
Opt. 001†	Trade-in of HP 82304B BASIC ROM for HP 82303A 512 Kbyte RAM Kit. For HP 82300A/B Language Processors equipped with HP 82304B BASIC ROM and other than 1 Mbyte RAM. Customer to return the HP 82304B ROM after receipt of order.	325.
Opt. 002†	Trade-in of HP 82304B BASIC ROM for HP 82305B 512 Kbyte RAM Expansion Board. For HP 82300A/B Language Processors equipped with HP 82304B BASIC ROM and 1 Mbyte RAM. Customer to return the HP 82304B after receipt of order.	325.
50963A	SRM Interface for BASIC or Pascal Language Processor. Includes BNC "T" connector.	570.
98618A	BASIC 5.x Compiler. Includes BASIC 5.0/5.1 Compiler disk and manual kit. Compatible with all versions of BASIC 5.0 or later.	545.

* Model 330 systems shipped prior to 1 January 1988 require a processor upgrade for use with 98577A. See service note #98562A-1

† One one Option 001 or 002 may be ordered with HP 82323A. Options are not available without an order for HP 82323A.

Series 800 Operating Systems

HP-UX Operating System

Product/Opt. No.	Description	Price
92466L	Series 800 Workstation HP-UX License. Includes C compiler, HP-UX Symbolic Debugger, Assembler, Device I/O Library, and Real-Time Package. The General Usage documentation set (92536A) is shipped with 92466L. To obtain media order 92466A.	\$1,200.
92466A	Media and manuals for 92466L license. Requires concurrent or prior purchase of 92466L. The System Administration documentation set (92538A) is shipped with 92466A.	800.
AA0	Software on 1/4-inch cartridge tape	N/C
AA1	Software on 1/2-inch 1600 cpi 9-track tape	N/C
92452L	HP-UX 1-16 user license for the Series 800. Includes C compiler, HP-UX Symbolic Debugger, Assembler, Device I/O Library, and Real-Time Package. The General Usage documentation set (92536A) is shipped with 92452L. To obtain media order 92452B.	4,450.
OCC	Revision upgrade for users not on support services. Requires prior purchase of 92452L, 92452A, or 92467L. To obtain media order 92452B.	-2,100.
92452B	Media and manuals for 92452L license. Requires concurrent or prior purchase of 92452L. The System Administration documentation set (92538A) is shipped with 92452A.	
AA0	Software on 1/4-inch cartridge tape	
AA1	Software on 1/2-inch 1600 cpi 9-track tape	
92453L	HP-UX 1-32 user license for the Series 800. Includes C compiler, HP-UX Symbolic Debugger, Assembler, Device I/O Library, and Real-Time Package. The General Usage documentation set (92536A) is shipped with 92453L. To obtain media order 92453B.	9,700.
OCC	Revision upgrade for users not on support services. Requires prior purchase of 92453L or 92453A. To obtain media order 92453B.	-6,860.
OCG	Inter-processor transfer credit. Requires a hardware upgrade and prior purchase of 92453L or 92453A.	-9,700.
OH2	Upgrade from 16-user HP-UX. Requires prior or concurrent purchase of 92452L, 92452A or 92467L (specify AA0 or AA1).	-4,450.
AA0	Software on 1/4-inch cartridge tape	N/C
AA1	Software on 1/2-inch 1600 cpi 9-track tape	N/C
92453B	Media and manuals for 92453L license. Requires concurrent or prior purchase of 92453L. The System Administration documentation set (92538A) is shipped with 92453B.	800.
AA0	Software on 1/4-inch cartridge tape	N/C
AA1	Software on 1/2-inch 1600 cpi 9-track tape	N/C
92454L	HP-UX 1-64 user license for the Series 800. Includes C compiler, HP-UX Symbolic Debugger, Assembler, Device I/O Library, and Real-Time Package. The General Usage documentation set (92536A) is shipped with 92454L. To obtain media order 92454B.	17,575.
OCC	Revision upgrade for users not on support services. Requires prior purchase of 92454L or 92454A. To obtain media order 92454B.	-11,800.
OCG	Inter-processor transfer credit. Requires a hardware upgrade and prior purchase of 92454L or 92454A.	-17,575.
OH2	Upgrade from 16-user HP-UX. Requires prior or concurrent purchase of 92452L, 92452A or 92467L (specify AA0 or AA1).	-4,450.
OH3	Upgrade from 32-user HP-UX. Requires prior or concurrent purchase of 92453L or 92453A (specify AA0 or AA1).	-9,700.
AA0	Software on 1/4-inch cartridge tape	N/C
AA1	Software on 1/2-inch 1600 cpi 9-track tape	N/C
92454B	Media and manuals for 92454L license. Requires concurrent or prior purchase of 92454L. The System Administration documentation set (92538A) is shipped with 92454B.	800.
AA0	Software on 1/4-inch cartridge tape	N/C
AA1	Software on 1/2-inch 1600 cpi 9-track tape	N/C

Documentation

Series 800 HP-UX 7.0 Documentation

Publication	Part Number	Status	Status Legend	Price
Beginner's Guide to HP-UX	98594-90006	A B	A = General Usage Documentation (92536A)	\$55.
Beginner's Guide to TextEd	98594-90010	A B		
Beginner's Guide to Shells	98594-90008	A B	B = Manuals shipped with HP-UX Series 800 License Products	N/A
Beginner's Guide to X	98594-90002	A B		
vi Quick Reference	98597-90000	A B	C = System Administration Documentation (92538A)	\$325.
Finding HP-UX Info	92453-90042	A B		
800 Master Index	92453-90041	C D	D = Manuals shipped with HP-UX Series 800 Media/Manual Products	N/A
Installing Peripherals/800	92453-90032	C D		
Installing HP-UX/800	92453-90035	C D		
Troubleshooting HP-UX	92453-90026	C D	E = Programming Documentation Set (92539A)	\$475.
System Security	92453-90029	C D		
System Administration Tasks/800	92453-90038	C D	F = Advanced Usage Documentation Set (92537A)	\$90.
System Administration Concepts	98594-90062	C D		
C&T UUCP	97089-90053	C D		
HP-UX Reference (3 Vol.)	09000-90013	C D E		
C&T Developing I/O & User Interfaces	97089-90057	E		
HP-PA Instruction Reference	09740-90014	E		
HP-PA Productivity Calls	09740-90015	E		
Prec Arch Quick Reference	09740-90027	E		
C&T Programming Environment	97089-90042	E		
Portability Guide	98794-90047	E		
Real Time	92453-90003	E		
HP-UX/C Reference	92453-90024	E		
C Programming Guide	92434-90002	E		
C Quick Reference	92434-90003	E		
Symbolic Debugger	92435-90001	E		
Symbolic Debugger Quick Reference	92435-90002	E		
ADB Tutorial	92435-90002	E		
HP-UX Assembler Reference	92432-90001	E		
Packed Dec Library Tech	92453-90052	E		
Packed Dec Library Update	92453-90053	E		
Posix Conformance	98794-90009	E		
Advanced UNIX Programming	92453-90007	E		
C&T Text Editing & Processing	97089-90022	F		
C&T Text Formatters	97089-90032	F		
C&T Shells & Miscellaneous	97089-90062	F		

Native Language I/O

Description	Model/Product Number/Price	
	825/834/835	
Simplified Chinese NLIO and Stick Font.	92550A	\$2,705.
Opt. AA0 — Software on 1/4-inch cartridge tape.		N/C
Opt. AA1 — Software on 1/2-inch 1600 cpi 9-track tape		N/C
Right-to-copy Simplified Chinese NLIO and Stick Font. Requires prior or concurrent purchase of 92550A.	92550R	\$2,295.
Opt. 0B0 — Delete manuals		-50.
Traditional Chinese NLIO and Stick Font.	92552A	\$2,705.
Opt. AA0 — Software on 1/4-inch cartridge tape.		N/C
Opt. AA1 — Software on 1/2-inch 1600 cpi 9-track tape		N/C
Right-to-copy Traditional Chinese NLIO and Stick Font. Requires prior or concurrent purchase of 92552A.	92552R	\$2,295.
Opt. 0B0 — Delete manuals		-50.
Traditional Chinese Simplex Font. Requires current version of 92552A.	92553A	\$1,300
Opt. AA0 — Software on 1/4-inch cartridge tape		N/C
Opt. AA1 — Software on 1/2-inch 1600 cpi 9-track tape		N/C
Right-to-copy Traditional Chinese Simplex Font. Requires prior or concurrent purchase of 92553A.	92553R	\$1,100.
Opt. 0B0 — Delete manuals		-50.
Korean Simplex Font. Requires current version of 92554A.	92554A	\$1,300.
Opt. AA0 — Software on 1/4-inch cartridge tape.		N/C
Opt. AA1 — Software on 1/2-inch 1600 cpi 9-track tape		N/C
Right-to-copy Korean Simplex Font. Requires prior or concurrent purchase of 92554A.	92554R	\$1,070.
Opt. 0B0 — Delete manuals		-50.
Korean NLIO and Stick Font.	92555A	\$2,625.
Opt. AA0 — Software on 1/4-inch cartridge tape.		N/C
Opt. AA1 — Software on 1/2-inch 1600 cpi 9-track tape		N/C
Right-to-copy Korean NLIO and Stick Font. Requires prior or concurrent purchase of 92555A.	92555R	\$2,230.
Opt. 0B0 — Delete manuals		-50.
Japanese Designer Font. Requires current version of 92557A	92556A	\$2,265.
Opt. AA0 — Software on 1/4-inch cartridge tape		N/C
Opt. AA1 — Software on 1/2-inch 1600 cpi 9-track tape		N/C
Right-to-copy Japanese Designer Font. Requires prior purchase of 92556A.	92556R	\$1,700.
Opt. 0B0 — Delete manuals		-50.
Japanese NLIO and Stick Font.	92557A	\$2,625.
Opt. AA0 — Software on 1/4-inch cartridge tape.		N/C
Opt. AA1 — Software on 1/2-inch 1600 cpi 9-track tape.		N/C
Right-to-copy Japanese NLIO and Stick Font. Requires prior or concurrent purchase of 92557A.	92557R	\$2,625.
Opt. 0B0 — Delete manuals		-50.
Japanese Simplex Font. Requires current version of 92557A.	92433A	\$1,300.
Opt. AA0 — Software on 1/4-inch cartridge tape.		N/C
Opt. AA1 — Software on 1/2-inch 1600 cpi 9-track tape		N/C
Right-to-copy Japanese Simplex Font. Requires prior or concurrent purchase of 92557A.	92433R	\$1,100.
Opt. 0B0 — Delete manuals		-50.

SoftBench/800

Product/Opt. No.	Description	Price
B1623A	HP SoftBench/800 License-to-Use. A window-based integrated program development environment for HP-UX. Includes language-sensitive editor, program builder, symbolic debugger, source code analyzer, and version control management. For C, FORTRAN and/or Pascal. Requires HP-UX Programming Environment and X Windows, Version 11. Must specify how many licenses by ordering one of the options below. Media and documentation must be ordered separately.	
Opt. 0AN	1-seat license-to-use. Allows 1-user use of HP SoftBench on one Series 800 workstation.	\$1,500.
Opt. 0A9	10-seat license-to-use. Allows 10-user use of HP SoftBench on up to ten (10) Series 800 workstations.	12,000.
Opt. 0AG	25-seat license-to-use. Allows 25-user use of HP SoftBench on up to twenty-five (25) Series 800 workstations.	26,250.
Opt. 0AA	50-seat license-to-use. Allows 50-user use of HP SoftBench on up to fifty (50) Series 800 workstations.	45,000.
B1624A	Media and documentation for B1623A. Order one media option below. Requires prior or current purchase of B1623A.	N/C
Opt. AA0	Software on 1/4-inch tape cartridge	500.
Opt. AA1	Software on 1/2-inch 1600 cpi 9-track tape	500.
B1627A	HP Encapsulator/800 License-to-Use. Single-user license. Allows customization of HP SoftBench environment. Requires HP SoftBench/800 License-to-Use.	750.
B1628A	Media and documentation for B1627A. Order one media option below. Requires prior or current purchase of 1627A.	N/C
Opt. AA0	Software on 1/4-inch tape cartridge	250.
Opt. AA1	Software on 1/2-inch 1600 cpi 9-track tape	250.
B1629A	HP SoftBench Documentation Kit for the Series 300 and 800. Includes: Exploring HP SoftBench HP SoftBench Development Manager HP SoftBench Program Editor Editor Quick Reference HP SoftBench Program Builder HP SoftBench Program Debugger HP SoftBench Static Analyzer Does not include HP Encapsulator documentation. Documentation kit is included in B1624A.	350.
B1622-10050	Introduction to HP Softbench Training Video, VHS format only (North America/NTSC).	23.
B1622-10051	Introduction to HP Softbench Training Video, VHS format only (Europe/PAL).	23.

Migration Software

Description	Model/Product Number/Price
	825/835
PORT/RX Toolset. Includes Migration Analysis Utility, transport utilities, RTE intrinsic emulation routines and manual set.	92562A \$525.
Opt. AA0 — Software on 1/4-inch cartridge tape	N/C
Opt. AA1 — Software on 1/2-inch 1600 cpi 9-track tape	N/C
PORT/RX Manual Set	92561K \$361.
Migration Evaluation Kit. Includes Migration Analysis Utility for RTE, HP 1000 transport utilities and manual set.	92561A \$420.
Port/VX. Migration product to migrate FORTRAN applications from VAX/VMS to the HP 9000 Series 800 systems. Includes five days of consulting, and a set of software porting tools.	50729A \$12,100.
Opt. AA0 — Software on 1/4-inch cartridge tape	N/C
Opt. AA1 — Software on 1/4-inch 1600 cpi 9-track tape	N/C
Port/VX Toolset. Migration Software to migrate FORTRAN applications from VAX/VMS to HP 9000 Series 800 systems. REQUIRES PRIOR PURCHASE OF 50729A.	50730A \$5,000.
Opt. AA0 — Software on 1/4-inch cartridge tape	N/C
Opt. AA1 — Software on 1/2-inch 1600 cpi 9-track tape	N/C
Right to copy PORT/VX Toolset	50730R \$4,250.

Series 800 Languages

Description	Model/Product Number/Price	
	825/835	834
Software Media Options: Must order software media option AA0 or AA1 for each product listed below.		
Opt. AA0 — Software on 1/4-inch cartridge tape	N/C	N/C
Opt. AA1 — Software on 1/2-inch 1600 cpi 9-track tape	N/C	N/C
Opt. AAH — Software on DAT tape stored in DDS	N/C	N/C
Development Pack. Includes FORTRAN 77, Pascal, Starbase Graphics Library, and DGL/AGP Graphics Library.	92447A \$10,300.	30674A \$2,900.
Opt. OC8 — Return credit for Model 825/835 Development Pack	N/A	N/A
Opt. OCC — Revision upgrade for user not on support services. Requires prior purchase of Development Pack.	-7,100.	2,175.
FORTTRAN 77/HP-UX Compiler	92443A 4,775.	30677A 1,200.
Opt. OC8 — Return credit for Models 825/835 FORTRAN 77	N/A	N/A
Opt. OCC — Revision upgrade for user not on support services. Requires prior purchase of FORTRAN 77/HP-UX Compiler.	-3,550.	900.
Right-to-copy FORTRAN 77/HP-UX Compiler	92443R 4,065.	
Opt. OB0 — Delete manuals	-50.	
Opt. OC8 — Return credit for Models 825/835 FORTRAN 77	N/A	
Pascal/HP-UX Compiler	92444A 4,775.	30680A 1,500.
Opt. OC8 — Return credit for Models 825/835 Pascal	N/A	N/A
Opt. OCC — Revision upgrade for user not on support services. Requires prior purchase of Pascal/HP-UX Compiler.	-3,550.	1,125
Right-to-copy Pascal/HP-UX Compiler. Requires prior purchase of Pascal/HP-UX Compiler.	92444R \$4,065.	
Opt. OB0 — Delete manuals	-50.	
Opt. OC8 — Return credit for Models 825/835 Pascal	N/A	
COBOL/HP-UX Developer Package. Includes COBOL/HP-UX compiler, ANIMATOR debugging tool, FORMS-2 screen generator and manual set.	35328A 10,750.	30683A 3,745.
Opt. OC7 — Upgrade from HP 9000 Model 318, 319, 320, 330	-5,500.	N/A
Opt. OC8 — Upgrade from HP 9000 Models 825/835	N/A	N/A
Opt. 222 — Upgrade from COBOL/HP-UX Compiler. Requires prior purchase of COBOL/HP-UX Compiler.	-6,600.	2,800.
COBOL/HP-UX Run-time System	35329A 1,085.	30696A 500.
Opt. OC7 — Upgrade from HP 9000 Model 318, 319, 320, 330	-550.	N/A
Opt. OC8 — Upgrade from HP 9000 Models 825/835	N/A	375.
COBOL/HP-UX Compiler. Includes COBOL/HP-UX compiler, COBOL/HP-UX run-time system, and manual set.	35335A 6,600.	30686A 2,310.
Opt. OC7 — Upgrade from HP 9000 Model 318, 319, 320, 330	-3,000.	N/A
Opt. OC8 — Upgrade from HP 9000 Model 350, Models 825/835	-6,600.	1,735.
Real-Time Interface Developer's Kit. Includes C compiler, symbolic debugger, 80186 assembler, and SBX serial driver source code. RTI not included.	28671A See Opt. AEM	
Opt. AEM — Software for Models 825/835	10,000.	
Right-to-copy Real-Time Interface Developer's Kit. Requires prior or concurrent purchase of original product.	28671R See Opt. AEM	
Opt. OB0 — Delete manuals	-50.	
Opt. AEM — Software for Models 825/835	8,000.	

Series 800 Graphics Libraries

Description	Model/Product Number/Price
	825/834/835
Starbase/HP-UX Graphics Library	92445A \$2,600.
Opt. AA0 — Software on 1/4-inch tape cartridge	N/C
Opt. AA1 — Software on 1/2-inch 1600 cpi 9-track tape	N/C
Opt. AAH — Software on DAT tape stored in DDS	N/C
Opt. OC8 — Return credit for Models 825/835 Starbase Graphics Library	N/A
Opt. OCC — Revision credit for user not on support services. Requires prior or concurrent purchase of original product.	N/A
Right-to-copy Starbase/HP-UX Graphics Library. Requires prior or concurrent purchase of original product.	92445R 2,210.
Opt. OB0 — Delete manuals	-50.
Opt. OC8 — Return credit for Models 825/835 Starbase Graphics Library	N/A
Starbase Radiosity and Ray Tracing Library License-to-use.	B1681L 500.
Media and documentation for B1681L. Requires prior or concurrent purchase of B1681L.	B1681A 210.
DGL/AGP/HP-UX Graphics Libraries. Includes Starbase/ HP-UX Graphics Library.	92446A 3,750.
Opt. AA0 — Software on 1/4-inch cartridge tape	N/C
Opt. AA1 — Software on 1/2-inch 1600 cpi 9-track tape	N/C
Opt. AAH — Software on DAT tape stored in DDS	N/C
Opt. OC8 — Return credit for Models 825/835 DGL/AGP	N/A
Opt. OCC — Revision upgrade for user not on support services. Requires prior purchase of original product..	N/A
Right-to-copy DGL/AGP/HP-UX. Requires prior or concurrent purchase of original product.	92446R 3,190.
Opt. OB0 — Delete manuals	-50.
Opt. OC8 — Return credit for Models 825/835 DGL/AGP	N/A
HP GKS/HP-UX. Requires current version Starbase/HP-UX.	92521A 2,000.
Opt. AA0 — Software on 1/4-inch cartridge tape	N/C
Opt. AA1 — Software on 1/2-inch 1600 cpi 9-track tape	N/C
Right-to-copy HP GKS/HP-UX. Requires prior or concurrent purchase of original product.	92521R 1,700.
Opt. OB0 — Delete manuals	-50.
Starbase/HP-UX Display List. Requires current version of Starbase/HP-UX.	92522A 1,000.
Opt. AA0 — Software on 1/4-inch cartridge tape	N/C
Opt. AA1 — Software on 1/2-inch 1600 cpi 9-track tape	N/C
Right-to-copy Starbase/HP-UX Display List. Requires prior or concurrent purchase of original product.	92522R \$850.
Opt. OB0 — Delete manuals	-50.
The X Window System Version 11	B1155A 2,100.
Opt. AA0 — Software on 1/4-inch cartridge tape	N/C
Opt. AA1 — Software on 1/2-inch 1600 cpi 9-track tape	N/C
Right-to-copy The X Window System Version 11. Requires prior or concurrent purchase of original product.	B1156A 1,785.
Opt. OB0 — Delete manuals	-50.

Productivity Tools and Information Management Software

Series 800

Description	Model/Product Number/Price
	825/835
Software Media Options: Must order software media option AA0 or AA1 for each product listed below.	
Opt. AA0 — Software on 1/4-inch cartridge tape	N/C
Opt. AA1 — Software on 1/2-inch 1600 cpi 9-track tape	N/C
Opt. AAH — Software on DAT tape stored in DDS	N/C
HP ALLBASE/SQL/4GL/QUERY Developer Pack	36362A \$35,100.
Opt. 311 — Delete ALLBASE/SQL	-12,700.
Opt. 312 — Delete ALLBASE/4GL	-12,900.
Opt. 313 — Delete ALLBASE/QUERY	-5,100.
HP ALLBASE 4GL Developer Pack	35305A 17,300.
Opt. 0C8 — Return credit for Models 825/835	N/A
Right-to-copy HP ALLBASE/4GL Developer Pack. Requires prior or concurrent purchase of original product.	35305R 14,800.
Opt. 0B0 — Delete manuals	-200.
HP ALLBASE	92460A \$17,050.
Opt. 0C8 — Return credit for Models 825/835 ALLBASE	N/A
Opt. 0CC — Revision upgrade for user not on support services. Requires prior purchase of original product.	-14,650.
Right-to-copy HP ALLBASE. Requires prior or concurrent purchase of original product.	92460R 14,500.
Opt. 0B0 — Delete manuals	-50.
Opt. 0C8 — Return credit for Models 825/835 ALLBASE	N/A
HP ALLBASE/QUERY	92533A 6,830.
Opt. 0C8 — Return credit for Models 825/835 ALLBASE/QUERY	N/A
Opt. 0CC — Revision upgrade for user not on support services. Requires prior purchase of original product.	-5,600.
Right-to-copy HP ALLBASE/QUERY. Requires prior or concurrent purchase of original product.	92533R 5,800.
Opt. 0B0 — Delete manuals	-50.
Opt. 0C8 — Return credit for Models 825/835 ALLBASE/QUERY	N/A
HP ALLBASE/4GL Run-time Environment	35306A 3,450.
Opt. 0C8 — Return credit for Models 825/835 ALLBASE/4GL	N/A
HP SQL RunTime	92601A 9,400.
Opt. 0B0 — Delete manuals	-50.
Opt. 0CC — Revision upgrade for user not on support services. Requires prior purchase of original product.	-7,900.
Allbase/Net 800	92634A
Opt. 0AN — 1 User License	4,200.
Opt. 0AL — 1 - 8 User License	6,800
Opt. 0AM — 1 - 16 User License	10,400.
Opt. 0AO — 1 - 32 User License	16,800.
Opt. 0A2 — 1 - 64 User License	23,200.
Opt. 0A5 — Unlimited User License	29,600.
Opt. 0H0 — Return Credit for 1 User License	-4,200.
Opt. 0H1 — Return Credit for 1 - 8 User License	-6,800.
Opt. 0H2 — Return Credit for 1 - 16 User License	-10,400.
Opt. 0H3 — Return Credit for 1 - 32 User License	-16,800.
Opt. 0H4 — - Return Credit for 1 - 64 User License	-23,200.

Series 800 Productivity Tools and Information Management Software (cont'd)

Description	Model/Product Number/Price
	825/835
Software Media Options: Must order software media option AA0 or AA1 for each product listed below.	
Opt. AA0 — Software on 1/4-inch cartridge tape	N/C
Opt. AA1 — Software on 1/2-inch 1600 cpi 9-track tape	N/C
Opt. AAH — Software on DAT tape stored in DDS	N/C
HP Real-Time Database. Includes user's reference guide and self-paced tutorial.	92572A See Opt. AEM
Opt. AEM — Software for Models 825/835	13,200.
Right-to-copy HP Real-Time Database. Includes user's reference guide and self-paced tutorial.	92572R See Opt. AEM
Opt. AEM — Software for Models 825/835	13,200.
Opt. OBO — Delete Manuals	-165.
Execute-only HP License for Real-Time Database	92572E See Opt. AEM
Opt. AEM — Software for Models 825/835	3,300.
DataPair/800. Software that provides disk mirroring functionality. The product increases data integrity and availability by protecting against disk failure.	92623A 14,900.
Opt. OBO — Delete manuals	-50.
Opt. OC8 — Return credit for Models 825/835	N/A
Right to copy DataPair/800.	92623R 12,665.

Device Interface Systems

Description	Model/Product Number/Price
	825/835
Software Media Options: Must order software media option AA0 or AA1 for each product listed below.	
Opt. AA0 — Software on 1/4-inch cartridge tape	N/C
Opt. AA1 — Software on 1/2-inch 1600 cpi 9-track tape	N/C
HP Device Interface System RS232 Communication Development Tool. Includes user's reference guide and self-paced tutorial.	92580A See Opt. AEM
Opt. AEM — Software for Models 825/835	8,500.
Right-to-copy HP Device Interface System RS232 Communication Development Tool. Includes user's reference guide and self-paced tutorial.	92580R See Opt. AEM
Opt. OBO — Delete manuals	-165.
Opt. AEM — Software for Models 825/835	8,500.
Execute-only License for HP Device Interface System RS232 Communication Development Tool	92580E See Opt. AEM
Opt. AEM — Software for Models 825/835	2,125.
HP Interactive Visual Interface. X Window Dynamic Application Development Tool. Includes user's reference guide and self-paced tutorial.	92580A See Opt. AEM
Opt. AEM — Software for Models 825/835	13,600.
Right-to-copy HP Interactive Visual Interface. X Window Dynamic Application Development Tool. Includes user's reference guide and self-paced tutorial.	92580R See Opt. AEM
Opt. OBO — Delete manuals	-115.
Opt. AEM — Software for Models 825/835	13,600.
Execute-only License for HP Interactive Visual Interface. X Window Dynamic Application Development Tool	92580E See Opt. AEM
Opt. AEM — Software for Models 825/835	3,400.

HP 9000 Networking Products

Team Computing Software

Product/Option No.	Description	Price
B1740L	Task Broker License-to-Use for up to 10 workstations. Applies to HP Series 300, 600 and 800 workstations and all Apollo workstations. Media and documentation must be ordered separately.	\$5,000.
B1741L	Task Broker License-to-Use for up to 50 workstations. Applies to HP Series 300, 600 and 800 workstations and all Apollo workstations. Media and documentation must be ordered separately.	15,000.
B1742L	Task Broker Site* License-to-Use. Applies to HP Series 300, 600 and 800 workstations and all Apollo workstations. Media and documentation must be ordered separately.	30,000.
B1732A	Media and documentation for Series 300 and 800. Requires prior or concurrent purchase of B1740/1/2L. Must order Opt. AA0 or AA1.	300.
Opt. AA0	Software on 1/4-inch tape cartridge for Series 300, 600 and 800.	N/C
Opt. AA1	Software on 1600 cpi 9-track tape for Series 300, 600 and 800.	N/C
* Site license is restricted to a local area network. For the purpose of this license, a local area network is defined as all systems connected to the same ethernet or token ring.		

Networking Services (Series 300)

Product/Opt. No.	Description	Price
B1012A	NS 300 License-to-Use. Media and documentation must be ordered separately.	\$700.
Opt. AA0	Software on 1/4-inch tape cartridge and manuals.	100.
Opt. OB1	Extra Manuals	75.
B1013A	NFS 300 License-to-Use. Includes remote file sharing, the Yellow Pages, Remote Procedure Call, External Data Representation, Lock Manager and Remote Execution. Media and documentation must be ordered separately.	525.
Opt. 022	Software on 1/4-inch tape cartridge and manuals.	100.
Opt. OB1	Extra manuals.	75.
B1014A	ARPA/300 License-to-Use.	550.
Opt. AA0	Software on 1/4-inch tape cartridge and manuals.	100.
Opt. OB1	Extra manuals.	75.
32031A	HP X.400/900	6,500.
32069A	OTS Transport Services/9000 for the Series 300. Requires concurrent purchase of X.400.	2,500.

Networking Links (Series 300)

Product/Opt. No.	Description	Price
36941A	X.25/300 Link for HP 9000, Series 300. Includes RS-232C cable (DTE), software, and documentation	\$3,090.
1AW	Delete software. For additional card in same SPU	-590.
OCC	Revision upgrade. Requires previous purchase of 36941A	-600.
98171A	LAN/9000 for the Series 300. Includes Local Area Network Interface Controller, ThinMAU with integrated 1 meter AUI cable, BNC "T" connector, and TCP/IP software Right-to-Use for the Series 300 processors.	2,350.
Opt. AA0	1/4" cartridge tape and software documentation.	150.
Opt. OB1	Software documentation only.	75.
Opt. 001	Delete LANIC and ThinMAU assembly (software Right-to-Use and documentation only).	-1,800.
Opt. 1AW	Delete software Right-to-Use and documentation (hardware only).	-550.
Opt. 740	Replace ThinLAN connection with ThickLAN connection (includes ThickMAU, AUI cable and tap).	200.
Opt. 840	Replace ThinLAN connection with StarLAN connection (includes Twisted Pair MAU and loopback hood).	N/C

Note: For complete information on LAN cables and accessories, see the **HP Computer Users' Catalog**.

ThinLAN, ThickLAN, and StarLAN Cables and Accessories

Note: For complete information on LAN cables and accessories, see the **HP Computer Users' Catalog**.

Product/Opt. No.	Description	Price
2342A	Baseband LAN 8-port Terminal Server	\$3,500.
Opt. 240	ThickLAN connection	525.
Opt. 242	ThinLAN connection	370.
2350A	Local Server Manager Installation Kit. Includes Baseband LAN Vectra PC interface card and software on 5 1/4-inch flexible disk. Vectra PC must be ordered separately.	7,000.
Opt. 240	ThickLAN connection	525.
Opt. 242	ThinLAN connection	370.
40230A	25-pin cable for 3-pin connection	155.
42031A	2342A cable to connect long haul modem	133.
22860A*	LAN/9000 Series 800 performance upgrade. Includes Local Area Network Interface Controller (LANIC) and LANIC manual. Must order 22860AN.	925.
22860AN	Return credit for LANIC (27125-60201). Requires prior purchase of 91786A/B, 98194A/B, 91788A/B.	-400.
28663A	HP StarLAN 10 Hub. Includes ThickMAU and five-meter AUI cable.	2,495.
Opt. 241	Deletes ThickMAU and AUI cable	-500.
Opt. 242	Deletes ThickMAU and adds a ThinMAU	-100.
Opt. 001	Adds Modular Adapter	40.

ThinLAN Cables and Accessories

	ThinLAN Coax Cable (with BNC connectors installed):	
92227A	1m coax cable	25.
92227B	2m coax cable	27.
92227C	4m coax cable	29.
92227D	8m coax cable	33.
92227E	16m coax cable	39.
92227F	32m coax cable	51.
92227G	64m coax cable	76.
92227H	128m coax cable	126.
	ThinLAN Coax Cable (without connectors):	
92227J	Cut-to-length, PVC (cost per meter)	
92227K	Cut-to-length, FEP (cost per meter)	3.
	ThinLAN Accessories	
92227L	BNC Connector Pair for 92227J/K	\$22.
92227M	BNC Connector Tool Kit for 92227J/K	450.
92227N	BNC "T" Connector	27.
92227P	ThinLAN Terminator Pair	23.
28641A	ThinMAU. Includes 1 meter AUI cable and BNC "T" connector (included with 98643A)	350.
28645A	ThinLAN Hub. Includes ThinLAN Hub assembly, MAU assembly, MAU Coax Tap, four BNC "T" connectors, 5m AUI cable, wall mounting bracket, and installation manual.	3,190.
Opt. 241	Delete MAU, Tap, AUI cable, and mounting bracket.	-500.

ThickLAN Cables and Accessories

30241A	Backbone LAN MAU and Tap	400.
92256C	LAN MAU and Installation Kit (order once)	39.
92256D	AUI Wallplate. Requires all AUI connectors.	60.
92256E	LAN Surge Protector and wall mounting plate.	65.
92257B	LAN Loopback Hood.	60.
	Backbone LAN AUI Cables (with connectors attached):	
92254A	6m FEP AUI Cable	135.
92254B	12m FEP AUI Cable	200.
92254C	24m FEP AUI Cable	345.
92254D	48m FEP AUI Cable	635.
92254E	6m PVC (11) AUI Cable	85.
92254F	12m PVC AUI Cable	110.
92254G	24m PVC AUI Cable	160.
92254H	48m PVC AUI Cable	250.

Networking Products (cont'd)

Product/Opt. No.	Description	Price
	Backbone LAN AUI Cables (without connectors attached) and Tools:	
92255A	FEP Cut-to-length AUI Cable (cost per meter)	13.
92255B	PVC Cut-to-length AUI Cable (cost per meter)	4.50
92255C	LAN AUI Connector Kit (order for each 92255A/B connection)	47.
	Backbone LAN Coax Cables (including connectors and terminators):	
92253A	23.4m FEP without connectors attached	400.
92253B	23.4m FEP with connectors attached	425.
92253C	117m FEP without connectors attached	1,500.
92253D	500m FEP without connectors attached	6,000.
92253E	23.4m PVC without connectors attached	200.
92253F	23.4m PVC with connectors attached	225.
92253G	117m PVC without connectors attached	500.
92253H	500m PVC without connectors attached	2,100.
	Backbone LAN Coax Cable Tools for attaching connectors (order once):	
92256A	LAN Coax Installation Tool Kit	185.
92229B	LAN Coax Crimp Tool	199.
92253J	N-connectors, male, package of four	33.
92253K	Barrel N-connectors, females, and insulators, package of two	90.
92253L	One grounding terminator and one floating point terminator with insulator	140.
92223A	Repeater Kit. Includes repeater, two 5m repeater AUI cables, and 2 repeater MAUs. For connecting Backbone (ThickLAN) LAN coax segments.	4,080.
92223C	20m Repeater FEP AUI. Includes a single 20m repeater AUI Cable. For extending the distance between the repeater and repeater MAU (up to 50 meters maximum).	335.

StarLAN 10 Accessories

28663A	StarLan 10 Hub. Includes ThickMAU and 5 meter AUI cable for backbone connection, StarLAN 10 Hub Assembly, ThickMAU Assembly, MAU Coax tap, 5m AUI cable, wall-mounting bracket, StarLAN 10 installation and trouble-shooting guides, AUI loopback connector, and 50-pin loopback connector. Provides connectivity to IEEE 802.3 twisted-pair local area network.	2,495.
Opt. 001	Add modular adapter	40.
Opt. 241	Delete ThickMAU and 5 meter AUI cable	-500.
Opt. 242	Delete ThickMAU and 5m cable, add ThinMAU	-100.
28664A	Twisted-pair MAU. Provides connections to AUI interfaces that meet IEEE 802.3/Ethernet specifications. For use with 28663A StarLan 10 Hub. Includes MAU Assembly, 1m AUI, and Instrument Manual.	295.
Opt. 001	Add loopback connection for self-test capability.	7.

LAN Upgrade Product

98562-66534	System Interface Board Upgrade to AUI LAN Connector. Works in Model 330, 350, 360, and 370 systems to provide LAN AUI connector in place of integrated ThinLAN MAU and BNC "T" Connector. Allows connection to STARLAN 10 (via STARLAN 10 MAU, 28664A), ThickLAN (via AUI cable, 92254x, and ThickMAU and tap 30241A), or ThinLAN (via ThinLAN MAU 28641A).	\$1,200.
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Series 300-to-IBM Data Communications

Product/Opt. No.	Description	Price
36592A	HP-UX SNA Link for Series 300	
Opt. 0A0	2 session, RS-232C (19.2 Kbps)	2,165.
Opt. 0A1	32 session, RS-232C (19.2 Kbps)	5,950.
Opt. 0D0	Upgrade to 32 session	4,455.
Opt. 0D1	Upgrade to Gateway	1,670.
Opt. 001	2 session, V.35 (64 Kbps)	2,560.
Opt. 002	32 session, V.35 (64 Kbps)	6,340.
36593A	HP-UX Gateway/SNA Link for Series 300 Gateway System	N/C
Opt. 003	RS-232C interface, up to 19.2 Kbps	6,490.
Opt. 004	V.35 interface, up to 64 Kbps	6,890.
36976A	HP-UX SNA 3770 (requires 36592A HP-UX SNA Link)	1,110.
Opt. 0B0	Delete manuals	-30.
36978A	HP-UX SNA3270 English language version for Series 300	\$1,110.
Opt. 0B0	Delete manuals	-30.
B1001A	HP-UX SNA 31796G Graphics Terminal Emulator for Series 300	
Opt. AA1	Stand-alone	1,545.
Opt. AA2	Gateway	1,545.
Opt. AB1	Upgrade from stand-alone to gateway	
36979A	HP-UX SNA3270 for Series 300, Asian Language Version	1,330.
Opt. 0B0	Delete manuals	-30.
Opt. ABJ	Japanese language version	N/C
Opt. ABI	Korean language version	N/C
Opt. ABO	Traditional Chinese language version	N/C
98162A	HP-UX LU6.2 API (Requires HP-UX SNA Link 36592A or 36593A)	6,000.
Opt. 0B0	Delete manuals	-30.

5080 Emulator Products

Important: HP and Spectrographic Site Plan and Support Plan required before

ordering all 5080 Emulator products. Ask your HP sales representative for details.

Product/Opt. No.	Description	Price
98855A	5080 Emulator. Standard hardware and software required to support the 5080 terminal emulator gateway. Includes VME coax interface. Requires NS-ARPA Services/300 and current version of HP-UX. (Must specify number of users option below.)	
Opt. 301	1-user gateway license, media and documentation	\$10,200.
Opt. 304	4-user gateway license, media and documentation	20,410.
Opt. 308	8-user gateway license, media and documentation	25,910.
Opt. 312	12-user gateway license, media and documentation	30,330.
Opt. 316	16-user gateway license, media and documentation	34,800.
Opt. 400	Channel Controller	12,650.
Opt. 501	Coaxial Communications	N/C
Opt. 502	T1 Communications	2,180.
Opt. 503	V.35 Communications	2,180.
Opt. 504	Fiber Optic Communications	2,400.
98856A	5080 Emulator User Upgrade. Adds users to the 98855A 5080 Emulator. Requires prior or concurrent purchase of 98855A. (Must specify number of users option below.)	
Opt. 301	Add 1 user	6,780.
Opt. 304	Add 4 users	13,370.
Opt. 308	Add 8 users	19,690.
Opt. 312	Add 12 users	26,060.
98857A	5080 Emulator Gateway License Upgrade. Includes Communications Processor and VME Coax Interface. Requires prior or concurrent purchase of 98855A or existing Spectrographics DSCC equipment. (Must specify number of users option below.)	
Opt. 301	1-user gateway license, media and documentation	12,340.
Opt. 304	4-user gateway license, media and documentation	24,670.
Opt. 308	8-user gateway license, media and documentation	30,180.
Opt. 312	12-user gateway license, media and documentation	34,600.
Opt. 316	16-user gateway license, media and documentation	39,070.
Opt. 501	Coaxial Communications	N/C
Opt. 502	T1 Communications	2,180.
Opt. 503	V.35 Communications	2,180.
Opt. 504	Fiber Optic Communications	2,400.
98858A	Gateway License for 3278 Emulator and 5080 High-speed File Transfer. Requires prior or concurrent purchase of 98855A. (Must specify number of users option below.)	
Opt. 301	1-user gateway license, media and documentation	2,220.
Opt. 304	4-user gateway license, media and documentation	4,870.
Opt. 308	8-user gateway license, media and documentation	9,110.
Opt. 312	12-user gateway license, media and documentation	13,370.
Opt. 316	16-user gateway license, media and documentation	17,580.
98859A	3278 Emulator and 5080 High-speed File Transfer Gateway License Upgrade. Requires prior or concurrent purchase of 98855A and 98858A. (Must specify number of users option below.)	
Opt. 301	Add one user	2,220.
Opt. 304	Add four users	4,870.
Opt. 308	Add eight users	9,110.
Opt. 312	Add 12 users	13,370.

NS for DEC VAX Computer

Product/Opt. No.	Description	Price
50950A	NS for the DEC VAX computer	
Opt. 044	For HP 9000 to DEC MicroVAX communications; software on 5 1/4-inch floppy (RX50)	\$6,680.
Opt. 200	For HP 9000 to DEC MicroVAX communications; software on TK50	6,680.
Opt. 250	Upgrade from low to mid software; software on 9-track tape	3,135.
Opt. 300	For HP 9000 to DEC 11/725-85X0 communications; software on 9-track tape	9,480.
Opt. 350	Upgrade from mid to high software; software on 9-track tape	3,345.
Opt. 400	For HP 9000 to DEC 8600-89X0 communications; software on 9-track tape	12,250.
50950R	Right-to-Reproduce NS for the DEC VAX computer	
Opt. 044	For HP 9000 to DEC MicroVAX communications; software on 5 1/4-inch floppy (RX50)	5,670.
Opt. 200	For HP 9000 to DEC MicroVAX communications; software on TK50	5,670.
Opt. 300	For HP 9000 to DEC 11/725-85X0 communications; software on 9-track tape	8,030.
Opt. 400	For HP 9000 to DEC 8600-89X0 communications; software on 9-track tape	10,400.

Shared Resource Management (SRM)

(Series 300) SRM Servers and Operating System

Product/Opt. No.	Description	Price
50960A	SRM Server. Includes 98619A operating system, 50962A coax interface, interfaces and cables for video monitor and keyboard, CPU, 1/2 Mbyte RAM memory, DMA controller, HP-IB interface, High-speed HP-IB, RS-232C, and coax terminator kit in 325mm wide case. Note: You must order 35731Bx monitor and 46021A keyboard separately. Note: Requires 9888A bus expander for more than one SRM interface.	\$5,840.
Opt. 022	Software on 1/4-inch tape cartridge	N/C
Opt. 045	Software on 3 1/2-inch microfloppy disk	N/C
Opt. 100*	256 Kbytes RAM; required for on-line backup and serial printer support	645.
Opt. 110*	1 Mbyte RAM; recommended for maximum SRM performance and required for on-line backup and serial printer support	1,570.
50960U	SRM Upgrades	
Opt. 100	Battery-powered clock upgrade. Keyboard/HP-IB interface with a battery powered time-of-day clock (for systems shipped prior to 1 January 1988)	645.
98619A	SRM Operating System. Includes software and manual. Requires 50960A or 9920A Opt. 500 configuration. Included with 50960A SRM Server. Note: You must order Opt. 022 or Opt. 045.	2,345.
Opt. 001	Upgrade from previous revision of SRM Operating System	-875.
Opt. 022	Software on 1/4-inch tape cartridge	N/C
Opt. 045	Software on 3 1/2-inch microfloppy disk	N/C

* Opt. 100 and Opt. 110 cannot be ordered concurrently.



SRM Workstation Hardware (300)

Product/Opt. No.	Description	Price
	<i>Hardware required in the Series 300 workstations to connect to the SRM Servers via the coax link:</i>	
50962A	SRM Coax Interface	\$970.
50963A	SRM Interface for Vectra	970.
50961U	SRM Coax Adapter Upgrade	
Opt. 200	Upgrades 98629A SRM interface card installed in a Series 200/300 computer or SRM server. Includes SRM coax adapter and BNC "T" connector.	360.
	Coax Cables (PVC insulation, with BNC connector installed):	
92227A	1m coax cable	25.
92227B	2m coax cable	27.
92227C	4m coax cable	29.
92227D	8m coax cable	33.
92227E	16m coax cable	39.
92227F	32m coax cable	51.
92227G	64m coax cable	76.
92227H	128m coax cable	126.
	Coax Cable (without connector):	
92227J	Cut-to-length, PVC insulation (300 to 3000 meters; cost per meter)	.78
92227K	Cut-to-length, FEP insulation (300 to 3000 meters; cost per meter)	3.35
	Cable Accessories:	
92227L	BNC Connector Pair for 92227J/K	\$22.50
92227M	BNC Connector Tool Kit	450.
92227N	BNC T-connector	27.50
45695A	BNC 50 Ohm Terminator Pair	40.

SRM Workstation Software (300)

Product/Opt. No.	Description	Price
	<i>Software required in the workstations to connect to the SRM servers:</i>	
	To connect BASIC/Pascal systems in Series 300 and Vectra with Language Processor: The SRM access software is included in BASIC and Pascal language systems revision 2.1 or later.	N/C
	To connect Series 300 HP-UX systems:	
98693A	SRM Access Utilities for HP-UX	\$590.
Opt. 022	Software on 1/4-inch tape cartridge	N/C

Series 800 Networking Products

Product/Option No.	Description	Price
36967A	LAN/9000 for the Series 800. Includes Local Area Network Interface Controller (LANIC) and TCP/IP software Right-to-Use. Must order a Processor Software Option (AE6 or 1AW) and a Processor Hardware Option (20C or 001). Cabling, media and documentation are also available by selecting the appropriate options.	
Opt. AE6	Software Right-to-Use on the Model 835 processor	\$1,850.
Opt. 1AW	Delete software Right-to-Use (for additional card on same SPU). Requires prior purchase of 36967A.	N/C
Opt. AH0	LANIC for the Model 834	550.
Opt. 20C	LANIC for the Model 835	3,000.
Opt. 001	Delete hardware (for software revision upgrades or processor upgrades).	N/C
Opt. AA0	Software on 1/4" cartridge tape and software documentation	150.
Opt. AA1	Software on 1/2" magnetic tape (1600 bpi) and software documentation	150.
Opt. AAH	Software on Digital Audio Tape (DAT) and software documentation	150.
Opt. 0B1	Software documentation only.	75.
Opt. 641	Add ThinLAN connection (includes ThinMAU, stub cable and "T" connector) on Model 835	N/C
Opt. 740	Add ThickLAN connection (includes ThickMAU, tap and 6m AUI cable)	200.
Opt. 840	Add StarLAN connection (includes Twisted Pair MAU and loopback hood)	N/C
Opt. OGS	Return credit for the Model 835 processor	-1,700.
36960A	X.25/9000 Link for the Series 800.	
	MUST order ONE feature in the following options:	
Opt. AE5	For use on the Model 825	7,600.
Opt. AH0	For use on Model 834	4,000.
Opt. AE6	For use on Model 835	8,800.
Opt. 20C	Processor Hardware for 825, 834, 835 users	N/C
Opt. AA0	Software on 1/4" cartridge tape	N/C
Opt. AA1	Software on 1/4" magnetic tape (1600 bpi)	N/C
Opt. AAH	Software on Digital Audio Tape (DAT)	N/C
Opt. 1AT	RS-232-C cable	N/C
Opt. 1AU	V.35 cable	N/C
	MAY order ONE feature in the following options:	
Opt. 0B0	Delete all manuals	-75.
Opt. 2A3	Delete software on the 835 processor	-4,300.
Opt. OGS	Return credit for X.25/800 from Model 835	-8,500.
98173A	HP-UX SNA Link. Requires modem. Must order media option and processor option. Model upgrade option requires choice of media option, processor option and upgrade option.	
Opt. 0B0	Delete manual	-30.
Opt. AE5	For use on Model 825	6,500.
Opt. AE6	For use on Model 835	8,000.
Opt. 0C8	Return credit for SNA Link for Model 825	-6,200.
Opt. OGS	Return credit for SNA Link for Model 835	-7,700.
Opt. AAH	32 LUs, Digital Audio Tape (DAT)	N/C
Opt. AA0	32 LUs, 1/4-inch tape cartridge	N/C
Opt. AA1	32 LUs, 1600 bpi magnetic tape	N/C
Opt. 1AU	V.35 64 kbps	N/C
Opt. 0D0	Upgrade standalone system (32 LUs) to gateway, 1/4-inch cartridge	3,090.
Opt. 0D1	Upgrade standalone system (32 LUs) to gateway, 1600 bpi tape	3,090.
98174A	HP-UX Gateway/SNA Link. Requires LAN/9000 Series 800 Link. Requires modem. Must order media option and processor option. Model upgrade requires choice of media option, processor option and upgrade option.	
Opt. 0B0	Delete manual.	-30.
Opt. AE5	For use on Model 825	9,000.
Opt. AE6	For use on Model 835	11,000.
Opt. 0C8	Return credit for gateway/SNA Link Model 825	-8,700.
Opt. OGS	Return credit for Gateway/SNA Link Model 835	-10,700.
Opt. AA0	50 LUs, 1/4-inch tape cartridge	N/C
Opt. AA1	50 LUs, 1600 bpi magnetic tape	N/C
Opt. 1AU	V.35 64 kbps	N/C
98164A	HP-UX LU 6.2 API. Requires prior or concurrent purchase of HP 9000 Series 800 Link or Gateway Link. Must choose media option and processor option. Upgrade requires choice of media option, processor option and upgrade option.	
Opt. AA0	Software on 1/4-inch cartridge tape	N/C
Opt. AA1	Software on 1/2-inch 1600 cpi tape	N/C
Opt. AAH	Software on Digital Audio Tape (DAT)	N/C
Opt. 0B0	Delete manual	-30.
Opt. AE5	For use on Model 825	8,000.
Opt. AE6	For use on Model 835	9,000.
Opt. 0C8	Return credit for LU 6.2 API on Model 825	-7,700.
Opt. OGS	Return credit for LU 6.2 API on Model 835	-8,700.

Series 800 Networking Products (cont'd)

Product/Option No.	Description	Price
36977A	HP-UX SNA 3770. Requires prior or concurrent purchase of HP 9000 Series 800 Link or Gateway Link. Must choose media option and processor option. Upgrade requires choice of media option, processor option and upgrade option.	
Opt. AA0	Software on 1/4-inch cartridge tape	N/C
Opt. AA1	Software on 1/2-inch 1600 cpi tape	N/C
Opt. AAH	Software on Digital Audio Tape (DAT)	N/C
Opt. OB0	Delete manual	-30.
Opt. AE5	For use on Model 825	3,480.
Opt. AE6	For use on Model 835	3,580.
Opt. O08	Return credit for SNA 3770 on Model 825	-3,180.
Opt. OGS	Return credit for SNA 3770 on Model 835	-3,280.
36980A	HP-UX SNA 3270 - English Language Version. Requires prior or concurrent purchase of HP 9000 Series 800 Link or Gateway Link. Must choose media option and processor option. Upgrade requires choice of media option, processor option and upgrade option.	
Opt. AA0	Software on 1/4-inch cartridge tape	N/C
Opt. AA1	Software on 1/2-inch 1600 cpi tape	N/C
Opt. AAH	Software on Digital Audio Tape (DAT)	N/C
Opt. AE5	For use on Model 825	3,480.
Opt. AE6	For use on Model 835	3,580.
Opt. O08	Return credit for SNA 3270 on Model 825	-3,180.
Opt. OGS	Return credit for SNA 3770 on Model 835	-3,280.
Opt. OB0	Delete Manual	-30.
36981A	HP-UX SNA 3270 - Asian Language Version. Requires prior or concurrent purchase of HP 9000 Series 800 Link or Gateway Link. Must choose media option and processor option. Upgrade requires choice of media option, processor option and upgrade option.	
Opt. AA0	Software on 1/4-inch cartridge tape	N/C
Opt. AA1	Software on 1/2-inch 1600 cpi tape	N/C
Opt. AAH	Software on Digital Audio Tape (DAT)	N/C
Opt. OB0	Delete manual	-30.
Opt. AE5	For use on Model 825	4,180.
Opt. AE6	For use on Model 835	4,380.
Opt. O08	Return credit for SNA 3270 on Model 825	-3,880.
Opt. OGS	Return credit for SNA 3770 on Model 835	-4,000.
Opt. ABJ	Japanese Language Version	N/C
Opt. ABI	Korean Language Version	N/C
Opt. ABO	Traditional Chinese Language Version	N/C
32032A	X.400/9000	
Opt. AA0	Software on 1/4-inch cartridge tape	N/C
Opt. AA1	Software on 1/2-inch 1600 cpi tape	N/C
Opt. AAH	Software on Digital Audio Tape (DAT)	N/C
Opt. AE5	For use on Model 825	\$9,000
Opt. AH0	For use on Model 834	7,000.
Opt. AE6	For use on Model 835	13,000.
32070A	OSI Transport Services/9000 for the Series 800. Requires concurrent purchase of X.400.	
Opt. AA0	Software on 1/4-inch cartridge tape	N/C
Opt. AA1	Software on 1/2-inch 1600 cpi tape	N/C
Opt. AAH	Software on Digital Audio Tape (DAT)	N/C
Opt. OB0	Delete manual	-50.
Opt. AH0	For use on Model 834	3,000.
Opt. AE6	For use on Model 835	13,000.
B1029A	NS/800	
Opt. AH0	For use on Model 834	750.
Opt. AE6	For use on the Model 835	3,400.
Opt. AA0	Software on 1/4" cartridge tape and manuals	150.
Opt. AA1	Software on 1/2" 9-track 1600 cpi tape and manuals	150.
Opt. AAH	Software on Digital Audio Tape (DAT) and manuals	150.
Opt. OB1	Additional copies of documentation	75.
Opt. OG8	Upgrade from Model 825	-2,619.
Opt. OGS	Upgrade from Model 835	-3,298.
B1030A	ARPA/800	
Opt. AH0	For use on Model 834	650.
Opt. AE6	For use on Model 835	3,000.
Opt. AA0	Software on 1/4" cartridge tape and manuals	150.
Opt. AA1	Software on 1/2" 9-track 1600 cpi tape and manuals	150.
Opt. AAH	Software on Digital Audio Tape (DAT) and manuals	150.
Opt. OB1	Additional copies of documentation	75.
Opt. OGS	Upgrade from Model 835	-2,910.
B1031A	NFS/800	
Opt. AH0	For use on Model 834	500.
Opt. AE6	For use on Model 835	2,200.
Opt. AA0	Software on 1/4" cartridge tape and manuals	150.
Opt. AA1	Software on 1/2" 9-track 1600 cpi tape and manuals	150.
Opt. AAH	Software on Digital Audio Tape (DAT) and manuals	150.
Opt. OB1	Additional copies of documentation	75.
Opt. OGS	Upgrade from Model 835	-2,134.

HP 9000 Peripherals, Media and Accessories

For detailed information on model numbers and operating system revisions that support these peripherals, please refer to the HP 9000 Workstation Configuration Guide, Publication Number 5952-8594

or the HP 9000 Series 800 Configuration Guide; Publication Number 5954-8588. Peripheral, interface, and accessory information in this document is for reference only. This information does not imply

support on all SPUs and operating systems. Consult the Series 300 or Series 800 Peripheral, Interface and Accessory Support Matrix in the manual before specifying or ordering products.

SCSI Hard Disk Storage (107 Mbytes to 323 Mbytes)

SCSI cables are not included with these disk drives. Cables are included with the Series 300 SCSI Interface.

Product/Opt. No.	Description	Price
7957S	107 Mbyte Fixed Disk Drive	\$3,225.
7958S	161 Mbyte Fixed Disk Drive	3,875.
7959S	323 Mbyte Fixed Disk Drive	5,675.
C2212A	Model 330S Mass Storage System. A model 330S Mass Storage System consisting of a 332 Mbyte Fixed Disk Drive in a compact package with upgrade capability.	4,975.
Opt. 001	Add a 332 Mbyte Fixed Disk to C2212A.	4,200.
Opt. W03	Convert 1-year Return-to-HP warranty to 90-day on-site warranty.	N/C
C2213A	Model 660S Mass Storage System. A model 660S Mass Storage System consisting of a 664 Mbyte Fixed Disk Drive in a compact package with upgrade capability.	7,875.
Opt. 001	Add a 332 Mbyte Fixed Disk to C2213A.	4,200.
Opt. 002	Add one 664 Mbyte Fixed Disk to C2213A.	6,800.
Opt. 022	Add two 664 Mbyte Fixed Disks to C2213A.	13,600.
Opt. W03	Convert 1-year Return-to-HP warranty to 90-day on-site warranty.	N/C
Model 330S/600S Upgrade Kits		
C2290A	Upgrade kit to add a 332 Mbyte Fixed Disk Drive to a 330S/660S.	4,650.
Opt. W03	Converts 1-year Return-to-HP warranty to 90-day on-site warranty.	N/C
Opt. D02	Delete HP installation.	-100.
C2291A	Upgrade kit to add a 664 Mbyte Fixed Disk Drive to a 330S/660S.	6,950.
Opt. W03	Converts 1-year Return-to-HP warranty to 90-day on-site warranty.	N/C
Opt. D02	Delete HP installation.	-100.

Optical Disk Products

Product/Opt. No.	Description	Price
C1701A	Rewritable optical disk drive Series 6300 Model 650/A.	\$6,435.
Opt. 1AK	Delete disk cartridge.	-245.
Opt. 1BB	Add three disk cartridges (limit one per drive order)	700.
Opt. AF3	Add one 1.0m SCSI cable	55.
C1700A	Rewritable optical disk autochanger Series 6300 Model 20GB/A	39,950.
Opt. 231	Delete media (all but one cartridge).	-6,450.
Opt. AFJ	Add one 2.0m SCSI cable (male-male shielded).	50.
C1707A	Model 600/A HP-IB CD-ROM Drive	1,995.

Microfloppy and Hard Disk Storage (270 Kbytes — 40 MBytes)

These storage devices do not include HP-IB cables.

Product/Opt. No.	Description	Price
9127A	360 Kbyte, Single 5 1/4-inch Floppy Disk Drive (also supports HP format 270 Kbytes). For use with the HP Series 300 DOS Coprocessor System and SoftPC.	\$1,090.
9122C	2 Mbyte, 3 1/2-inch Dual Microfloppy Disk Drive (1.42 Mbytes formatted). Can be used with HP Series 300 DOS Coprocessor System and SoftPC.	1,465.
Opt. 001	Delete one microfloppy	-315.
9153C	10/20/40 Mbyte Hard Disk with 2 Mbytes Microfloppy Drive. Must order one option below.	
Opt. 010	10 Mbyte hard disk with 2 Mbytes 3 1/2-inch microfloppy disk drive	1,830.
Opt. 020	20 Mbyte hard disk with 2 Mbytes 3 1/2-inch microfloppy disk drive	2,230.
Opt. 040	40 Mbyte hard disk with 2 Mbytes 3 1/2-inch microfloppy disk drive	2,930.

HP-IB Hard Disk Storage

(41 Mbytes to 1.34 Gbytes)

These disk drives include a 1 M HP-IB cable unless otherwise noted.

Product/Opt. No.	Description	Price
C2200A	335 Mbytes HP-IB Fixed Disk Drive	\$5,275.
C2203A	670 Mbyte HP-IB Fixed Disk Drive	8,075.
7907A	41 Mbyte Fixed/Removable Disk Drive , 20 1/2 removable, 20 1/2 fixed, CS/80, HP-IB	14,620.
7933HR*	404 Mbyte Disk Drive	4,500.
7935H*	404 Mbyte Removable Media Disk Drive	24,450.
7935HR*	Remarketed 404 Mbyte Removable Media Disk Drive	5,500.
7937H	571 Mbyte Fixed Disk Drive (Discontinued May 1990)	15,700.
7937FL	571 Mbyte Fixed Disk Drive (Series 800) (Discontinued May 1990)	16,250.
7957B	81 Mbyte Fixed Disk Drive	3,225.
7958B	152 Mbyte Fixed Disk Drive	3,875.
7959B	304 Mbyte Fixed Disk Drive	5,675.
7962B	152 Mbyte Fixed Disk Drive, with upgrade capability	4,775.
7963B	304 Mbyte Fixed Disk Drive, with upgrade capability	6,475.
9262B	152 Mbyte Removable Winchester-based Disk Drive, with upgrade capability. Includes controller card, power supply, and transit case for removable disk mechanism.	9,600.
Opt. R01**	Media retention for HP 9262B Disk Drive allows customer to retain media.	N/C
Opt. 015	Voltage selector switch is set for 240V operation for non-U.S. shipment.	N/C
Opt. W03	Converts standard one-year return-to-HP warranty to 90-day on-site warranty. Must be ordered at time of purchase.	N/C
9263B	304 Mbyte Removable Winchester-based Disk Drive, with upgrade capability. Includes controller card, power supply, and transit case for removable disk mechanism.	14,050.
Opt. R01**	Media retention for HP 9263B Disk Drive allows customer to retain media.	N/C
Opt. 015	Voltage selector switch is set for 240V operation for non-U.S. shipment.	N/C
Opt. W03	Converts standard one-year return-to-HP warranty to 90-day on-site warranty. Must be ordered at time of purchase.	N/C
97902B	152 Mbyte Removable Winchester-based Disk Drive Kit for use in HP 926XB disk drives. Includes installation, controller card, and transit case for removable disk mechanism. Standard one-year return-to-HP warranty.	6,450.
Opt. D03	Deletes all installation hardware. Customer receives removable disk drive and transit case only.	-2,500.
Opt. R01**	Media retention for HP 97903B Disk Drive Kit allows customer to retain media.	N/C
Opt. W03	Converts standard one-year return-to-HP warranty to 90-day on-site warranty. Must be ordered at time of purchase.	N/C
97903B	304 Mbyte Removable Winchester-based Disk Drive Kit for use in HP 926XB disk drives. Includes installation, controller card, and transit case for removable disk mechanism. Standard one-year return-to-HP warranty.	9,350.
Opt. D03	Deletes all installation hardware. Customer receives removable disk drive and transit case only.	-2,500.
Opt. R01**	Media retention for HP 97902B Disk Drive Kit allows customer to retain media.	
Opt. W03	Converts standard on-year return-to-HP warranty to 90-day on-site warranty. Must be ordered at time of purchase.	
84766B	Transit case for HP removable disk mechanisms. For additional orders only. Each removable disk drive and disk drive kit comes in its own transit case.	285.
97962B	152 Mbyte Upgrade Kit for 7962B and 7963B with internal HP-IB cable	3,350.
97963B	304 Mbyte Upgrade Kit for 7962B and 7963B with internal HP-IB cable	4,550.

HP-FL Fiber Disks

C2201A	670 Mbyte HP-FL Fiber Disks Fixed Disk Drive (Series 800)	8,375.
C2204A	1.34 Gbyte HP-FL Fiber Disks Fixed Disk Drive (Series 800)	15,575.

* Note: Finance Remarketing Division supplies.

** On HP on-site hardware support contracts after warranty. Effective under warranty only when ordered with Opt. W03 and an HP on-site hardware support contract.

Back-up Tape Drives

Disk/Cabinet Products

Product/Opt. No.	Description	Price
<i>Cabinets/Accessories</i>		
19511A Opt. 208	Two-drive cabinet for 7936/37 disk drives. Includes rack slides and filler panels. Convenience receptacle/power tap for 60 Hz, 208V operation. (Discontinued May 1990.)	1,000. 0.
19514A	Eight-drive cabinet for 7936/37 disk drives. Includes front and back doors, rack slides, power distribution unit, disk drive power cord, sound proofing, and cabinet power cord for NEMA-standard countries. (Discontinued May 1990.)	5,000.
19512A	Adapter kit for mounting 7936/37 disk drives in 19-inch EIA cabinet. (Discontinued May 1990.)	265.
7979A #137 and 7980 #137	Tape and disk drive configuration in one cabinet. The 19512A (disk mounting kit) is required.	
88704A	Upgrade kit for mounting one 7936/37 disk drive in an existing 7979/80 tape drive cabinet.	
<i>Upgrade Kits (Series 800)</i>		
97522FL	HP-FL fiber-optic controller upgrade kit for installed 7963H or 7937H disk drives. (Discontinued May 1990.)	3,315.
Products related to 7936FL and 7937FL disk drives (Series 800)		
27111A	Fiber-optic peripheral interface for HP 9000 Series 800 computers	5,970.
13367A	Long PBus cable (required when connecting one two-drive cabinet to another).	120.
HFBR-AWQXXX	Customer cable length (up to 500 meters). Refer to HP 27111A for ordering information. For more information call your local HP sales office listed in your telephone directory or an HP regional office listed below for the location of your nearest sales office.	

Back-up Tape Drives

Product No./ Option No.	Description	Price
7979A Opt. 133 Opt. 135 Opt. 137 Opt. 800	1/2-inch 1600 cpi Tape Drive. 125 ips streaming. Add-on drive for installation below existing drive Rack-mount drive for standard 19-inch cabinet. Rack-mount hardware not included. Allows installation of 7936/37 disc below tape. Requires 19521A rack mount kit. Disc ordered separately. Add 800 cpi	13,400. -1,000. -1,300. 300. 1,600.
7980A Opt. 133 Opt. 135 Opt. 137 Opt. 800	1/2-inch 6250/1600 cpi Tape Drive. 125 ips streaming. Add-on drive for installation below existing drive Rack-mount drive for standard 19-inch cabinet. Rack-mount hardware not included. Allows installation of 7936/37 disc below tape. Requires 19512A rack mount kit. Disc ordered separately. Add 800 cpi	23,200. -1,000. -1,300. 300. 1,600.
7980XC Opt. 133 Opt. 135 Opt. 137	1/2-inch 1600/6250/6250XC cpi Tape Drive, 125 ips streaming Add-on drive for installation below existing drive. Rackmount drive for standard 19-inch cabinet. Rack-mount hardware not included. Allows installation of 7936/37 disk below tape. Requires 19512A rack mount kit. Disk ordered separately.	32,200. -1,000. -1,300. 300.
9144A	1/4-inch Cartridge Tape Drive. (67 Mbytes of data storage per 16-inch cartridge tape).	2,600.
9145A	1/4-inch Cartridge Tape Drive (133 Mbytes of data storage per 32-track cartridge tape).	4,055.
35401A	67 to 536 Mbyte 1/4-inch CS/80 Cartridge Tape Autochanger (holds eight 67 Mbyte tapes)	8,150.
92192C	Cartridge Magazine. (Unloaded. One included with 35401A.)	65.

Printers

These printers do not include interfacing cables. RS-232 or HP-IB cables must be ordered separately.

Character Printers

Product/Opt. No.	Description	Price
2225A	150 cps Thinkjet printer; HP-IB interface	495.
2225D	ThinkJet printer (RS-232C)	495.
2227A	160 cps QuietJet Plus printer; RS-232C interface	799.
2227B	160 cps QuietJet Plus printer; HP-IB interface	799.
2228A	160 cps QuietJet printer; RS-232C interface	599.
2235B	RuggedWriter 480 printer, RS-232C/HP-IB interface	1,895.
2235D	Rugged Writer 480 printer with RS-232C/HP-IB interface, and sheet feeder	2,145.
2276A	DeskJet printer (RS-232C)	795.
2277A	DeskJet PLUS printer (RS-232C)	995.
2934A	200 cps Dot Matrix Impact Printer	2,595.
Opt. 046	Replace RS-232C interface with HP-IB	150.
3630A	HP PointJet Color Graphics Printer	1,395.
Opt. 001	RS-232C Interface	N/C
Opt. 002	HP-IB Interface	N/C

*Key: cps = characters per second

Line Printers

Product/Opt. No.	Description	Price
2562C	300/420 lpm* Impact Tabletop Printer	\$5,500.
Opt. 024	Label card graphics	2,325.
2563B	300 lpm* Impact Printer	7,990.
Opt. 049	RS-232C interface in printer	120.
Opt. 290	HP 9000 HP-IB interface and 4-m cable for Series 300/500/800	500.
Opt. 510	Bundled option package; includes Opt. 004, 005, 008, 068	640.
Opt. 850	Configures the printer for use with SRM	500.
2564B	600 lpm Impact Printer	13,250.
Opt. 049	RS-232C interface in printer	240.
Opt. 114	Deletes quietized cabinet, passive stacker, and sound enclosure, and adds non-quietized cabinet.	-1,600.
Opt. 290	HP-IB CIPER interface for use with Series 300/500/800	620.
Opt. 510	Bundled option package; includes Opt. 004, 005, 008, 068	640.
Opt. 850	Configures the printer for use with SRM	626.
2566B	900 lpm Impact Printer	24,950.
Opt. 049	RS-232C interface in printer	385.
Opt. 115	Passive paper stacker	440.
Opt. 290	HP-IB CIPER interface for use with Series 300/500/800	620.
Opt. 500	Printer package, includes Options 004, 005, and 115	640.
Opt. 850	Configures the printer for use with SRM	620.
2567B	1200 lpm Impact Printer	32,000.
Opt. 049	RS-232C interface in printer	385.
Opt. 115	Passive paper stacker	440.
Opt. 290	HP-IB interface in printer, configured for CIPER (HP-UX)	660.
Opt. 500	Printer package; includes Options 004, 005, and 115	700.

*Key: lpm = lines per minute

Printers/Graphics Devices

Page Printers

Product/Opt. No.	Description	Price
33440A	LaserJet Series II 8 ppm* printer	\$2,695.
33471A	LaserJet II 4 ppm* printer	1,495.
2684A	LaserJet 2000 20 ppm Printer†	19,995.
2684P	LaserJet 2000 printer with 2000-sheet paper deck†	21,995.
2684D	LaserJet 2000 printer with 2000-sheet input paper deck and duplexer†	25,695.
33447A	LaserJet IID, 8 ppm* dual-bin printer	4,295.
26843A	RS232/422 Interface Kit for LaserJet 2000 Printer	500.
26843B	Centronics Interface Kit for LaserJet 2000 Printer	500.
26843C	Data Products Short Line Interface Kit for LaserJet 2000 printer	500.
26843D	Data Products Long Line Interface Kit for LaserJet 2000 printer	500.
26842A	LaserJet 2000 paper deck upgrade kit. Installation not included.	2000.
26845A	LaserJet 2000 1 Mbyte memory expansion kit. Installation not included.	750.
33457A	Power envelope feeder for LaserJet IID Printer	350.
33443B	1 Mbyte Memory Board for LaserJet Series II and IID printers	495.
33444B	2 Mbyte Memory Board for LaserJet Series II and IID printers	795.
33445B	4 Mbyte Memory Board for LaserJet Series II and IID printers	1,445.
33474A	1 Mbyte Memory Board for LaserJet II printer	495.
33475A	2 Mbyte Memory Board for LaserJet II printer	990.
88141A	JetScript Accessory Kit for LaserJet Series II printer	2,195.

* Key: ppm = pages per minute

† Interface not included.

Graphics Devices

Product/Opt. No.	Description	Price
3630A Opt. 001 Opt. 002	HP PaintJet Color Graphics Printer, 8-1/2 x 11-inch size RS-232C Interface HP-IB Interface	\$1,395. N/C N/C
C1602A Opt. 1AX Opt. 1AB	HP PaintJet XL Color Graphics Printer RS-232C Centronics Parallel Interface HP-IB Interface	2,495. N/C N/C
7440A Opt. 001 Opt. 002	ColorPro 8-Pen Graphics Plotter, for A4/A-size media RS-232C Interface HP-IB Interface	1,295. N/C N/C
7475A Opt. 001 Opt. 002	A ... B-size, 6-Pen Plotter RS-232C Interface HP-IB Interface	1,895. N/C N/C
7550A	A ... B-size, 8-Pen Auto Sheet-Feed Plotter (comes with RS-232C and HP-IB interfaces standard)	3,995.
7570A	DraftPro C ... D-size, 8-Pen Plotter (comes with RS-232C interface standard)	3,995.
7575A	DraftPro DXL A...D-size, 8-pen plotter (comes with RS-232C interface standard)	4,995.
7576A	DraftPro EXL A...E-size, 8-pen plotter (comes with RS-232C interface standard)	6,495.
17570A	Optional HP-IB cartridge for 7570A, 7575A, 7576A DraftPro series plotters	295.
7595A	DraftMaster I A ... E-size, 8-Pen Plotter (comes with RS-232C and HP-IB interfaces standard)	8,495.
7596A	DraftMaster II A ... E-size, 8-Pen Auto Roll-feed Plotter (comes with RS-232C and HP-IB interfaces standard)	10,995.
17520A	DraftMaster Upgrade Kit (for upgrading DraftMaster I to DraftMaster II)	3,000.
C1600A	HP 7600 Series Plotter Model 240D, D-size monochrome electrostatic plotter (comes with RS-232C, HP-IB and Centronics interfaces standard)	22,900.
C1601A	HP 7600 Series Plotter Model 240E, E-size monochrome electrostatic plotter (comes with RS-232C, HP-IB and Centronics interfaces standard)	27,500.
92177W	ColorPro Graphics Organizer	119.
92177X	7475A Graphics Organizer	179.
17525A	B-size Media Handling Kit	176.
17526A	A3-size Media Handling Kit	176.

Terminals

Terminals do not include RS-232C cables. Cables must be ordered separately.

Product/Opt. No.	Description	Price
	HP 700/94 High-performance Block-mode Terminal , 14-inch screen, 16 pages memory, printer port, 80/132 column, cache memory, local edit checks, modified data tag.	
C1002A	HP 700/94; amber screen	\$1,150.
C1002G	HP 700/94; green screen	1,150.
C1002W	HP 700/94; soft white screen	1,150.
	HP 700/92 Block-Mode Display Terminal , 14-inch screen, 8-page memory, printer port, 80- and 132-column.	
C1001A	HP 700/92 with amber screen	895.
C1001G	HP 700/92 with green screen	895.
C1001W	HP 700/92 with soft white screen	895.
	HP 700/22 ANSI DEC VT220 Compatible Terminal , 14-inch screen, 4-page memory, 80- and 132-column.	
C1004A	HP 700/22 with amber screen	529.
C1004G	HP 700/22 with green screen	529.
C1004W	HP 700/22 with soft white screen	529.
	HP 700/41 Entry-level ASCII Terminal , 14-inch screen, 1-page memory, printer port, 80-column, nine ASCII terminal compatibility modes. Not supported as system console.	
C1003A	HP 700/41 with amber screen	429.
C1003G	HP 700/41 with green screen	429.
	HP 700/43 Fully-featured ASCII Terminal , 14-inch screen, 4-page memory, printer port, 132-column, twelve ASCII terminal compatibility modes. Not supported as system console.	
C1006A	HP 700/43 with amber screen	499.
C1006G	HP 700/43 with green screen	499.
C1006W	HP 700/43 with soft-white screen	499.
	HP 700/44PC Terminal used with multiuser PCs, 14-inch screen, 4 pages memory, 80/132 column data, and VT220/100/52 emulation.	
C1007A	Amber display	599.
C1007G	Green display	599.
C1007W	Soft white display	599.
2393A	12-inch Graphics Display Terminal , 47-66 Hz, 115 Vac	2,500.
Opt. 046	Port 2: HP-IB interface	232.
Opt. 092	Port 2: 25-pin RS-232C interface, same as accessory 40210R	232.
Opt. 093	Port 2: 8-bit parallel Centronics-type interface, same as accessory 40201P	232.
2397A	Color Graphics Terminal with selectable 512 x 390 or 640 x 400 resolution. Eight colors from 64-color palette.	3,925.
Opt. 046	Port 2: HP-IB Interface	232.
Opt. 092	Port 2: 25-pin RS-232C interface, same as accessory 40210R	232.
Opt. 093	Port 2: 8-bit parallel Centronics-type interface, same as accessory 40201P	232.
98791B	HP2392A and VT100 Terminal Emulator for Series 300 (requires 46084A HP-HIL ID Module and RS-232C interface)	605.

Miscellaneous Peripherals

Product/Opt. No.	Description	Price
2334A	x.25 Multiplexer	\$2,560.
Opt. 100	Initial configuration	385.
Opt. 123	4-port Modem-connect Card	940.
Opt. X25	X.25 Manual. Required for 2334A.	15.
37212B	2400 bps Autodial Error Correcting Modem	985.
92205A	Hayes Smartmodem 1200™ (U.S.) , 60 Hz, 120 Vac	399.
92205C	Hayes Smartmodem 1200™ (Canada) , 60 Hz, 120 Vac	399.

Smartmodem 1200™ is a trademark of Hayes Microcomputer Products, Inc.

Accessories

Product/Opt. No.	Description	Price
	Cables:	
10833A	1 meter HP-IB Cable	\$80.
10833B	2 meter HP-IB Cable	90.
10833C	4 meter HP-IB Cable	100.
10833D	0.5 meter HP-IB Cable	80.
10834A	Adapter, extends HP-IB connector 2.3 cm	31.
17255D	RS-232C cable	44.
40242G	RS-232C cable	77.
24542G	Serial Printer Cable RS-232C	60.
24542M	U.S. Europe Modem Cable	60.
24542H	Serial Cable RS-232C	60.
92211L	Taboret Cabinet Rack for Series 300 and 325 mm-wide peripherals	310.
92211M	Small Taboret Cabinet Rack for Series 300 and 325 mm-wide peripherals	250.
92211R	HP Design Plus Mobile Mini-rack for 325 mm-wide peripherals	585.
98787B	Tilt and Swivel Base for the 98751A, 98752A, 98785A, or 98789A monitor	315.
19512A	EIA 19-inch Rack Slide Kit for 7936 and 7937 disk drives	265.
92213B	CAD Table with pull-out work surface and keyboard tray	849.
92222A	0.5m SCSI cable (male-male shielded)	49.
92222B	1.0m SCSI cable (male-male shielded)	55.
92222C	2.0m SCSI cable (male-male shielded)	59.
92222D	1.0m SCSI cable (male-female shielded)	55.
19500B	EIA 19-inch Rack Mounting Kit for 91XX, 795x/A/B/S, and C1701A disk drives	125.
98567A	EIA 19-inch Rack Mounting Kit for the 35731A/B 12-inch monitor	255.
98567B	EIA 19-inch Rack Mounting Kit for the 35741A/B 12-inch monitor	255.
98569A	EIA 19-inch Rack Mounting Kit for Series 300 SPU or SPU and expander	250.
92150D	600-ft. 1/2-inch Magnetic Tape Reels, box of ten	135.
92150E	1200-ft. 1/2-inch Magnetic Tape Reels, box of ten	175.
92150F	2400-ft. 1/2-inch Tape Reels, in seals, box of ten	229.
92211S	Four rail sets and 10 module locks for 92211R	50.
92211T	20 Filter Panels for 92211R	40.
29431G	56-inch Steel Cabinet	3,600.
92214P	Design Plus print stand for 2930 Series printers	295.
92269B	ThinkJet Printer Stand for HP 700 Series Terminals	49.
92166C	Swivel Stand for HP Terminals	99.
92261S	ThinkJet Printer Stand	49.
92261R	Paper Catcher for ThinkJet Printer Stand	35.
92261U	QuietJet Printer Stand	79.
92261T	Paper Catcher for QuietJet PLUS Printer Stand	84.
92211B	Mobile LaserJet Printer Cabinet	585.
92166E	Plotter Sound Enclosure for 7440A/7475A	249.
92214A	HP Design Plus System Table, 28.4" H x 29.5" W x 28.0" D	475.
92214B	HP Design Plus System Table, 28.4" H x 44.3" W x 28.0" D	525.
92214K	HP Design Plus CAD Corner Workstations, 44.3" W	899.
92211N	HP Design Plus Mobile Drawer Unit, 28.4" H x 14.8" W x 28.0" D	745.
92211E	Small Drawer Unit for 92211R, 4.0" H x 12.75" W x 18.62" D	139.
92211F	Medium Drawer Unit for 92211R, 6.0" H x 12.75" W x 18.62" D	149.
92211G	Large Drawer Unit for 92211R, 12.0" H x 12.75" W x 18.62" D	159.
8120-3448	6.0m HP-IB cable	125.

Product/Opt. No.	Description	Price
8120-3449	8.0m HP-IB cable	135.
82977A	1.0m right-angle HP-IB cable	105.
82977B	2.0m right-angle HP-IB cable	115.
92220R	0.5m right-angle HP-IB cable	80.
26075A	HP-IB Switch	770.
30070-00043	Cable joining plate	8.
92219Q	1.0m DCE (port)-to-DTE cable	55.

Media

Product/Opt. No.	Description	Price
92192A	Blank 3 1/2-inch, Double-sided Microfloppy Disks (box of ten)	\$39.
92192N	Blank 3 1/2-inch, Double-sided Microfloppy Disks (box of 100)	279.
92191A	Blank 3 1/2-inch, Single-sided Microfloppy Disks (box of ten)	29.
92190A	Blank 5 1/4-inch Floppy Disks (box of ten)	25.
92195A	Blank 8-inch Floppy Disks (box of ten)	61.
97907A	20.5 Mbytes Cartridge Tape for 7907A	225.
88140LC	Certified, 1/4-inch Tape Cartridges, for the 9144A tape drive, 600-foot (box of five)	219.
88140SC	Certified, 1/4-inch Tape Cartridges, for the 9144 tape drive, 150-foot (box of five)	169.
92245L	Certified, 1/4-inch Tape Cartridges for the 9145A tape drive, 600-foot (box of five)	239.
92245S	Certified, 1/4-inch Tape Cartridges for the 9145A tape drive, 150 foot (box of five)	189.
88140LC	600 ft. (67 Mbyte) 1/4-inch Data Cartridges, box of five	219.
88140SC	150 ft. (16 Mbyte) 1/4-inch Data Cartridges, box of five	169.
92190A	5 1/4-inch Double-sided Flexible Disks, box of ten	25.
92192A	3 1/2-inch Double-sided Microfloppy Disks, box of ten	39.
92280A	Rewritable optical disk cartridge.	249.
92150F	Box of 10 – 2400 foot reels of tape.	229.

Hardware Support

HP SuccessLine Service

On-Site Computer Hardware Support Service

HP SuccessLine service provides you with high-quality support that enables you to maximize computer system uptime and productivity. It gives you the flexibility to choose response times and coverage periods that meet your service needs, while providing superior value for your money.

Hewlett-Packard's professionalism and commitment to quality ensure that you receive maximum availability from your HP computer products. If a hardware problem arises, you will receive assistance from local HP engineers, backed by our local and worldwide resources. HP's engineers are professionals trained on the latest support technology who can implement a support plan for a single site or a worldwide network.

With HP SuccessLine service, you have the flexibility to choose the service level that meets your needs. The right choice for you depends upon the critical nature of your applications and the availability of alternate computing resources. While these service levels meet the needs of most customers, HP also has the flexibility to individualize service for you. Your HP support representative can discuss these alternatives with you.

You may choose from four standard service levels:

Support Selection Guide for HP SuccessLine Service

	Priority Plus	Priority	Next Day	Scheduled
Coverage Hours	24 hours 7 days	8 am—9 pm* Mon—Fri	8 am—5 pm Mon—Fri	8 am—5 pm Mon—Fri
Response Time	Best response; not to exceed 4 hours	Best response; not to exceed 4 hours	Next working day	Scheduled weekly visits
Usage Environment	Highly critical	Urgent	Less critical	Multiple units; spare equipment

* If you request service before 5:00 pm, an HP engineer will respond on-site within 4 hours, if an on-site call is necessary.

Priority Plus Support.

If your applications are extremely critical and call for maximum availability, this service level will provide you with maximum coverage hours and days and HP's best possible response.* This coverage is ideal if you have crucial applications or multiple-shift operations.

Priority Support.

If you require maximum availability during standard business hours and evenings and a very rapid response from HP, then this service level will meet your needs. On-site service is available for several hours beyond the standard business day, and HP will respond to your service request as quickly as possible.* This coverage is provided during the normal workweek.

Next Day Support.

If your application allows for service delivery on the following business day, then this service level will be your most cost-effective solution for support. This solution is ideal if you have spare or substitute equipment.

Scheduled Support.

This service level offers the lowest cost support for your HP computer products. It is an economical support solution if you have alternate PCs or workstations and your users are running less-critical applications. An HP engineer makes scheduled weekly visits to a central site at your location.

In the following section, support services are listed alongside HP 9000 products. A few products, such as trade-in programs, manuals, media, and upgrades are not applicable.

Note: All prices are quoted in monthly amounts. N/C stands for No Charge, N/A stands for Not Applicable.

*Response time of 4 hours, but typical response times are shorter.



RAM Upgrades

Product No.	Description	Scheduled	Next Day	Priority	Priority Plus
98266A	RAM Upgrade	1.	2.	4.	5.
98266B	RAM Upgrade	3.	4.	9.	12.
98267A	Model 360 4 Mbytes RAM Board	1.	2.	4.	5.
98267B	Model 360 8 Mbytes RAM Board	2.	3.	6.	8.
98267C	Model 360 12 Mbytes RAM Board	4.	6.	11.	14.

System Processing Units (SPUs)

Product No.	Description	Scheduled	Next Day	Priority	Priority Plus
98561A	Model 310 SPU	6.	9.	16.	20.
Opt. 002		N/C	N/C	N/C	N/C
Opt. 003		N/C	N/C	N/C	N/C
Opt. 004		N/C	N/C	N/C	N/C
Opt. W03		N/C	N/C	N/C	N/C
98561B	Model 320 SPU	9.	13.	23.	29.
98561C	Model 320U SPU	25.	38.	70.	88.
98562A	Model 330 SPU	8.	11.	20.	25.
Opt. 006		N/C	N/C	N/C	N/C
Opt. 010		N/C	N/C	N/C	N/C
Opt. 011		N/C	N/C	N/C	N/C
Opt. 015		N/C	N/C	N/C	N/C
Opt. 017		N/C	N/C	N/C	N/C
Opt. W03		N/C	N/C	N/C	N/C
98562B	Model 350 SPU	15.	24.	43.	54.
Opt. 011		N/C	N/C	N/C	N/C
Opt. 015		N/C	N/C	N/C	N/C
Opt. 017		N/C	N/C	N/C	N/C
Opt. 116		8.	10.	18.	23.
Opt. 208		-1.	N/C	2.	3.
Opt. 216		2.	4.	7.	9.
Opt. 605		N/A	N/C	N/C	N/C
Opt. 606		N/A	N/C	N/C	N/C
Opt. W03		N/C	N/C	N/C	N/C
98579A	Model 360 SPU	8.	11.	20.	20.
Opt. 006		N/C	N/C	N/C	N/C
Opt. 010		N/C	N/C	N/C	N/C
Opt. 011		N/C	N/C	N/C	N/C
Opt. 015		1.	2.	4.	4.
Opt. 017		1.	2.	4.	4.
Opt. 108		1.	2.	4.	4.
Opt. 112		2.	3.	6.	6.
Opt. 116		4.	7.	11.	11.
98579B	Model 370 SPU	15.	22.	40.	50.
Opt. 011		N/C	N/C	N/C	N/C
Opt. 015		1.	2.	4.	5.
Opt. 017		1.	2.	4.	5.
Opt. 116		8.	11.	18.	23.
Opt. 208		-1.	N/C	2.	3.
Opt. 216		2.	4.	7.	9.

Model 340 Workstations

Product No.	Description	Scheduled	Next Day	Priority	Priority Plus
98563E	Model 340M Monochrome Workstation	14.	21.	38.	48.
98563G	Model 340MH 2D Monochrome Workstation	14.	21.	38.	48.
98564C	Model 340C+ Color Workstation	11.	16.	30.	38.
98564G	Model 340CH 2D Color Workstation	11.	16.	30.	38.
98573C	Model 340SRX Solid Rendering Workstation	37.	57.	106.	133.
Opt. 006		N/C	N/C	N/C	N/C
Opt. 010		N/C	N/C	N/C	N/C
Opt. 011		N/C	N/C	N/C	N/C
Opt. 015		N/C	N/C	N/C	N/C
Opt. 016		N/A	N/A	N/A	N/A
Opt. 017		N/C	N/C	N/C	N/C
Opt. 024	(Model 340SRX only)	12.	18.	31.	39.
Opt. 032	(Model 340SRX only)	16.	25.	43.	54.
Opt. 061		N/C	N/C	N/C	N/C
Opt. 084		N/C	N/C	N/C	N/C
Opt. 108		1.	2.	4.	5.
Opt. 112		3.	4.	8.	10.
Opt. 116		4.	6.	12.	15.
Opt. 404		13.	20.	25.	32.
Opt. 405		14.	22.	28.	35.
Opt. 408		21.	31.	45.	57.
Opt. 409		22.	33.	48.	60.
Opt. 410		22.	33.	48.	60.
Opt. 412		26.	37.	66.	26.
Opt. 556	(Model 340CH only)	3.	4.	7.	8.
Opt. 719		9.	15.	26.	33.

Model 345 Workstations

Product No.	Description	Scheduled	Next Day	Priority	Priority Plus
98563H	Model 345MH Workstation	15.	22.	40.	50.
98564H	Model 345C+ Workstation	12.	17.	32.	40.
98578H	Model 345CH Workstation	12.	17.	32.	40.
98573H	Model 345SRX Workstation	38.	58.	108.	135.
98573J	Model 345TurboSRX Workstation	55.	83.	149.	187.
Opt. 010		N/C	N/C	N/C	N/C
Opt. 011		N/C	N/C	N/C	N/C
Opt. 012		N/A	N/A	N/A	N/A
Opt. 016	(Model 345SRX only)	N/A	N/A	N/A	N/A
Opt. 024	(Model 345SRX only)	N/A	N/A	N/A	N/A
Opt. 032	(Model 345SRX only)	N/A	N/A	N/A	N/A
Opt. 061		N/C	N/C	N/C	N/C
Opt. 084		N/C	N/C	N/C	N/C
Opt. 112		1.	1.	2.	1.
Opt. 116		2.	2.	4.	2.
Opt. 411		26.	37.	66.	26.
Opt. 412		26.	37.	66.	26.
Opt. 416	(Model 345 TurboSRX only)	N/A	N/A	N/A	N/A
Opt. 424	(Model 345 TurboSRX only)	N/A	N/A	N/A	N/A
Opt. 608	(Model 345 TurboSRX only)	N/A	N/A	N/A	N/A
Opt. 616	(Model 345 TurboSRX only)	N/A	N/A	N/A	N/A
Opt. 624	(Model 345 TurboSRX only)	N/A	N/A	N/A	N/A
Opt. 108	(Model 345MH only)	1.	1.	2.	3.
Opt. 719	(Model 345CH/SRX)	N/A	N/A	N/A	N/A

Model 360 Workstations

Product No.	Description	Scheduled	Next Day	Priority	Priority Plus
98589W	Model 360MH 2D Color Workstation	14.	21.	38.	48.
98583W	Model 360C+ Color Workstation	11.	16.	30.	38.
98588W	Model 360CH 2D Color Workstation	11.	16.	30.	38.
98587W	Model 360 SRX Solid Rendering Workstation	37.	57.	106.	133.
Opt. 006		N/C	N/C	N/C	N/C
Opt. 010		N/C	N/C	N/C	N/C
Opt. 011		N/C	N/C	N/C	N/C
Opt. 015		1.	2.	4.	5.
Opt. 016		N/A	N/A	N/A	N/A
Opt. 017		1.	2.	4.	5.
Opt. 024	(Model 360SRX only)	12.	18.	31.	39.
Opt. 032	(Model 360SRX only)	16.	25.	34.	54.
Opt. 108	(Model 360SRX only)	1.	2.	4.	5.
Opt. 116		4.	7.	11.	14.
Opt. 112		2.	3.	6.	8.
Opt. 404		11.	20.	25.	32.
Opt. 405		12.	22.	28.	35.
Opt. 408		21.	31.	45.	57.
Opt. 409		22.	33.	48.	60.
Opt. 410		22.	33.	48.	60.
Opt. 556	(Model 360CH)	3.	4.	7.	9.
Opt. 716		N/A	N/A	N/A	N/A
Opt. 719		9.	14.	23.	29.

Model 370 Workstations

Product No.	Description	Scheduled	Next Day	Priority	Priority Plus
98589G	Model 370MH Monochrome Workstation	22.	32.	58.	73.
98583E	Model 370C+ Color Workstation	28.	44.	79.	99.
98588G	Model 370CH Color Workstation	27.	41.	73.	92.
98587G	Model 370SRX Solid Rendering Workstation	53.	82.	149.	187.
98587H	Model 370TurboSRX Solid Rendering Workstation	60.	92.	165.	207.
Opt. 011		N/C	N/C	N/C	N/C
Opt. 015		1.	2.	4.	5.
Opt. 116		8.	11.	18.	23.
Opt. 017		1.	2.	4.	5.
Opt. 208		-1.	N/C	2.	3.
Opt. 216		2.	4.	7.	9.
Opt. 404		11.	20.	25.	32.
Opt. 405		12.	22.	28.	35.
Opt. 408		21.	31.	45.	57.
Opt. 409		22.	33.	48.	60.
Opt. 410		22.	33.	48.	60.
Opt. 716		N/A	N/A	N/A	N/A
Opt. 556		N/A	N/A	N/A	N/A
Opt. 688		N/A	N/A	N/A	N/A
Opt. 016	(Model 370SRX)	N/A	N/A	N/A	N/A
Opt. 024	(Model 370SRX)	N/A	N/A	N/A	N/A
Opt. 032	(Model 370SRX)	N/A	N/A	N/A	N/A
Opt. 608	(Model 370 TurboSRX only)	34.	53.	96.	120.
Opt. 616	(Model 370 TurboSRX only)	39.	60.	108.	135.
Opt. 624	(Model 370 TurboSRX only)	43.	67.	120.	150.
Opt. 716	(Model 370 TurboSRX only)	-9.	-14.	-23.	-29.
Opt. 416	(Model 370 TurboSRX only)	4.	7.	12.	15.
Opt. 424	(Model 370 TurboSRX only)	9.	14.	24.	30.

Model 375 Workstations

Product No.	Description	Scheduled	Next Day	Priority	Priority Plus
98574B	Model 375 SPU	12.	16.	30.	38.
98589J	Model 375MH Workstation	18.	26.	48.	60.
98583J	Model 375C+ Workstation	25.	36.	66.	83.
98588J	Model 375CH Workstation	24.	35.	63.	79.
98587J	Model 375SRX Workstation	50.	76.	139.	174.
98587K	Model 375TurboSRX Workstation	58.	87.	157.	197.
Opt. 006		N/C	N/C	N/C	N/C
Opt. 010		N/C	N/C	N/C	N/C
Opt. 012		N/A	N/A	N/A	N/A
Opt. 016		N/A	N/A	N/A	N/A
Opt. 024		N/A	N/A	N/A	N/A
Opt. 032		N/A	N/A	N/A	N/A
Opt. 116		1.	2.	4.	5.
Opt. 124		2.	4.	8.	10.
Opt. 132					
Opt. 404		13.	20.	25.	32.
Opt. 405		14.	22.	28.	35.
Opt. 408		21.	31.	45.	57.
Opt. 409		22.	33.	48.	60.
Opt. 410		22.	33.	48.	60.
Opt. 416		N/A	N/A	N/A	N/A
Opt. 424		N/A	N/A	N/A	N/A
Opt. 556					
Opt. 716					
Opt. 608		N/A	N/A	N/A	N/A
Opt. 616		N/A	N/A	N/A	N/A
Opt. 624					

Series 300 Instrument Controllers

Model PC-308, PC-312, and PC-315 Instrument Controllers

Product No.	Description	Scheduled	Next Day	Priority	Priority Plus
82314E	PC-308ML BASIC Controller	9.	16.	29.	37.
82315E	PC-308CL BASIC Controller	11.	19.	35.	44.
82319E	PC-308CM BASIC Controller	12.	19.	35.	44.
82332E	PC-312CL BASIC Controller	10.	25.	46.	58.
82333E	PC-312CM BASIC Controller	14.	25.	46.	58.
82334E	PC-315CN BASIC Controller	18.	27.	49.	58.

Model 310 Instrument Controllers

Product No.	Description	Scheduled	Next Day	Priority	Priority Plus
98581B	Model 310CMA Low-cost Color Instrument Controller	8.	11.	20.	25.
Opt. 005		N/C	N/C	N/C	N/C
Opt. 008		N/C	N/C	N/C	N/C
98580B	Model 310MMA Monochrome Instrument Controller System	8.	11.	20.	25.
Opt. 005		N/C	N/C	N/C	N/C
Opt. 002		N/C	N/C	N/C	N/C
Opt. 008		N/C	N/C	N/C	N/C

Model 330 Instrument Controllers

Product No.	Description	Scheduled	Next Day	Priority	Priority Plus
98581S	Model 330CMA Color Instrument Controller	9.	13.	24.	30.
Opt. 015		N/C	N/C	N/C	N/C
Opt. 017		N/C	N/C	N/C	N/C
98580S	Model 330MMA Monochrome Instrument Controller	9.	13.	24.	30.
Opt. 015		N/C	N/C	N/C	N/C
Opt. 017		N/C	N/C	N/C	N/C

Model 332 Instrument Controllers

Product No.	Description	Scheduled	Next Day	Priority	Priority Plus
98572A	Model 332 SPU	5.	8.	14.	18.
Opt. 003	Delete Graphics	N/C	N/C	N/C	N/C
Opt. 004	Delete Card Cage	N/C	N/C	N/C	N/C
Opt. 104	Substitute 4 Mb for 1Mb RAM	2.	3.	5.	7.
Opt. 102	Add 1 Mb RAM	N/C	N/C	N/C	N/C
Opt. 544	Substitute HiRes Graphics	N/C	N/C	N/C	N/C
Opt. 882	Add 68882 Coprocessor	N/C	N/C	N/C	N/C
98580C	Model 332MMA	6.	10.	20.	25.
Opt. 008	Add Display Compat I/F	N/C	N/C	N/C	N/C
Opt. 102	Add 1 Mb RAM	N/C	N/C	N/C	N/C
Opt. 104	Substitute 4 Mb for 1 Mb RAM	2.	3.	5.	7.
Opt. 882	Add 68882 Coprocessor	N/C	N/C	N/C	N/C
98581C	Model 332CMA	6.	10.	18.	23.
Opt. 008	Add Display Compat I/F	N/A	N/C	N/C	N/C
Opt. 102	Add 1 Mb RAM	N/A	N/C	N/C	N/C
Opt. 104	Substitute 4 Mb for 1 Mb RAM	2.	3.	5.	7.
Opt. 882	Add 68882 Coprocessor	N/C	N/C	N/C	N/C
98269a	M332 1Mb RAM	N/C	N/C	N/C	N/C
98269b	M332 4 Mb RAM	2.	3.	5.	7.
98284A	68882 Coprocessor	N/C	N/C	N/C	N/C
98285A	Graphics Upgrade	N/C	N/C	N/C	N/C

Series R Controllers

Product No.	Description	Scheduled	Next Day	Priority	Priority Plus
A1303A	R/332 with 3 1/2-inch floppy BASIC and Touchscreen	9.	11.	20.	25.
A1305A	R/332 with 3 1/2-inch floppy, 20 Mbyte hard disk, BASIC, Touchscreen	9.	13.	23.	29.
A1307A	R/332 with 3 1/2-inch floppy, 40 Mbyte hard disk, BASIC, Touchscreen	10.	15.	27.	34.

Model 360 Instrument Controllers

Product No.	Description	Scheduled	Next Day	Priority	Priority Plus
98580W	Model 360 MMA Monochrome HP BASIC/WS Instrument Controller	9.	13.	24.	30.
98580WX	Model 360 MMAX Monochrome HP BASIC/UX Instrument Controller	14.	21.	38.	48.
98581W	Model 360 CMA Color HP BASIC/WS Instrument Controller	9.	13.	24.	30.
98581WX	Model 360 CMAX Color HP BASIC/UX Instrument Controller	11.	16.	30.	38.
Opt. 015		1.	2.	4.	5.
Opt. 017		1.	2.	4.	5.
Opt. 108		1.	2.	4.	5.
Opt. 112		2.	3.	6.	8.
Opt. 116		4.	7.	11.	14.
Opt. 003		-5.	-10.	-18.	-23.
Opt. 402		11.	20.	25.	32.

Series 300 Network Servers

Product No.	Description	Scheduled	Next Day	Priority	Priority Plus
98564E	Model 15NS Design Automation Network Server	N/A	N/A	69.	87.
Opt. 015		N/A	N/A	N/A	N/A
Opt. 017		N/A	N/A	N/A	N/A
Opt. 112		N/A	N/A	4.	5.
Opt. 116		N/A	N/A	9.	12.
Opt. 401		N/A	N/A	23.	29.
Opt. 549		N/A	N/A	10.	13.
98566E	Model 25NS Design Automation Network Server	N/A	N/A	145.	182.
Opt. 015		N/A	N/A	N/A	N/C
Opt. 017		N/A	N/A	N/A	N/C
Opt. 316		N/A	N/A	3.	7.
Opt. 332		N/A	N/A	21.	27.
Opt. 548		N/A	10.	18.	23.
Opt. 550		N/A	N/A	33.	42.

Series 800 Workstations

Model 834 Workstations

Product No.	Description	Scheduled	Next Day	Priority	Priority Plus
A1056A	Model 834CH Workstation	N/A	\$110.	\$150.	\$189.
A1089A	Model 834SRX Workstation	N/A	132.	203.	256.
A1091A	Model 834 TurboSRX Workstation	N/A	138.	212.	267.
Opt. 0B1		N/A	N/A	N/A	N/A
Opt. 001		N/A	5.	7.	9.
Opt. 002		N/A	N/C	N/C	N/C
Opt. 003		N/A	2.	4.	5.
Opt. 004		N/A	6.	13.	17.
Opt. 016	(Model 834SRX only)	N/A	N/A	N/A	N/A
Opt. 024	(Model 834SRX only)	N/A	N/A	N/A	N/A
Opt. 032	(Model 834SRX only)	N/A	N/A	N/A	N/A
Opt. 416	(Model 834 TurboSRX only)	N/A	11.	19.	24.
opt. 424	(Model 834 TurboSRX only)	N/A	18.	31.	39.
Opt. 515		N/A	N/C	N/C	N/C
Opt. 516		N/A	N/C	N/C	N/C
Opt. 531		N/A	N/C	N/C	N/C
Opt. 608	(Model 834 TurboSRX only)	N/A	53.	96.	121.
Opt. 616	(Model 834 TurboSRX only)	N/A	16.	108.	136.
Opt. 624	(Model 834 TurboSRX only)	N/A	67.	120.	151.
Opt. 710	(Model 834CH only)	N/A	N/A	N/A	N/A
Opt. 716		N/A	-14.	-23.	-29.
Opt. 834		N/A	22.	28.	35.
Opt. 835		N/A	33.	48.	60.

Series 800 Workstations

Model 835 Workstations

Product No.	Description	Scheduled	Next Day	Priority	Priority Plus
A1050A	Model 835CHX 2D Graphics Workstation	N/A	\$206.	\$275.	\$346.
A1045A	Model 835SRX Solid Rendering Workstation	N/A	240.	338.	424.
A1055A	Model 835 TurboSRX Solid Rendering Workstation	N/A	226.	319.	400.
Opt. AA0		N/A	N/A	N/A	N/A
Opt. AA1		N/A	N/A	N/A	N/A
Opt. 002		N/A	N/C	N/C	N/C
Opt. 003		N/A	2.	4.	5.
Opt. 004		N/A	6.	13.	17.
Opt. 005	(Model 835 CHX only)	N/A	N/A	N/A	N/A
Opt. 006	(Model 835 CHX only)	N/A	N/A	N/A	N/A.
Opt. 007	(Model 835 CHX only)	N/A	N/A	N/A	N/A
Opt. 016	(Model 835 SRX only)	N/A	N/A	N/A	N/A
Opt. 024	(Model 835 SRX only)	N/A	N/A	N/A	N/A
Opt. 032	(Model 835 SRX only)	N/A	N/A	N/A	N/A
Opt. 416	(Model 835 TurboSRX only)	N/A	11.	19.	24.
Opt. 424	(Model 835 TurboSRX only)	N/A	18.	31.	39.
Opt. 515		N/A	N/C	N/C	N/C
Opt. 516		N/A	N/C	N/C	N/C
Opt. 531		N/A	N/C	N/C	N/C
Opt. 608	(Model 835 TurboSRX only)	N/A	53.	96.	121.
Opt. 616	(Model 835 TurboSRX only)	N/A	60.	108.	136.
Opt. 624	(Model 835 TurboSRX only)	N/A	67.	120.	151.
Opt. 716		N/A	-14.	-23.	-29.
Opt. 747	(Model 835 TurboSRX only)	N/A	5.	11.	14.
Opt. 0E1		N/A	13.	16.	20.

SPU Accessories

Product No.	Description	Scheduled	Next Day	Priority	Priority Plus
98242A	4-slot DIO Backplane	N/C	N/C	N/C	N/C
98242B	2-slot DIO Backplane	N/C	N/C	N/C	N/C
98568A Opt. 132	Direct Connect 8-slot I/O Expander	1. N/C	2. N/C	4. N/C	5. N/C
98570A	Direct Connect DIO II Expander	1.	2.	4.	5.
9888A	16-slot DIO Expander	5.	8.	14.	18.
98258A Opt. 004 Opt. 005	4 Mbytes Parity-Checking RAM Controller	3. N/C N/C	4. N/C N/C	7. N/C N/C	9. N/C N/C
98258B	4 Mbytes Parity-Checking RAM Add-on	1.	1.	2.	3.
98258C	12 Mbytes Parity-Checking RAM Add-on	8.	11.	20.	25.
98257A	1 Mbyte RAM Card (DIO)	N/C	N/C	N/C	N/C
98268A	4 Mbytes RAM for Model 340	1.	2.	4.	5.
98013A	DIO Slot Upgrade for Model 340	N/C	N/C	N/C	N/C
98235A	AUI LAN Upgrade for Model 340	N/C	N/C	N/C	N/C
98237A	ThinLAN Upgrade for Model 340	N/C	N/C	N/C	N/C
98264A	8 Mbytes Error-Checking and Correcting (ECC) RAM	3.	5.	11.	14.
98264B	16 Mbytes Error-Checking and Correcting (ECC) RAM	5.	9.	16.	20.
98248A Opt. 004 Opt. 005	Floating Point Accelerator for Model 350	N/A N/A N/A	11. N/C N/C	20. N/C N/C	25. N/C N/C
98248B	Floating Point Accelerator for Models 330, 360 and 370	3.	4.	9.	12.
98262A	High-speed HP-IB Disk Interface for Model 330 System Interface Board	N/C	N/C	N/C	N/C
98265A	SCSI Single Ended Board for Models 330 and 350	N/C	N/C	N/C	N/C
98267A	Model 360 4 Mbytes R/AM Board	1.	2.	4.	6.
98267B	Model 360 8 Mbytes R/AM Board	2.	3.	6.	8.
98267C	Model 360 12 Mbytes F/AM Board	4.	6.	11.	14.

SPU Upgrades

Product No.	Description	Scheduled	Next Day	Priority	Priority Plus
98243B Opt. 002	Model 310 CPU Upgrade to Model 320	5. -2.	8. -4.	16. -9.	20. -12.
98244A Opt. 001 Opt. 002 Opt. 003 Opt. 116 Opt. 570	Model 330 CPU Upgrade to Model 350	8. -3. N/C N/C 8. 1.	12. -5. N/C N/C 11. 2.	21. -9. N/C N/C 18. 4.	27. -12. N/C N/C 23. 5.
98247A Opt. 108 Opt. 112 Opt. 116	Model 360 SPU Upgrade Kit	N/C 1. 2. 4.	N/C 2. 3. 7.	N/C 4. 6. 11.	N/C 5. 8. 14.
98247B	Model 350 CPU Upgrade to Model 370	N/C	N/C	N/C	N/C
98247C Opt. 001 Opt. 002 Opt. 003 Opt. 011 Opt. 116 Opt. 570	Model 360 CPU Upgrade to Model 370	4. -3. N/C N/C N/C 8. 1.	7. -5. N/C N/C N/C 11. 2.	12. -9. N/C N/C N/C 18. 4.	15. -12. N/C N/C N/C 23. 5.

Boot ROM/Processor Board Updates

Product No.	Description	Scheduled	Next Day	Priority	Priority Plus
98563-67001	Boot ROM for Models 310/320/330/350	N/A	N/A	N/A	N/A
98562-69013	Model 330 Processor Board Update	N/A	N/A	N/A	N/A
98562-69517	Model 350 Processor Board Update	N/A	N/A	N/A	N/A

DOS Coprocessor System

Product No.	Description	Scheduled	Next Day	Priority	Priority Plus
98286S	DOS Coprocessor System	N/C	N/C	N/C	N/C
98286T	DOS Coprocessor Memory Enhancement Kit	N/C	N/C	N/C	N/C
98286D	DOS Coprocessor Diskless Node Kit	N/C	N/C	N/C	N/C
9127A	360 Kbytes Single 5 1/4-inch Flexible Disk Drive	4.	7.	12.	N/A
D1387A	80287 Numeric Coprocessor	N/C	N/C	N/C	N/C

BASIC and Pascal Language Processor Systems*

Product No.	Description	Scheduled	Next Day	Priority	Priority Plus
82300C	BASIC Language Processor	N/C	N/C	N/C	N/C
82312A	Pascal Language Processor Board with Right-to-Execute	N/C	N/C	N/C	N/C
82303A	RAM Expansion Kit	N/C	N/C	N/C	N/C
82305A	RAM Expansion Board	N/C	N/C	N/C	N/C
82306A	GPIO Interface for Language Processor	N/C	N/C	N/C	N/C
50963A	SRM Interface for BASIC Language Processor	N/C	N/C	N/C	N/C

* N/C is for Vectra PC host; N/A for non-HP PCs.

VMEbus Connection

Product No.	Description	Scheduled	Next Day	Priority	Priority Plus
98577A	VMEbus Expander	6.	10.	18.	23.
98646A	HP 9000 VMEbus Adapter	N/C	N/C	N/C	N/C

Graphics Boards

Product No.	Description	Scheduled	Next Day	Priority	Priority Plus
98542A	Medium-resolution Monochrome Graphics Board	N/C	N/C	N/C	N/C
98543A	Medium-resolution 4-plane Color Graphics Board	N/C	N/C	N/C	N/C
98544B	High-resolution Monochrome Graphics Board	N/C	N/C	N/C	N/C
98546A	Display Compatibility Interface	N/C	N/C	N/C	N/C
98547A	High-resolution 6-plane Color Graphics Board	N/C	N/C	N/C	N/C
98548A	High-resolution, High-performance Monochrome Graphics Board	N/C	N/C	N/C	N/C
98549A	High-resolution, High-performance Color Graphics Board	N/C	N/C	N/C	N/C
98550A	High-resolution, High-performance Color Graphics Board	N/C	N/C	N/C	N/C

Monitors

Product No.	Description	Scheduled	Next Day	Priority	Priority Plus
35731A	12-inch Medium-resolution Monochrome Monitor	1.	2.	4.	5.
35731B	12-inch Medium-resolution Monochrome Monitor	1.	2.	4.	5.
35741A	12-inch Medium-resolution Color Monitor	1.	2.	4.	5.
35741B	12-inch Medium-resolution Color Monitor	1.	2.	4.	5.
98751A	19-inch High-resolution Color Monitor	13.	20.	36.	45.
98752A	19-inch High-resolution Color Monitor	12.	19.	33.	42.
98785A	16-inch High-resolution Color Monitor	3.	5.	10.	13.
98786A	17-inch High-resolution Monochrome Monitor	6.	10.	18.	23.
98788A	19-inch High-resolution Monochrome Monitor	6.	10.	18.	23.
98789A	16-inch High-resolution Color Monitor	3.	5.	10.	17.
98787B	Tilt/Swivel	N/C	N/C	N/C	N/C

Graphics Accessories

Product No.	Description	Scheduled	Next Day	Priority	Priority Plus
98556A	2D Integer-based Graphics Accelerator	3.	4.	7.	9.
98700A	High-resolution Display Controller	10.	15.	28.	35.
98701A	4-plane Graphic Memory Upgrade for 98700A	N/C	N/C	N/C	N/C
98710A	Graphics Accelerator for the 98700A	8.	12.	22.	28.
98287A	Series 300 Interface Card for the 98700A	N/C	N/C	N/C	N/C
98720A	SRX 3D Display Controller	11.	17.	32.	40.
Opt. 721		11.	17.	52.	40.
Opt. 722		4.	7.	12.	15.
Opt. 723		3.	4.	7.	9.
98721A	3D Solid Rendering Graphics Accelerator	11.	17.	32.	40.
98722A	Frame Buffer Board	4.	7.	12.	15.
98723A	Additional Power Supply	3.	4.	7.	9.
98724A	16-bit Display Controller Interface to 98720A	N/A	N/C	N/C	N/C
98725A	16-bit Display Controller Interface to 98720A	N/C	N/C	N/C	N/C
98726A	32-bit Display Controller Interface to 98730A	1.	1.	2.	2.
98730A	Turbo SRX 3D Display Controller	35.	51.	92.	115.
Opt. 016		4.	7.	12.	15.
Opt. 024		9.	14.	24.	30.
Opt. 060		31.	49.	89.	112.
Opt. 123		-3.	-4.	-7.	-9.
98732A	Three 3D Solid Rendering Graphics Accelerators and full 16-bit Z-buffer	31.	49.	89.	112.

HP-HIL Input Devices

Product No.	Description	Scheduled	Next Day	Priority	Priority Plus
45911A	HP-HIL Digitizer	2.	3.	5.	5.
46021A	HP-HIL Keyboard	N/C	N/C	N/C	N/C
98203C	HP-HIL Keyboard with Rotary Knob	N/C	N/C	N/A	N/A
46060A	HP-HIL 2-button Mouse	N/C	N/C	N/C	N/C
46060B	HP-HIL 3-button Mouse	N/C	N/C	N/C	N/C
46080A	2.4m HP-HIL Extension	N/A	N/A	N/A	N/A
46081A	2.4m HP-HIL Extension with audio	N/C	N/C	N/C	N/C
46082A	15m HP-HIL Remote Extension with audio and RGB video	N/C	N/C	N/C	N/C
Opt. 015		N/C	N/C	N/C	N/C
Opt. 343		N/C	N/C	N/C	N/C
46082B	30m Remote Extension with audio and RGB video	N/C	N/C	N/C	N/C
46083A	HP-HIL Knob	N/C	N/C	N/C	N/C
46084A	HP-HIL ID Module	N/C	N/C	N/C	N/C
46085A	HP-HIL Control Dial Module	N/C	N/C	N/C	N/C
46086A	HP-HIL 32-button Box	N/C	N/C	N/C	N/C
46087B	HP-HIL Digitizer, ANSI A/ISO A4-size	N/C	N/C	N/C	N/C
46088B	HP-HIL Digitizer, ANSI B/ISO A3-size	N/C	N/C	N/C	N/C
46084A	Quadrature Port	N/C	N/C	N/C	N/C
46095A	3-button Mouse	N/C	N/C	N/C	N/A
35723A	HP-HIL Touchscreen bezel	N/C	N/C	N/C	N/C
92916A	HP-HIL Bar Code Reader	1.	2.	4.	4.

Interface Products for Series 300 (DIO)

Product No.	Description	Scheduled	Next Day	Priority	Priority Plus
36593A	HP-UX Gateway/SNA Link for Series 300 Gateway System	N/C	N/C	N/C	N/C
Opt. 003		N/C	N/C	N/C	N/C
Opt. 004		N/C	N/C	N/C	N/C
50955A	3278 Display Station Emulator	N/C	N/C	N/C	N/A
50962A	SRM Coax Interface	N/C	N/C	N/C	N/A
98253A	EPROM Programmer Interface	N/C	N/C	N/C	N/A
98255A	EPROM Card	N/C	N/C	N/C	N/A
98256A	256 Kbytes RAM Card	N/C	N/C	N/C	N/C
98259A	128 Kbytes Magnetic Bubble Memory Card	N/C	N/C	N/C	N/C
98620B	Two-channel DMA Controller Card	N/C	N/C	N/C	N/C
98622A	16-bit GPIO Interface Card	N/C	N/C	N/C	N/A
Opt. 001		N/C	N/C	N/C	N/A
Opt. 002		N/C	N/C	N/C	N/A
Opt. 003		N/C	N/C	N/C	N/A
Opt. 004		N/C	N/C	N/C	N/A
98623A	43-line BCD Interface Card	N/C	N/C	N/C	N/C
Opt. 001		N/C	N/C	N/C	N/A
98624A	HP-IB Interface, standard speed	N/C	N/C	N/C	N/C
98625B	HP-IB Disk Interface, high speed (for Model 310 and 320 only)	N/C	N/C	N/C	N/C
98626A	HP-IB Interface, high speed (for Models 330 and 350 only)	N/A	N/C	N/C	N/C
98626A	RS-232C (Serial) Interface	N/C	N/C	N/C	N/C
Opt. 001		N/C	N/C	N/C	N/A
Opt. 002		N/C	N/C	N/C	N/A
98627A	RGB Color Video Output Interface	N/C	N/C	N/C	N/A
98628A	Datcomm Interface, RS-423 and RS-232C	N/C	N/C	N/C	N/C
Opt. 001		N/C	N/C	N/C	N/A
Opt. 002		N/C	N/C	N/C	N/A
Opt. 003		N/C	N/C	N/C	N/A
Opt. 005		N/C	N/C	N/C	N/A
Opt. 099		N/C	N/C	N/C	N/A
Opt. 100		N/C	N/C	N/C	N/A
98633A	6944A Multiprogrammer Interface	N/A	N/A	N/A	N/C
98635A	Floating Point Math Card for Model 310	N/C	N/C	N/C	N/A
98640A	7-channel Analog-to-Digital Interface	N/C	N/C	N/C	N/A
98641A	RJE 2780/3780 Interface	N/C	N/C	N/C	N/A
98642A	4-port RS-232C Multiplexer	N/C	N/C	N/C	N/C
Opt. 001		N/C	N/C	N/C	N/A
98643A	LAN/300 Link with Thin MAU	N/C	N/C	N/C	N/C
98644A	RS-232C Serial Interface	N/C	N/C	N/C	N/A
98646A	VMEbus Adapter	N/C	N/C	N/C	N/C
98658A	DIO-I SCSI Host Adapter	N/C	N/C	N/C	N/C

Networking Products

LAN Hardware

Product No.	Description	Scheduled	Next Day	Priority	Priority Plus
98643A Opt. 241	LAN/300 Link	N/C N/A	N/C N/A	N/C N/A	N/C N/A
28641A	Thin MAU	N/A	2.	3.	4.
30241A	Backbone LAN MAU and Tap	4.	6.	9.	12.
92254A	Backbone LAN AUI Cable	N/A	N/A	N/A	N/C
92255C	LAN AUI Connector Kit	N/A	N/A	N/A	N/A
92253B	Backbone LAN Coax Cable	N/A	N/A	N/A	N/C
92223A	Repeater Kit	N/A	24.	38.	63.
28645A	ThinLAN Hub	6.	10.	18.	18.

Shared Resource Management (SRM)

SRM Servers

Product No.	Description	Scheduled	Next Day	Priority	Priority Plus
50960A	SRM Server	8.	11.	20.	25.
98619A Opt. 655	SRM Operating System	N/C N/C	N/C N/C	N/C N/C	N/A N/A

SRM Workstation Hardware

Product No.	Description	Scheduled	Next Day	Priority	Priority Plus
50962A	SRM Coax Interface	N/C	N/C	N/C	N/A
50963A	SRM Interface for Vectra	N/C	N/C	N/C	N/C
50961U Opt. 200	SRM Coax Adapter Upgrade	N/C N/C	N/C N/C	N/C N/C	N/C N/C

Peripherals, Media, and Accessories

Microfloppy and Hard Disk Storage (270 Kbytes - 40 Mbytes)

Product No.	Description	Scheduled	Next Day	Priority	Priority Plus
9127A	360 Kbyte, Single 5 1/4-inch Floppy Disk Drive	4.	7.	12.	15.
9122C Opt. 001	2 Mbyte (1.42 Mbytes formatted) Disk Drive	4. -1.	7. -2.	11. -4.	14. -5.

SCSI Hard Disk Storage (107 Mbytes to 323 Mbytes)

Product No.	Description	Scheduled	Next Day	Priority	Priority Plus
7957S	107 Mbyte Fixed Disk Drive	12.	18.	23.	29.
7958S	161 Mbyte Fixed Disk Drive	13.	20.	25.	32.
7959S	323 Mbyte Fixed Disk Drive	14.	22.	28.	35.
C2212A	Model 330S Mass Storage System	N/A	13.	16.	20.
C2213A	Model 660S Mass Storage System	N/A	19.	24.	30.
C2290A	Upgrade Kit	N/A	10.	13.	16.
C2291A	Upgrade Kit	N/A	15.	19.	23.

HP-IB Hard Disk Storage (41 Mbytes to 1.34 Mbytes)

Product No.	Description	Scheduled	Next Day	Priority	Priority Plus
7907A	41 Mbyte Fixed/Removable Disk Drive	37.	48.	101.	127.
7935H	404 Mbyte Removable Media Disk Drive	N/A	N/A	137.	132.
7935HR	Remarketed 404 Mbytes Removable Media Disk Drive	N/A	N/A	137.	172.
7937H	571 Mbyte Fixed Disk Drive	N/A	N/A	N53.	67.
7957B	81 Mbyte Fixed Disk Drive	12.	18.	23.	29.
7958B	152 Mbyte Fixed Disk Drive	13.	20.	25.	32.
7959B	304 Mbyte Fixed Disk Drive	14.	22.	28.	35.
7962B	152 Mbyte Fixed Disk Drive	13.	20.	25.	32.
7963B	304 Mbyte Fixed Disk Drive	14.	22.	28.	35.
97962B		13.	20.	25.	32.
97963B	304 Mbyte Upgrade Kit	11.	16.	26.	35.
C2200A	335 Mbytes HP-IB Fixed Disk	N/A	13.	16.	20.
C2201A	670 Mbyte FL Fixed Disk	N/A	19.	24.	30.
C2203A	670 Mbyte HP-IB Fixed Disk	N/A	19.	24.	30.
C2204A	1.34 Gbyte FL Fixed Disk	N/A	29.	36.	45.
9262B	152 Mbyte Removable Winchester	13.	19.	40.	50.
9263B	304 Mbyte Removable Winchester	14.	20.	42.	53.
97903N	304 Mbyte Removable Winchester	13.	20.	36.	45.

Back-up Tape Drives

Product No.	Description	Scheduled	Next Day	Priority	Priority Plus
35401A	1/4-inch Cartridge Autochanger	14.	24.	43.	54.
9144A	1/4-inch Cartridge Tape Drive (67 Mbytes per 16-track)	8.	11.	20.	25.
9145A	1/4-inch Cartridge Tape Drive (133 Mbytes per 32-track)				
7979A	1/2-inch 1600 cpi tape drive	N/A	37.	46.	58.
7980A	1/2-inch 6250/1600 cpi tape drive	N/A	37.	46.	58.
7980XC	1/2-inch 1600/6250/6250XC cpi tape drive	N/A	37.	46.	58.

Optical Disk Products

Product No.	Description	Scheduled	Next Day	Priority	Priority Plus
C1701A	Rewritable Optical Disk	14.	22.	39.	49.
C1700A	Rewritable Optical Disk Autochanger	N/A	104.	130.	163.

Printers

Character Printers

Product No.	Description	Scheduled	Next Day	Priority	Priority Plus
2225D	150 cps ThinkJet printer	3.	4.	7.	9.
2235D	RuggedWriter 480 printer	8.	12.	22.	28.
2276A	DeskJet printer	3.	5.	10.	13.
2277A	DeskJet PLUS printer	3.	4.	7.	9.
2225A	150 cps Thinkjet printer	3.	4.	7.	9.
2227A	160 cps QuietJet Plus printer	3.	4.	7.	9.
2227B	160 cps QuietJet Plus printer	3.	4.	7.	9.
2228A	160 cps QuietJet printer	3.	4.	7.	9.
2235B	RuggedWriter 480 printer	8.	12.	22.	28.
2934A	200 cps Dot Matrix Impact Printer	11.	16.	30.	38.
Opt. 046		N/A	N/A	N/A	0.
3630A	HP PaintJet Color Graphics Printer	3.	5.	10.	13.
Opt. 001		N/C	N/C	N/C	N/C
Opt. 002		N/C	N/C	N/C	N/C
Opt. 004		N/C	N/C	N/C	N/C

*Key: cps = characters per second

Line Printers

Product No.	Description	Scheduled	Next Day	Priority	Priority Plus
2562C	300/420 lpm Impact Table top Printer	N/A	45.	56.	70.
2563B	300 lpm* Impact Printer	N/A	N/A	62.	78.
2564B	600 lpm Impact Printer	N/A	N/A	99.	124.
2566B	900 lpm Impact Printer	N/A	N/A	230.	288.
2567B	1200 lpm Impact Printer	N/A	N/A	245.	307.

*Key: lpm = lines per minute

Page Printers

Product No.	Description	Scheduled	Next Day	Priority	Priority Plus
33440A	LaserJet Series II 8 ppm* printer	21.	30.	54.	68.
2684A	LaserJet 2000 20 ppm printer†	N/A	318.	398.	498.
2684P	LaserJet 2000 with 2000-sheet paper deck	N/A	344.	429.	537.
2684D	LaserJet 2000 with 2000-sheet paper deck and duplexer	N/A	382.	477.	597.
33471A	LaserJet Series II	7.	10.	18.	23.
33447A	LaserJet IID	21.	30.	54.	68.

*Key: ppm = pages per minute

† Interface not included

Terminals

Product No.	Description	Scheduled	Next Day	Priority	Priority Plus
HP 700/94 Block-Mode Terminal					
C1002A		3.	4.	7.	7.
C1002G		3.	4.	7.	7.
C1002W		3.	4.	7.	7.
HP 700/92 Block-Mode Display Terminal					
C1001A		3.	4.	7.	9.
C1001G		3.	4.	7.	9.
C1001W		3.	4.	7.	9.
HP 700/22 ANSI DEC VT 220 Compatible Terminal					
C1004A		3.	4.	7.	9.
C1004G		3.	4.	7.	9.
C1004W		3.	4.	7.	9.
HP 700/41 Entry-level ASCII Terminal					
C1003A		3.	4.	7.	9.
C1003G		3.	4.	7.	9.
HP 700/43 Fully-featured ASCII Terminal					
C1006A		3.	4.	7.	9.
C1006G		3.	4.	7.	9.
C1006W		3.	4.	7.	9.
2393A	12-inch Graphics Display Terminal	4.	6.	11.	14.
2397A	Color Graphics Terminal	5.	7.	14.	18.

Graphics Devices

Product No.	Description	Scheduled	Next Day	Priority	Priority Plus
3630A	HP PaintJet Color Graphics Printer	3.	5.	10.	13.
7440A	ColorPro 8-pen Graphics Plotter	3.	4.	9.	12.
7475A	A . . . B-size, 6-Pen Plotter	5.	8.	14.	18.
7550A	A . . . B-size, 8-Pen Sheet-Feed Plotter	14.	22.	39.	49.
7570A	DraftPro C . . . D size, 8-Pen Plotter	8.	11.	18.	23.
17570A	Optional HP-IB Cartridge	N/C	N/C	N/C	N/A
7575A	DraftPro DXL A . . . D-size, 8-pen plotter	8.	11.	18.	N/A
7576A	DraftPro EXL A . . . E-size, 8-pen plotter	8.	11.	18.	N/A
7595A	DraftMaster I A . . . E size, 8-Pen Plotter	14.	22.	39.	N/A
7596A	DraftMaster IIA	14.	22.	39.	49.
17520A	DraftMaster Upgrade Kit	N/C	N/C	N/C	N/A
C1600A	HP 7600 Series Plotter Model 240D, D-size Monochrome Electrostatic Plotter	70.	109.	197.	247.
C1601A	HP 7600 Series Plotter Model 240E, E-size Monochrome Electrostatic Plotter	87.	135.	244.	305.
C1602A	HP PaintJet XL Color	4.	6.	12.	15.

Miscellaneous Peripherals

Product No.	Description	Scheduled	Next Day	Priority	Priority Plus
2334A	x.25 Multiplexer	N/A	11.	18.	22.
26075A	HP-IB Switch	N/A	N/A	N/A	6.

Accessories

Product No.	Description	Scheduled	Next Day	Priority	Priority Plus
10833A through 10834A	Cables	N/A	N/A	N/A	N/C
92211R	HP Design Plus Mobile Mini-rack	N/A	N/A	N/A	N/C
98290A	3-meter RGB Cable	N/A	N/C	N/C	N/C
98787B	Tilt and Swivel Base	N/C	N/C	N/C	N/C
19511A	Stack Cabinets	N/A	N/A	N/A	N/C
98567A	EIA 19-inch Rack Mounting Kit	N/A	N/A	N/A	N/A
98567B	EIA 19-inch Rack Mounting Kit	N/A	N/A	N/A	N/A
98569A	EIA 19-inch Rack Mounting Kit	N/A	N/A	N/A	N/A

HP 9000 Software Support Program*

Hewlett-Packard's software support services are designed to provide you with the level of support that best meets your individual needs, even as your needs change. Furthermore, by offering software support on a contractual rather than on a time and materials basis you gain many benefits.

HP TeamLine Software Support

HP TeamLine software support service for HP 9000 computer systems provides an HP support consultant to help you maximize the effectiveness of your people and improve the productivity of your system. Your HP consultant understands your business goals and knows your operating environment and applications. Hewlett-Packard works directly with you and your people so you receive assistance tailored to your specific needs. Your consultant acts as your personal manager of Hewlett-Packard support resources to ensure you have the help you need, when you need it.

What HP TeamLine Includes

- Account-assigned support consultant
- Personalized technical assistance and services
- Problem-solving and product-usage assistance
- Proactive support planning
- Right-to-use software updates
- Added services for HP applications software

HP ResponseLine Software Support

HP ResponseLine software support service for HP 9000 computer systems provides comprehensive software maintenance. You receive unlimited telephone assistance to resolve software problems. You also receive access to HP electronic support information services. HP Response Centers bring together the worldwide resources of Hewlett-Packard into a single network for software maintenance.

What HP ResponseLine Includes

- Phone-in problem-solving and product-usage assistance
- Electronic access to support and product information through HP SupportLine
- Well-defined escalation management procedures for critical software problems
- Remote software diagnosis through HP's remote support
- Right-to-use software enhancements

HP BasicLine Software Support

Ongoing success with computer systems requires up-to-date system information and software. HP BasicLine software support service for HP 9000 computer systems delivers current, comprehensive support information by providing electronic access to support information and the right-to-use updates to your HP software. If you have questions or problems with your software, you can quickly research them in the electronic databases. The combination of valuable support data and powerful search mechanisms adds up to increased productivity in

support and developing your applications. As another plus, you can use the electronic databases to stay current on the latest HP products, support programs, and training classes.

What HP BasicLine Includes

- Right-to-use software updates for licensed software products
- On-line access to comprehensive problem-solving information
- On-line access to training schedules, product and support news

HP Operating System Update Materials

Provides media and manuals for operating system updates. Includes only those manuals shipped with product license and media. Also provides one copy of Software Status Bulletin and Communicator as they become available.

Notes:

1. Series 300 operating system materials shipped against 98594L will not include the Programming Environment or Advanced Usage Documentation Updates — must order 98794A+Q00 or 92537A+Q00 to receive updates on these documents.

2. Series 800 operating system materials will not include Advanced Usage Set and Programming Set Updates — must order 92537A+Q00 and 92539A+Q00 to receive updates on these documents.

HP Software Product Update Materials

Provides media and manuals for subsystem/application software products.

* For HP 9000 Software Support Service required for GSA contracts, contact your HP sales representative.

HP 9000	H2010A+T00 TEAM LINE	H2011A+H00 RESPONSE LINE	H2012A+L00 BASIC LINE	H2029A+L00 HP VAB BASIC LINE
Processor/User				
#0JC 825/832/835 32-64, 645	495.	250.	100.	100.
#0JD 825/832/835/840 (16)	375.	190.	80.	80.
#0KQ 350-375 (PE+AXE)	315.	135.	35.	35.
#0JF 310-345 (PE+AXE)	275.	110.	30.	30.
#0JG 300(AXE)/Diskless	110.	45.	20.	20.
#0JH 200/300/500 LANG	100.	55.	17.	17.
#0JX HP 9000 Run-Only	17.	17.	17.	17.
Applications				
#0FB Integrate PC Support	220.	170.	N/A	N/A
#0F9 ME Support	130.	80.	N/A	N/A
#0FC EE (A) Support	140.	80.	N/A	N/A
#0FD EE (B) Support	430.	220.	N/A	N/A
#0FE HP 64000 Support	130.	80	N/A	N/A
#0FF Fac Auto Support	360.	200.	N/A	N/A
#0FL Semiconductor Parametric Test	165.	90.	N/A	N/A
#0FM Semiconductor Functional Test	260.	110.	N/A	N/A
#0L6 Case Tools Support	165.	100.	N/A	N/A
#0FR Dynamic Signal Analyzer	N/A	80.	N/A	N/A
#0LK Open View Development Support	360.	200.	N/A	N/A
Additional Service				
#0FH Addl. Tech Review	75.	N/A	N/A	N/A
#0FB Addl. RC Caller	75.	75.	N/A	N/A
#0FJ SW Update Install	75.	75.	N/A	N/A
#0FK Off-Hours Update	105.	105.	N/A	N/A

MATERIALS HP 9000	H2013A+S00 HP OS UPDATE	H2014A+S00 HP S/W MATERIAL	H2033A+S00 HP VAB OS UPDATES	H2034A+S00 HP VAB S/W UPDATE MATERIAL
Processor/User				
#0JC 825/835 32-64	60.	15.	60.	18.
#0JD 825/835/840 1-16	50.	15.	80.	25.
#0KQ 350-375 (PE+AXE)	50.	15.	50.	15.
#0JF 310-345 (PE+AXE)	50.	15.	50.	15.
#0JG 300 (AXE/Diskless)	15.	15.	15.	15.
#0JH 200/300/500 Lang	15.	15.	15.	15.
#0JX HP 9000 Run-Only	0.	15.	15.	15.
Media				
#AA0 1/4" Cartridge Tape	0.	N/A	0.	N/A
#AA1 1600 BPI Tape	0.	N/A	0.	N/A
#AA6 5.25" Disk	0.	N/A	0.	N/A
#AA7 3.5" SS Disk	0.	N/A	0.	N/A
#AA8 3.5" DS Disk	0.	N/A	0.	N/A

Other HP 9000 Support Services

(all prices are monthly)

Software Notification Service

Product/Opt. No.	Description	Price
	HP LaserROM Software:	
50725A	HP LaserROM Single-User Software (PC-based)	100.
#003	HP-UX	
50743A	HP LaserROM/LAN Multi-User Software (PC-based)	500.
#013	HP-UX	
B1671A	HP LaserROM/UX Multi-User Software (HP 9000-based)	
#0AL	8 User License	800.
#0GP	Additional 4 User License	400.
#0B1	Additional User Guide	20.
	HP LaserROM Subscription Services:	
50726A+R00	HP LaserROM Subscription Services	
#003	HP-UX Single-User	145.
#013	HP-UX Multi-User	145.
	CD-ROM Drives:	
50720A	PC CD-ROM Drive	1,095.
C1707A	HP 9000 CD-ROM Drive	1,995

Manual Update Service

Product/Opt. No.	Description	Price
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Manual Update Service provides one copy of new software manuals as they are updated. Includes those

manuals shipped with the base product number.

Product/Opt. No.	Description	Price
Series 300		
98594L+Q00	Manual Update Service (Does not include PE documentation — must order 98794A+Q00)	HP-UX Bundle 10.
98515L+Q00	Manual Update Service	2-user AXE 10.
98595L+Q00	Manual Update Service	16-user AXE 10.
98596L+Q00	Manual Update Service	32-user AXE 10.
98597L+Q00	Manual Update Service	Prog. Env. 10.
98616A+Q00	Manual Update Service	RAM BASIC 5.
98617A+Q00	Manual Update Service	RAM PASCAL 5.
98794A+Q00	Manual Update Service	HP-UX Prog. Doc. 5.
92537A+Q00	Manual Update Service	HP-UX Advanced Usage Set 5.
Series 800		
92536A+Q00	Manual Update Service	General Usage Set 5.
92536A+Q00	Manual Update Service	System Administration Set 10.
92537A+Q00	Manual Update Service	Advanced Usage Set 5.
92539A+Q00	Manual Update Service	Programming Set 10.

Manual Update Service for Subsystem/Applications

To order additional documentation for Subsystems and Applications, order the

software product number PLUS the Support Prefix "+Q00." Each

subsystem/application Manual Update is priced at \$5.

Product/Opt. No.	Description	Price
XXXXX+Q00	Manual Update Service	5.

General Consulting Services

Field District (ID44)	Regular Hours
Hourly Consulting - BASIC	51413A \$100/Hr.
Standard	51414A \$160/Hr.
Specialist	51415A \$215/Hr.

Project Center (ID46)	Regular Hours	After Hours Weekday	Weekends or Holidays
Product Support Representative	35135G \$100/Hr.	35135H \$150/Hr.	35135K \$200/Hr.
Application Engineer	35135C \$150/Hr.	35135I \$225/Hr.	35135L \$300/Hr.
Specialist	35135D \$200/Hr.	35135J \$300/Hr.	35135M \$400/Hr.

All Consulting Services must attach 51427A with appropriate option for zone charges and all Project Services must attach 35135T with appropriate option for travel charges.

101 Zone 1 Travel Charge	\$140.
102 Zone 2 Travel Charge	240.
103 Zone 3 Travel Charge	320.
104 Zone 4 Travel Charge	505.
105 Beyond Zone 4 Travel Charge	Quote

Europe		
51416A	Daily Consulting — Product Support Representative	\$800
51417A	Daily Consulting	1,280.
51418A	Daily Consulting — Specialist	1,720.

Packaged Consulting

Product	Description	Price
35630A + 42A	VISTA + 3565S Install (1st mainframe)	\$1,000.
+42B	Each Additional Mainframe	175.
64710S + 42A	TEAMWORK Installation	700.
64801S + 42A	64000 UX Installation	780.
74210A + 42A	EDS Installation	960.
74400A + 42A	PCDS Installation	960.
98366A + 42A	ME 5/10/30 Installation	525.
98595A + 42A	AXE MU Installation	960.
98597B + 42A	PE MU Installation	1,250

Customer Education

NOTE: The product numbers listed below are for courses taught at HP. To get the on-site product number, replace the suffix on the "at HP" product number with and X, unless

noted otherwise. For example, 31110B becomes 31110X. All on-site quotations must be coordinated and approved through your nearest HP Education Center. On-site

prices are listed on the CPL as "Quote." Consult the Education Course Catalog (5954-0142) and the Education Course Schedule (5954-0121) for additional course information.

HP-UX Application User Education (Application Users, Managers and Office Users)

Product	Description	At HP	Length
50722A	HP-UX System Administration for Application Users	\$780.	3
51489B	HP-UX Basics for Application Users	520.	2
H2126A	AdvanceMail Trainer's Pack	1,250.	3
H2127A	AdvanceMail User Training Course	300.	1
H2127A	AdvanceMail User Training On-Site	Quote	1

HP-UX Fundamentals Education

Product	Description	At HP	Length
51432A	HP-UX Fundamentals for General Users	\$1,300.	5
51434B	Fundamentals of HP-UX	1300.	5

HP-UX System Administration Education

Product	Description	At HP	Length
51436B	HP-UX System Administration for the HP 9000 Series 300	\$1,350.	5
51482B	HP-UX System Administration for the HP 9000 Series 800	1,525.	5
B1600V	Open Mail Administration	780	3

HP-UX Programming Language Education

Product	Description	At HP	Length
31112A	Introduction to Pascal	\$1,300.	5
31113A	HP Pascal for Adv. and System Programming	1,350.	5
31124A	Introduction to Ada/300 DS	1,300.	5
35130B	Programming in C Language	1,300.	5
50697A	Programming in FORTRAN 77 Tutorial*	500.	N/A
50698A	Programming in FORTRAN 77	1,300.	5
51433A	HP-UX Shell Programming for General Users	1,150.	
51434A	HP-UX Fundamentals for Programmers	1,150.	
98501B	Introduction to Workstation BASIC	1,300.	5
98510D	Series 200/300 BASIC Operating and Adv. Prog.	1,300.	5
98511C	Series 200/300 Pascal Operating and Adv. Prog.	1,300.	5
98880A	HP BASIC/UX Programming and Operating	780.	3

* Designates a self-paced training tutorial for completion at customer site. Prices are per copy. No equipment or instructor supervision is provided by HP. Many self-paced tutorials are available from DMK by calling 1-800-538-8787.

HP-UX Programming Toolset Education

Product	Description	At HP	Length
51435A	HP-UX Text Editing Tools (vi, ed, sed, awk)	1,350.	5
51438A	SCCS and make	520.	2
51439A	Advanced Editing with vi	360.	1
51440A	Document Preparation	975.	3

HP-UX Database and 4GL Education

Product	Description	At HP	Length
36217AN	HP SQL for MPE XL and HP-UX	\$1,525.	5
36217AP	HP IMAGE/HP-UX	1,525.	5
79727-90000	*ALLBASE/QUERY Tutorial: HP 9000 Series 300	49.	N/A
92440-64003	*HP ALLBASE/4GL Tutorial	N/A	N/A
92572-90002	*HP Real-Time Database Self-paced Tutorial	112.	N/A

HP-UX Programming Education

Product	Description	At HP	Length
50710A	Programming with HP-UX System Calls	1,525.	5
50756A	X Window System Programming: Xlib	1,525.	5
51433A	HP-UX Shell Programming for General Users	1,300.	5

HP 9000 Network Education

Product	Description	At HP	Length
22861B	ARPA/Berkeley Services: Series 300 and 800	\$650.	2
22862A	Administration of NFS and Yellow Pages	600.	2
35051B	Introduction to Data Communications	1,300.	5
98865A	HP-UX Diskless Cluster Administration	650.	2

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The warranty covering a specific system is determined by the HP WARRANTY AND

INSTALLATION TERMS in effect at the time of purchase. These terms are specified in HP Pub. No. 5954-1617(D) for the United States and in similar documents for other countries.

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