

HP 9000 Computing Systems

Price Guide

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The HP 9000 Family

The HP 9000 family of computing systems consists of a variety of workstations, superworkstations, multiuser systems, 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. For example, for a multiuser system, a system console, disk drive, and tape drive must be added to the pre-configured system to make a minimum complete system.

NOTE: For complete configuration information, please refer to the following publications: HP 9000 Workstations Configuration Guide, Pub. No. 5954-8543; HP 9000 Series 800 Configuration Guide, Pub. No. 5954-8588; and the HP-UX Operating System Technical Supplement, Pub. No. 5952-6341.



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Series 300 System Processing Units (SPUs)

Model 310 System Processing Unit Standard Features

Product/Opt. No.	Description	Price
98561A	Model 310 SPU ● 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 ● 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: — 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 ● 98561B SPU plus: — 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 System Processing Unit Standard Features

Product/Opt. No.	Description	Price
98562A	Model 330 SPU ● 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 — 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 <i>Note: Two out of four DIO-II slots available for accessory cards.</i>	\$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 ordered concurrently.

Model 332 System Processing Unit Standard Features

Product/Opt. No.	Description	Price
98572A	Model 332 SPU ● 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. 102 and Opt. 104 may not be ordered concurrently. May only order one option 102 or 104.

Model 350 System Processing Unit Standard Features

Product/Opt. No.	Description	Price
98562B	Model 350 SPU ● 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: — 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.

Model 360 System Processing Unit Standard Features

Product/Opt. No.	Description	Price
98579A	Model 360 SPU ● 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 — 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.
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. 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. 010 and Opt. 011 cannot be ordered concurrently.

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

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

Model 370 System Processing Unit Standard Features

Product/Opt. No.	Description	Price
98579B	Model 370 SPU ● MC68030 Processor, 33 MHz ● MC68882 Floating Point Coprocessor, 33 MHz ● 8 Mbytes parity-checking RAM, expanding 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 — IEEE-488 HP-IB Interface — RS-232C serial interface — Audio interface — IEEE 802.3 / Ethernet LAN 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.	\$22,550.
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 Mbytes 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.

* 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
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.
98235A	AUI LAN Upgrade. For Model 340 only.	200.
98237A	ThinLAN Upgrade. For Model 340 only.	200.
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), or 98579A/B SPU (360), or 98572A Opt. 004 SPU (332).	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, or 98579A/B SPU (360/370).	400.
98248A Opt. 005	Floating Point Accelerator for Model 350. Includes 3-slot system bus connector. Substitute 4-slot system bus connector (for use with Model 350 with two RAM controllers previously installed)	6,040. N/C
98248B Opt. 0H0 Opt. 004 Opt. 005	Floating Point Accelerator for Models 330, 360, and 370. Return credit for 98248A FPA. Delete 3-slot system bus connector (for use with Models 330 or 360) Substitute 4-slot system bus connector (for use with Model 370 with two RAM controllers previously installed)	3,605. -1,175. -150. N/C
98257A	1 Mbyte RAM Card (DIO). For Models 310 and 320 only.	1,770.
98568A Opt. 132	Direct Connect 8-slot I/O Expander. Attaches directly to a Series 300 SPU (310, 320, 332). Required option for first 98568A attached to Model 330, 350, 360, or 370. Connect 98568A directly to the motherboard, using no system slots. (Option not required for second 98568A).	2,025. 440.
98570A Opt. 004	Direct Connect DIO II Expander. Adds two DIO II slots and four DIO slots to Models 330, 350, 360, or 370 SPU's only. Delete 4-slot DIO backplane for a total of four DIO II system slots.	2,455. -400.
98258A Opt. 004 Opt. 005	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. Delete 3-slot system bus connector (for use with Model 330). Substitute 4-slot system bus connector (for use with Model 350 or 370 with two RAM controllers or FPA previously installed)	6,660. -250. 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.
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.
98264A Opt. 004 Opt. 005	8 Mbytes Error-Checking and Correcting (ECC) RAM. Occupies one system slot. For Models 350 and 370 only. Includes 3-slot system bus connector. Delete 3-slot system bus connector. Substitute 4-slot system bus connector (for use with Models 350 and 370 with two RAM controllers or FPA previously installed)	13,350. -250. N/C
98264B Opt. 004 Opt. 005	16 Mbytes Error-Checking and Correcting RAM. Occupies one system slot. Includes 3-slot system bus connector. For Models 350 and 370. Delete 3-slot system bus connector. Substitute 4-slot system bus connector (for use with Models 350 and 370 with two RAM controllers or FPA previously installed)	20,850. -250. N/C
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.	1,135.
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.
98284A	MC6882 Floating point co-processor field installable upgrade kit for Model 332.	500.
9888A	16-slot DIO Expander. Maximum of two allowed in system. Uses one DIO interface slot.	4,280.

Series 800 Multiuser Computer Systems

Product No./ Option No.	Description	Price
A1071A	Model 815S 16-User Integrated System Bundle including: System Processing Unit including: HP-PA CPU Hardware Documentation 8 MByte Error Correcting Memory 2 serial ports 12 slot box (7 slots available) • HP-UX 16-User License and General Usage Documentation • HP-IB Interface and cables • 16 additional serial ports (2 8-channel serial multiplexers) • 304 MByte Disk • 67 MByte 1/4" Tape Drive • Battery back-up unit • Customer Convenience Kit including: cable for system console, including: pre-installed I/O and memory boards, HP-UX pre-configured and pre-installed on disk, single package shipment, power-up documentation • Design Plus Cabinet	\$29,500.
Opt. 002	Additional 8 MByte Error Correcting Memory	6,800.
Opt. 009	Replace disk with 304 Mbyte Expandable Disk (7963B)	725.
Opt. 004	Replace Tape Drive with 133 MByte Tape Drive (9145A)	1,240.
Opt. 012	Add LANLink (2 slots), ARPA and NFS Services	3,000.
Opt. 020	HP-UX on Cartridge Tape with System Admin. documentation	800.
Opt. 828	Add Floating Point Coprocessor	2,500.
A1410A	Model 815S System Processing Unit • HP-PA CPU • Hardware Documentation • 8 MByte Error Correcting Memory • 2 serial ports • 12 slot box (11 slots available) • HP-UX 16-User License and General Usage Documentation	14,900.
Opt. 828	Add Floating Point Coprocessor	3,000.
A1004A	Model 825S Multiuser Computer System. SPU consisting of: • System processor • Floating point coprocessor • Integrated cabinet, power supply, Channel I/O Bus • 8 Mbytes Error-Checking and Correcting (ECC) RAM • 6-channel Multiplexer • HP-IB (IEEE 488) Interface • 16-user HP-UX license, media and full documentation set. Must order either Opt. AA0 or AA1 below.	\$25,500.
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. 001	Add A1009A 2 Mbyte ECC RAM board	3,500.
Opt. 002	Add A1010A 8 Mbyte ECC RAM board	8,000.
Opt. 003	Add A1013A Expander and Channel I/O Adapter	14,000.
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 two A1037A 16 Mbyte ECC RAM boards for A1010A 8 Mbyte ECC RAM board. (Total system RAM = 32 Mb)	18,000.
Opt. 0E1	Add A1014A powerfail battery backup system	4,500.
Opt. 0HJ†	Return of 9020A/B SPU	-7,100.
Opt. 0HK†	Return of 9020C SPU	-10,975.
Opt. 0HL†	Return of 9030A SPU	-4,040.
Opt. 0HM†	Return of 9040A SPU	-4,290.
Opt. 0HN†	Return of 9050A SPU	-3,525.

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

† Must be ordered concurrently with A1004A. Consult your HP sales representative for details.

Series 800 Multiuser Computer Systems (cont'd)

Product No./ Option No.	Description	Price
A1035A	Model 835S Multiuser Computer System. SPU consisting of: • System processor • Floating point coprocessor • Integrated cabinet, power supply, Channel I/O Bus • 8 Mbytes ECC RAM • 6-channel Multiplexer • HP-IB Interface • 16-user HP-UX license, media and full documentation set. Must order either Opt. AA0 of AA1 below.	\$45,000.
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. 002	Add A1010A 8 Mbyte ECC RAM board	8,000.
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 1037A 16 Mbyte ECC RAM board	16,000.
Opt. 531†	Substitute two A1037A 16 Mbyte ECC RAM boards for A1010A 8 Mbyte ECC RAM board. (Total system RAM = 32 Mb)	18,000.
Opt. OE1	Add 1014A powerfail battery backup system	4,500.
Opt. OHJ**	Return of 9020A/B SPU	-7,100.
Opt. OHK**	Return of 9020C SPU	-10,975.
Opt. OHL**	Return of 9030A SPU	-4,040.
Opt. OHM**	Return of 9040A SPU	-4,290.
Opt. OHN**	Return of 9050A SPU	-3,525.
A1040A	Model 835SE Multiuser Computer System. SPU consisting of: • System processor • Floating point coprocessor • Integrated cabinet, power supply, Channel I/O Bus • Second integrated Channel I/O Adapter and 8-slot I/O Expander • 24 Mbytes ECC RAM • 6-channel Multiplexer • HP-IB Interface • Powerfail battery backup system • 64-user HP-UX license, media and full documentation set. Must order either Opt. AA0 of AA1 below.	101,950. \$80,000-
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. 002	Add A1010A 8 Mbyte ECC RAM board	8,000.
Opt. 515*	Substitute A1037A 16 Mbyte ECC RAM board for A1010A 8 Mbyte ECC RAM board. (Total system RAM = 32 Mb)	6,000.
Opt. 516	Add A1037A 16 Mbyte ECC RAM board	16,000.
Opt. OHJ**	Return of 9020A/B SPU	-7,100.
Opt. OHK**	Return of 9020C SPU	-10,975.
Opt. OHL**	Return of 9030A SPU	-4,040.
Opt. OHM**	Return of 9040A SPU	-4,290.
Opt. OHN**	Return of 9050A SPU	-3,525.

* Limited to one per mainframe.

** Must be ordered concurrently with A1040A/9741A. Consult your HP sales representative for details.

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

Series 800 Multiuser Computer Systems (cont'd)

Product No./ Option No.	Description	Price
9742A	Model 850S Multiuser Computer System. SPU consisting of: • System processor • Floating point coprocessor • 32 Mbytes ECC RAM • Two bus converters, two Channel I/O Adapters • 6-channel Multiplexer (with 4 available ports) • HP-IB (IEEE 488) Interface • 64-user HP-UX license, media and full documentation set. Must order either Opt. AA0 of AA1 below. • Powerfail battery backup system • Integrated cabinet, power supply • Access port interface	\$188,500.
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. 015	380 Vac, 50 Hz	N/C
Opt. 016	415 vac, 50 Hz	N/C
Opt. 516	Add A1104A 16 Mbyte ECC RAM board	32,000.
Opt. 601	Add A1122A CIO Terminal Expander	30,000.
Opt. 602	Add A1123A Expansion Module Kit	18,000.
Opt. 603	Add A1124A Add-on expander	27,500.
Opt. 828	Add A1108A Floating point upgrade	15,000.
Opt. 0C8*	Return of Model 825S	-11,200.
Opt. 0C9*	Return of Model 840S	-51,885.
Opt. 0GA*	Return of Model 835S	-14,000.
Opt. 0GB*	Return of Model 835SE	-27,000.
Opt. 0HJ*	Return of 9020A/B SPU	-7,100.
Opt. 0HK*	Return of 9020C SPU	-10,975.
Opt. 0HL*	Return of 9030A SPU	-4,040.
Opt. 0HM*	Return of 9040A SPU	-4,290.
Opt. 0HN*	Return of 9050A SPU	-3,525.
A1114A	Model 855S Multiuser Computer System. SPU consisting of: • System processor • Floating point coprocessor • 32 Mbytes ECC RAM • Two bus converters, two Channel I/O Adapters • 6-channel Multiplexer (with 4 available ports) • HP-IB (IEEE 488) Interface • 64-user HP-UX license, media and full documentation set. Must order either Opt. AA0 of AA1 below. • Powerfail battery backup system • Integrated cabinet, power supply • Access port interface	308,500.
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. 015	380 Vac, 50 Hz	N/C
Opt. 016	415 Vac, 50 Hz	N/C
Opt. 516	Add A1104A 16 Mbyte ECC RAM board	32,000.
Opt. 601	Add A1122A CIO Terminal expander	30,000.
Opt. 602	Add A1123A Expansion Module Kit	18,000.
Opt. 603	Add A1124A Add-on expander	27,500.
Opt. 0C8*	Return of Model 825S	-12,575.
Opt. 0C9*	Return of Model 840S	-60,440.
Opt. 0GA*	Return of Model 835S	-18,500.
Opt. 0GB*	Return of Model 835SE	-37,500.

* Must order concurrently with 9742A or A1114A. Consult your HP sales representative for details.

Series 800 System Accessories

Models 815 Accessories

Product No./ Option No.	Description	Price
A1404A	8 Mbyte Error Correcting Memory	\$8,000.
A1407A	Battery Back-Up Subsystem	2,000.
A1406A	Field Upgrade Floating Point Processor	3,600.

Models 825/835 Accessories

Product No./ Option No.	Description	Price
A1009A	2 Mbyte ECC RAM board	\$4,000.
A1009AN	Return of 2 Mbyte ECC RAM board for Model 825S. Must be ordered concurrently with Series 800 pre-configured system.	-1,600.
A1010A	8 Mbyte ECC RAM board for 825/835 systems	10,000.
A1010AN	Return of 8 Mbyte ECC RAM board for Models 825/835. Must be ordered concurrently with Series 800 pre-configured system.	-4,000.
A1013A	Expander and Channel I/O Adapter for Model 825	16,000.
A1013AN	Return of Expander and Channel I/O Adapter for Model 825S. Must be returned with SPU A1004A.	-4,800.
A1014A	Powerfail Battery Backup System for 825/835 systems	5,000.
A1014AN	Return of Powerfail Battery Backup System for Models 825S and 835S. Must be returned with SPU (A1004A or A1035A)	-1,500.
A1015A	Access Port for 825/835 systems	5,500.
A1037A	16 Mbyte ECC RAM board for 825/835 systems	20,000.
A1037AN	Return of 16 Mbyte ECC RAM board for Models 825/835.	-8,000.
97099A	19-inch Rack mount kit for Models 825/835 SPU or Expander	575.
19500B	19-inch Rack mount kit for Models 825/835 battery backup system	125.

Model 850S/855S Accessories

Product No./ Option No.	Description	Price
A1101A	Channel I/O Adapter	\$15,750.
A1104A	16 Mbyte RAM Board	32,000.
A1108A	Floating Point Upgrade Kit (for 850S only)	25,000.
A1122A	Channel I/O Terminal Expander	35,000.
A1123A	Expansion Module Kit. Requires previous purchase of A1122A or A1124A	28,000.
A1124A	Add-on Expander. Requires previous purchase of A1122A.	32,500.
A1125A	Cable Management Rack	5,000.

HP 9000 Localization

HP 9000 Series 300 Workstations and Series 800 Superworkstations Computing Systems are available in the following localized versions. 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 310 Low-cost Color Instrument Controller, order 98581B + Opt. ABD (workstation product number plus Opt. ABD for the German version). The localization option is a must order option.

For example, to order the German version of the Model 25 Network Server with HP-UX pre-load with 150-Mbytes of swap space, order 98566E + Opt. ABD & Opt. 1AR. The localization and HP-UX pre-load options are must-order options.

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 superworkstations 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.

Series 300 Entry-Level Workstations

The Models 318M and 319C+ are limited-expansion workstations and therefore have no accessory slots available for interface and accessory cards. On-board HP-IB and RS-232C interfaces are available to allow connection of printers, plotters and data storage devices to your system.

* Cable not included in Model 319C+. Model 318M ships with 10' HP-IB cable.

Series 300 Entry Level Workstations

Product/Opt. No.	Component	Description	Price
98563B		Model 318M Monochrome Workstation SPU consisting of: ● MC68020 Processor, 16.67 MHz ● MC68881 Floating Point Coprocessor, 16.67 MHz ● 4 Mbytes parity-checking RAM ● 4 Gbytes virtual memory address space ● 32-bit memory bus ● 1024 x 768 on-board monochrome graphics interface with cable ● IEEE-488 HP-IB interface with two-channel DMA Controller ● RS-232C serial interface with DB25 connector ● IEEE 802.3 / Ethernet LAN interface with ThinMAU and BNC "T" connector ● HP-HIL interface Audio interface ● HP- IB and HP-HIL cables	\$6,070.
	98786A	17-inch High-resolution Monochrome Monitor (1024 X 768)	
	98594L	HP-UX License-to-Use AXE, PE, NS-ARPA, NFS Services/300**, and X11	
	Keyboard	<i>Note: Must specify one keyboard option.</i>	
Opt. 060		Add 46060A HP-HIL 2-button Mouse	155.
Opt. 084		Add 48084A HP-HIL ID Module	195.
98564A		319C+ Color Workstation SPU consisting of: ● MC68020 processor, 16.67 MHz ● MC68881 Floating Point Coprocessor, 16.67 MHz ● 4 Mbytes parity-checking RAM, expandable to 16 Mbytes ● 6-plane graphics board with RGB cable ● 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 with ThinMAU and BNC "T" connector ● HP-HIL interface with cable ● Built-in speaker	\$11,600.
	98785A	16-inch High-resolution Color Monitor (1024 x 768)	
	98594L	HP-UX License-to-Use AXE, PE, NS-ARPA, NFS Services/300, and X11	
	Keyboard	<i>Note: Must specify one keyboard option.</i>	
Opt. 010†		Add high-speed HP-IB disc interface capability	830.
Opt. 011†		SCSI single-ended board with 0.5m cable and terminator	820.
Opt. 060		Add 46060A HP-HIL 2-button Mouse	155.
Opt. 084		Add 46084A HP-HIL ID Module	195.
Opt. 108*††		Add 4 Mbytes RAM for total of 8 Mbytes RAM	3,595.
Opt. 112*††		Add 8 Mbytes RAM for total of 12 Mbytes RAM	7,190.
Opt. 116*		Add 12 Mbytes RAM for total of 16 Mbytes RAM	10,800.
Opt. 719		Substitute 19-inch color monitor (98751A) for 16-inch monitor (98785A)	3,125.

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

** Application Execution Environment (AXE), Programming Environment (PE), Network Services (NS) and Network File System (NFS).

† Opt. 010 and Opt. 011 are not offered as a field upgrade; Opt. 010 and Opt. 011 cannot be ordered concurrently.

†† The 4 and 8 Mbytes RAM expansion boards are also offered as field upgrades.

Series 300 Entry Level Workstations (cont'd.)

Product/Opt. No.	Component	Description	Price
98573A		319SRX Solid Rendering Workstation SPU consisting of: ● MC68020 processor, 16.67 MHz ● MC68881 Floating Point Coprocessor, 16.67 MHz ● 4 Mbytes parity-checking RAM, expandable to 16 Mbytes ● 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 with ThinMAU and BNC "T" connector ● HP-HIL interface with cable ● Built-in speaker ● High-speed HP-IB disk interface ● Interface to the 98720A	\$30,430
	98720A	3D display controller with:	
	Opt. 721	3D Solid Rendering Graphics Accelerator	
	Opt. 722	8 planes frame buffer memory	
	98789A	16-inch high resolution color monitor (1280 X 1024)	
	98594L	HP-UX 6.2, License-to-Use AXE, PE, NS-ARPA, NFS Services/300, and X11	
	Keyboard	Note: Must specify one keyboard option.	
Opt. 016*		Add 8 planes frame buffer memory for a total of 16 planes	4,120.
Opt. 024*		Add 16 planes frame buffer memory for a total of 24 planes	8,240.
Opt. 032*		Add 24 planes frame buffer memory for a total of 24 planes with a full 16 bit Z-buffer	12,350.
Opt. 060		Add 46060A HP-HIL 2-button Mouse	155.
Opt. 084		Add 46084A HP-HIL ID Module	195.
Opt. 108**†		Add 4 Mbytes RAM for total of 8 Mbytes RAM	3,595.
Opt. 112**†		Add 8 Mbytes RAM for total of 12 Mbytes RAM	7,190.
Opt. 116†		Add 12 Mbytes RAM for total of 16 Mbytes RAM	10,800.
Opt. 719		Substitute 19-inch color monitor (98752A) for 16-inch monitor (98789A)	3,125.

* Opt. 016, 024, and 032 cannot be ordered concurrently. SCSI interface not available.

** The 4 and 8 Mbytes RAM expansion boards are also offered as field upgrades. Upgrades must be installed by HP qualified personnel; the CE installation charge included in list price.

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

Series 300 Upgrades and Component Returns

Model 319 Upgrades

Product/Opt. No.	Description	Price
	<i>Note: Upgrades must be installed by HP qualified personnel. The installation charge is included in the list price.</i>	
98266A	Model 319 4 Mbytes RAM daughterboard upgrade	\$4,725.
98266B	Model 319 8 Mbytes RAM daughterboard upgrade	8,290.

Series 300 Configurable Workstations

Models 330, 340, 350, 360, and 370, 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 330 Workstations (C, CH, CHX, M, MH)

Product/Opt. No.	Component	Description	Price
98583S		Model 330C Color Workstation	\$20,040.
	98562A	Model 330 SPU plus:	
	98547A	High-resolution Color Graphics Board with RGB cable	
	98785A	16-inch High-resolution Color Monitor (1024 x 768)	
	46060A	HP-HIL 2-button Mouse	
	46081A	2.4m HP-HIL Extension with audio	
	46084A	HP-HIL ID Module	
	98594L	HP-UX License-to-Use AXE, PE, NS-ARPA, NFS Services/300, and X11	
		Note: One out of four DIO II slots available.	
	Keyboard	Note: Must specify one keyboard option.	
Opt. 006		Add 98242B 2-slot DIO Backplane to convert one DIO-II slot to two DIO slots	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. 719		Substitute 19-inch color monitor (98751A) for 16-inch monitor (98785A)	3,125.
98588S		Model 330CH 2D Color Workstation	20,040.
	98562A	Model 330 SPU plus:	
	98550A	High-resolution Color Graphics Board with RGB cables	
	98789A	16-inch High-resolution Color Monitor (1280 x 1024)	
	46060A	HP-HIL 2-button Mouse	
	46081A	2.4m HP-HIL Extension with audio	
	46084A	HP-HIL ID Module	
	98594L	HP-UX License-to-Use AXE, PE, NS-ARPA, NFS Services/300, and X11	
		Note: One out of four DIO II slots available.	
	Keyboard	Note: Must specify one keyboard option.	
Opt. 006		Add 98242B 2-slot DIO Backplane	400.
Opt. 010*		Add 98262A High-speed HP-IB Disc 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. 556		Add 98556A 2D integer-based graphics accelerator	5,220.
Opt. 719		Substitute 19-inch monitor (98752A) for 16-inch monitor (98789A)	3,125.

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

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

Model 330 Workstations (cont'd)

Product/Opt. No.	Component	Description	Price
98588S Opt. 556		Model 330CHX 2D Color Workstation (Model 330CH with 2D Integer-based Graphics Accelerator) Model 330CH 2D Color Workstation Add 98556A 2D Integer-based Graphics Accelerator Model 330 SPU plus: High-resolution Color Graphics Board with RGB cable 16-inch High-resolution Color Monitor (1280 x 1024) HP-HIL 2-button mouse 2.4m HP-HIL Extension with audio HP-HIL ID Module HP-UX License-to-Use AXE, PE, NS-ARPA, NFS Services/300, and X11 <i>Note: One out of four DIO II slots available.</i> <i>Note: Must specify one keyboard option.</i>	\$20,040. 5,220.
	98562A		
	98550A		
	98789A		
	46060A		
	46081A		
	46084A		
	98594L		
	Keyboard		
Opt. 006		Add 98242B 2-slot DIO Backplane to convert one DIO-II slot to two DIO slots	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. 719		Substitute 19-inch color monitor (98752A) for 16-inch monitor (98789A)	3,125.
98582S		Model 330M Monochrome Workstation Model 330 SPU plus: High-resolution Monochrome Graphics Board 17-inch High-resolution Monochrome Monitor (1024 x 768) HP-HIL 2-button Mouse HP-HIL ID Module HP-UX License-to-Use AXE, PE, NS-ARPA, NFS Services/300, and X11 <i>Note: One out of four DIO II slots available.</i> <i>Note: Must specify one keyboard option.</i>	15,040.
	98562A		
	98544B		
	98786A		
	46060A		
	46084A		
	98594L		
	Keyboard		
Opt. 006		Add 98242B 2-slot DIO Backplane to convert one DIO-II slot to two DIO slots	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
98589S		Model 330MH 2D Monochrome Workstation Model 330 SPU plus: High-resolution Monochrome Graphics Board 19-inch High-resolution Monochrome Monitor (1280 x 1024) HP-HIL 2-button Mouse 2.4m HP-HIL Extension with audio HP-HIL ID Module HP-UX License-to-Use AXE, PE, NS-ARPA, NFS Services/300, and X11 <i>Note: One out of four DIO II slots available.</i> <i>Note: Must specify one keyboard option.</i>	15,040.
	98562A		
	98548A		
	98788A		
	46060A		
	46081A		
	46084A		
	98594L		
	Keyboard		
Opt. 006		Add 98242B 2-slot DIO Backplane to convert one DIO-II slot to two DIO slots	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. 010 and Opt. 011 cannot be ordered concurrently.

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

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

Product/Opt. No.	Component	Description	Price
98564C		Model 340C+ Color Workstation 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 Plus: • High-resolution, high-performance Color Graphics Board (1024 x 768), 6-plane with RGB cable 16-inch High-resolution Color Monitor (1024x768) HP-UX License-to-use AXE, PE, NS-ARPA, NFS Services/300, and X11 Note: Must specify one keyboard option	\$8,495.
	98785A 98594L Keyboard		
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)	1,495.
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. 060		Add 46060A HP-HIL 2-button mouse	155.
Opt. 084		Add 46084A HP-HIL ID module	195.
Opt. 108†		Add 4 Mbytes RAM for a total of 8 Mbytes RAM	4,250.
Opt. 112†		Add 8 Mbytes RAM for a total of 12 Mbytes RAM	8,500.
Opt. 116†		Add 12 Mbytes RAM for a total of 16 Mbytes RAM	12,750.
Opt. 404††		162 Mbytes SCSI disk drive with HP-UX installed. Requires Option 011.	4,790.
Opt. 405††		323 Mbytes SCSI disk drive with HP-UX installed. Requires Option 011.	7,690.
Opt. 719		Substitute 19-inch color monitor (98751A) for 16-inch color monitor (98785A)	3,125.

* Options 006, 010, and 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 and 405 cannot be ordered concurrently.

Model 340 Workstations (cont'd)

Product/Opt. No.	Component	Description	Price
98564G		Model 340CH 2D Color Workstation Model 340 SPU which includes: ● MC68030, 16.67 MHz ● 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 Plus: ● High-resolution, high-performance Color Graphics Board (1280 x 1024), 8 planes plus 2 overlay planes with RGB cable	\$10,995.
	98789A 98594L Keyboard	16-inch High-resolution Color Monitor (1280 x 1024) HP-UX License-to-use AXE, PE, NS-ARPA, NFS Services/300, and X11 Note: Must specify one keyboard option	
Opt. 006*		Add one DIO slot	750.
Opt. 010*		Add 98625B High Speed HP-IB Disk Interface (includes DIO 1 slot).	1,495.
Opt. 011*		Add 98658A SCSI single-ended board with 1m cable and terminator (includes DIO 1 slot)	1,495.
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. 060		Add 46060A HP-HIL 2-button mouse	155.
Opt. 084		Add 46084A HP-HIL ID module	195.
Opt. 108†		Add 4 Mbytes RAM for a total of 8 Mbytes RAM	4,250.
Opt. 112†		Add 8 Mbytes RAM for a total of 12 Mbytes RAM	8,500.
Opt. 116†		Add 12 Mbytes RAM for a total of 16 Mbytes RAM	12,750.
Opt. 404††		162 Mbytes SCSI disk drive with HP-UX installed. Requires Opt. 011.	4,790.
Opt. 405††		323 Mbytes SCSI disk drive with HP-UX installed. Requires Opt. 011.	7,690.
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.

* Options 006, 010, and 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 and 405 cannot be ordered concurrently.

Model 340 Workstations (cont'd)

Product/Opt. No.	Component	Description	Price
98564G		Model 340CHX 2D Color Workstation (Model 340CH with 2D integer-based graphics accelerator)	
Opt. 556		Model 340CH 2D Color Workstation Add 98556A 2D Integer-based Graphics accelerator	\$10,995. 5,000.
		Model 340 SPU which includes:	
		• MC68030, 16.67 MHz	
		• 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	
		Plus:	
		• High-resolution, high-performance Color Graphics Board (1280 x 1024), 8 planes plus 2 overlay planes with RGB cable	
	98789A	16-inch High-resolution Color Monitor (1280 x 1024)	
	98594L	HP-UX License-to-use AXE, PE, NS-ARPA, NFS Services/300, and X11	
	Keyboard	Note: Must specify one keyboard option	
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)	1,495.
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. 060		Add 46060A HP-HIL 2-button mouse	155.
Opt. 084		Add 46084A HP-HIL ID module	195.
Opt. 108†		Add 4 Mbytes RAM for a total of 8 Mbytes RAM	4,250.
Opt. 112†		Add 8 Mbytes RAM for a total of 12 Mbytes RAM	8,500.
Opt. 116†		Add 12 Mbytes RAM for a total of 16 Mbytes RAM	12,750.
Opt. 404††		162 Mbyte SCSI disk drive with HP-UX installed. Requires Option 011.	4,790.
Opt. 405††		323 Mbyte SCSI disk drive with HP-UX installed. Requires Option 011.	7,690.
Opt. 719		Substitute 19-inch color monitor (98752A) for 16-inch color monitor (98789A)	3,125.

* Options 006, 010, and 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 and 405 cannot be ordered concurrently.

Model 340 Workstations (cont'd)

Product/Opt. No.	Component	Description	Price
98563E		Model 340M Monochrome Workstation Model 340 SPU which includes: ● MC68030, 16.67 MHz ● 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 Plus: ● High-resolution monochrome graphics board (1024 x 768) with video cable	\$5,495.
	98786A 98594L Keyboard	17-inch high-resolution monochrome monitor (1024x768) HP-UX License-to-use AXE, PE, NS-ARPA, NFS Services/300, and X11 <i>Note: Must specify one keyboard option</i>	
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)	1,495.
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. 060		Add 46060A HP-HIL 2-button mouse	155.
Opt. 084		Add 46084A HP-HIL ID module	195.
Opt. 108†		Add 4 Mbytes RAM for a total of 8 Mbytes RAM	4,250.
Opt. 112†		Add 8 Mbytes RAM for a total of 12 Mbytes RAM	8,500.
Opt. 116†		Add 12 Mbytes RAM for a total of 16 Mbytes RAM	12,750.

* Options 006, 010, and 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



Model 340 Workstations (cont'd)

Product/Opt. No.	Component	Description	Price
98563G		Model 340MH 2D Monochrome Workstation Model 340 SPU which includes: ● MC68030, 16.67 MHz ● 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 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)	
	98594L	HP-UX License-to-use AXE, PE, NS-ARPA, NFS Services/300, and X11	
	Keyboard	Note: Must specify one keyboard option	
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)	1,495.
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. 060		Add 46060A HP-HIL 2-button mouse	155.
Opt. 084		Add 46084A HP-HIL ID module	195.
Opt. 108†		Add 4 Mbytes RAM for a total of 8 Mbytes RAM	4,250.
Opt. 112†		Add 8 Mbytes RAM for a total of 12 Mbytes RAM	8,500.
Opt. 116†		Add 12 Mbytes RAM for a total of 16 Mbytes RAM	12,750.
Opt. 404††		162 Mbyte SCSI disk drive with HP-UX installed. Requires Option 011.	4,790.
Opt. 405††		323 Mbyte SCSI disk drive with HP-UX installed. Requires Option 011.	7,690.

* Options 006, 010, and 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 and 405 cannot be ordered concurrently.

Model 340 Workstations (cont'd)

Product/Opt. No.	Component	Description	Price
98573C		Model 340SRX Solid Rendering Workstation Model 340 SPU which includes: ● MC68030, 16.67 MHz ● 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 ● High-resolution monochrome graphics board ● 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 Plus: 16-bit Display controller interface to 98720A 3D Display Controller 98721A 3D Solid Rendering Graphics Accelerator 98722A Frame Buffer Board 16-inch High-resolution color monitor (1280x1024) RGB cable HP-UX License-to-use AXE; PE, NS-ARPA, NFS Services/300; and X11 Note: Must specify one keyboard option	\$14,900.
	98720A		
	● Opt. 721	98721A 3D Solid Rendering Graphics Accelerator	
	● Opt. 722	98722A Frame Buffer Board	
	98789A	16-inch High-resolution color monitor (1280x1024)	
	98290A	RGB cable	
	98594L	HP-UX License-to-use AXE; PE, NS-ARPA, NFS Services/300; and X11	
	Keyboard	Note: Must specify one keyboard option	
Opt. 010*		Add 98625B High Speed HP-IB Disk Interface (includes DIO 1 slot).	1,495.
Opt. 011*		Add 98658A SCSI single-ended board with 1m cable and terminator (includes DIO 1 slot)	1,495.
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. 016†		Add one 8-plane frame buffer board for a total of 16 planes	3,000.
Opt. 024†		Add two 8-plane frame buffer boards for a total of 24 planes	6,000.
Opt. 032†		Add three 8-plane frame buffer boards for a total of 32 planes Note: Although this is physically 32 planes, only 24 can be used for display. The other 8 planes are used with off-screen memory for a full 16-bit Z-buffer.	9,000.
Opt. 060		Add 46060A HP-HIL 2- button mouse	155.
Opt. 084		Add 46084A HP-HIL ID module	195.
Opt. 108††		Add 4 Mbytes RAM for a total of 8 Mbytes RAM	4,250.
Opt. 112††		Add 8 Mbytes RAM for a total of 12 Mbytes RAM	8,500.
Opt. 116††		Add 12 Mbytes RAM for a total of 16 Mbytes RAM	12,750.
Opt. 404†††		162 Mbyte SCSI disk drive with HP-UX installed. Requires Option 011.	4,790.
Opt. 405†††		323 Mbyte SCSI disk drive with HP-UX installed. Requires Option 011.	7,690.
Opt. 719		Substitute 19-inch monitor (98752A) for 16-inch monitor (98789A)	3,125.

* Must order Option 010 or 011; options cannot be ordered concurrently.

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

† Options 016, 024 and 032 cannot be ordered concurrently

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

††† Options 404 and 405 cannot be ordered concurrently.

Model 340 Upgrades

Product/Opt. No.	Description	Price
98268A	Model 340 4 Mbytes parity checking RAM add-on upgrade. Note: A maximum of 16 Mbytes may be installed.	\$5,000.
98013A	DIO slot upgrade. Note: This upgrade may be installed only if Option 006, 010 or 011 have not been previously specified.	1,500.
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.

Model 350 Workstations (C, CH, CHX, CX, M, MH, SRX, TurboSRX)

Product/Opt. No.	Component	Description	Price
98583E		Model 350C Color Workstation	\$41,330.
	98562B	Model 350 SPU plus:	
	98547A	High-resolution Color Graphics Board with RGB cable	
	98751A	19-inch High-resolution Color Monitor (1024 x 768)	
	46060A	HP-HIL 2-button Mouse	
	46081A	2.4m HP-HIL Extension with audio	
	46084A	HP-HIL ID Module	
	98594L	HP-UX License-to-Use AXE, PE, NS-ARPA, NFS Services/300, and X11	
	Keyboard	Note: Zero out of four DIO II slots available for accessory cards. Note: Must specify one keyboard option.	
Opt. 011		Delete high-speed HP-IB; add 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 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.
Opt. 716		Substitute 16-inch monitor (98785A) for 19-inch monitor (98751A)	-3,125.
98588E		Model 350CH 2D Color Workstation	41,330.
	98562B	Model 350 SPU plus:	
	98550A	High-resolution Color Graphics Board with RGB cable	
	98752A	19-inch High-resolution Color Monitor (1280 x 1024)	
	46060A	HP-HIL 2-button Mouse	
	46081A	2.4m HP-HIL Extension with audio	
	46084A	HP-HIL ID Module	
	98594L	HP-UX License-to-Use AXE, PE, NS-ARPA, NFS Services/300, and X11	
	Keyboard	Note: Zero out of four DIO II slots available for accessory cards. Note: Must specify one keyboard option.	
Opt. 011		Delete high-speed HP-IB; add 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 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.
Opt. 556		Add 98556A 2D Integer-based Graphics Accelerator	5,220.
Opt. 716		Substitute 16-inch monitor (98785A) for 19-inch monitor (98751A)	-3,125.

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

** Cannot be ordered concurrently.

Model 350 Workstations (cont'd)

Product/Opt. No.	Component	Description	Price
98588E		Model 350CHX 2D Color Workstation (Model 350CH with 2D Integer-based Graphics Accelerator)	
Opt. 556		Model 350CH 2D Color Workstation	\$41,330.
		Add 98556A 2D Integer-based Graphics Accelerator	5,220.
	98562B	Model 350 SPU plus:	
	98550A	High-resolution Color Graphics Board with RGB cable	
	98752A	19-inch High-resolution Color Monitor (1280 x 1024)	
	46060A	HP-HIL 2-button mouse	
	46081A	2.4m HP-HIL extension with audio	
	46084A	HP-HIL ID Module	
	98594L	HP-UX License-to-Use AXE, PE, NS-ARPA, NFS Services/300, and X11	
		<i>Note: Zero out of four DIO II slots available for accessory cards.</i>	
	Keyboard	<i>Note: Must specify one keyboard option.</i>	
Opt. 011		Delete high-speed HP-IB; add 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 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.
Opt. 716		Substitute 16-inch monitor (98789A) for 19-inch monitor (98752A)	-3,125.
98586E		Model 350CX Color Workstation with Graphics Accelerator	55,160.
	98562B	Model 350 SPU plus:	
	• Opt. 006	Add 2-slot DIO Backplane	
	98700A	High-resolution Display Controller	
	98710A	Graphics Accelerator for the 98700A	
	98701A	4-plane Graphic Memory Upgrade for 98700A	
	98287A	Series 300 Interface Card for 98700A	
	98751A	19-inch High-resolution Color Monitor (1024 x 768)	
	98290A	RGB Cable	
	46060A	HP-HIL 2-button Mouse	
	46081A	2.4m HP-HIL Extension with audio	
	46084A	HP-HIL ID Module	
	98594L	HP-UX License-to-Use AXE, PE, NS-ARPA, NFS Services/300, and X11	
		<i>Note: Zero out of four DIO II slots available; one DIO accessory (does not support I/O cards) slot available.</i>	
	Keyboard	<i>Note: Must specify one keyboard option.</i>	
Opt. 011		Delete high-speed HP-IB; add 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 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.

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

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

Model 350 Workstations (cont'd)

Product/Opt. No.	Component	Description	Price
98582E		Model 350M Monochrome Workstation	\$30,950.
	98562B	Model 350 SPU plus:	
	98544B	High-resolution Monochrome Graphics Board	
	98786A	17-inch High-resolution Monochrome Monitor (1024 x 768)	
	46060A	HP-HIL 2-button Mouse	
	46081A	2.4m HP-HIL extension with audio	
	46084A	HP-HIL ID Module	
	98594L	HP-UX License-to-Use AXE, PE, NS-ARPA, NFS Services/300, and X11	
		Note: Zero out of four DIO II slots available for accessory cards.	
	Keyboard	Note: Must specify one keyboard option.	
Opt. 011		Delete high-speed HP-IB; add 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 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.
98589E		Model 350MH Monochrome Workstation	30,950.
	98562B	Model 350 SPU plus:	
	98548A	High-resolution Monochrome Graphics Board	
	98788A	19-inch High-resolution Monochrome Monitor (1280 x 1024)	
	46060A	HP-HIL 2-button mouse	
	46081A	2.4m HP-HIL Extension with audio	
	46084A	HP-HIL ID Module	
	98594L	HP-UX License-to-Use AXE, PE, NS-ARPA, NFS Services/300, and X11	
		Note: Zero out of four DIO II slots available for accessory cards.	
	Keyboard	Note: Must specify one keyboard option.	
Opt. 011		Delete high-speed HP-IB; add 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 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.

Model 350 Workstations (cont'd)

Product/Opt. No.	Component	Description	Price
98587E		Model 350SRX Solid Rendering Workstation	\$58,440.
	98562B	Model 350 SPU plus:	
	98720A	3D Display Controller	
	• Opt. 721	98721A 3D Solid Rendering Graphics Accelerator	
	• Opt. 722	98722A Frame Buffer Board	
	98725A	16-bit Display Controller Interface to 98720A	
	98752A	19-inch High-resolution Color Monitor (1280 x 1024)	
	98290A	RGB cable	
	46060A	HP-HIL 2-button mouse	
	46081A	2.4m HP-HIL Extension with audio	
	46084A	HP-HIL ID Module	
	98594L	HP-UX License-to-Use AXE, PE, NS-ARPA, NFS Services/300, and X11	
		Note: Zero out of four DIO II slots available for accessory cards.	
	Keyboard	Note: Must specify one keyboard option.	
Opt. 011		Delete High-speed HP-IB; add 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. 016††		Add one 98722A 8-plane frame buffer board for a total of 16 planes (limit four 98722A per 98720A). Also includes 98723A additional power supply.	4,250.
Opt. 024††		Add two 98722A 8-plane frame buffer boards for a total of 24 planes (limit four 98722A per 98720A). Also includes 98723A additional power supply.	8,510.
Opt. 032††		Add three 98722A 8-plane frame buffer boards for a total of 24 planes with a full 16-bit Z-buffer (limit four 98722A per 98720A). Also includes 98723A additional power supply.	12,750.
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.
98587F		Model 350 TurboSRX Solid Rendering Workstation	51,150.
	98562B	Model 350 SPU plus:	
	98730A	3D Display Controller (with no accelerators) with 8 planes of frame buffer memory and RGB cable	
	98726A	32-bit Display Controller Interface to 98730A	
	98752A	19-inch High-resolution Color Monitor (1280 x 1024)	
	46060A	HP-HIL 2-button Mouse	
	46081A	2.4m HP-HIL Extension with audio	
	46084A	HP-HIL ID Module	
	98594L	HP-UX License-to-Use AXE, PE, NS-ARPA, NFS Services/300, and X11	
		Note: Zero out of four DIO II slots available for accessory cards.	
	Keyboard	Note: Must specify one keyboard option.	
Opt. 011		Delete high-speed HP-IB; add 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 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.
Opt. 608**		Add 3 accelerators for 3D solids and a full 16-bit Z-buffer (98732A)	20,600.
Opt. 616**		Add one 98722A frame buffer card (for a total of 16 planes of frame buffer memory), 3 accelerators for 3D solids and a full 16-bit Z- buffer (98732A)	24,700.
Opt. 624**		Add two 98722A frame buffer cards (for a total of 24 planes of frame buffer memory), 3 accelerators for 3D solids and a full 16- bit Z-buffer (98732A), Starbase Display List (98674L, 98674B), and Starbase Radiosity and Ray Tracing Libraries (98885A and 98885L).	28,850.
Opt. 716		Substitute 16-inch monitor (98789A) for 19-inch monitor (98752A)	-3,125.

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

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

** Options 608, 616, or 624 cannot be ordered concurrently.

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

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

Product/Opt. No.	Component	Description	Price
98583W		Model 360C+ 2D Color Workstation	\$14,900.
	98579A	Model 360 SPU plus:	
	98549A	High-resolution Color Graphics Board with RGB cable	
	98785A	16-inch High-resolution Color Monitor (1024 x 768)	
	46060A	HP-HIL 2-button Mouse	
	46081A	2.4m HP-HIL Extension with audio	
	46084A	HP-HIL ID Module	
	98594L	HP-UX License-to-Use AXE, PE, NS-ARPA, NFS Services/300, and X11	
		Note: One out of four DIO II slots available for accessory cards.	
	Keyboard	Note: Must specify one keyboard option.	
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. 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.
Opt. 404††		162 Mbyte SCSI disk drive with HP-UX installed. Requires Option 011.	4,790.
Opt. 405††		323 Mbyte SCSI disk drive with HP-UX installed. Requires Option 011.	7,690.
Opt. 719		Substitute 19-inch monitor (98751A) for 16-inch monitor (98785A)	3,125.
98588W		Model 360CH 2D Color Workstation	16,900.
	98579A	Model 360 SPU plus:	
	98550A	High-resolution Color graphics Board with RGB cable	
	98789A	16-inch High-resolution Color Monitor (1280 x 1024)	
	46060A	HP-HIL 2-button Mouse	
	46081A	2.4m HP-HIL Extension with audio	
	46084A	HP-HIL ID Module	
	98594L	HP-UX License-to-Use AXE, PE, NS-ARPA, NFS Services/300, and X11	
		Note: One out of four DIO II slots available for accessory cards.	
	Keyboard	Note: Must specify one keyboard option.	
Opt. 006		Add 98242B 2-slot DIO backplane to convert one DIO-II slot to two DIO slots	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. 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.
Opt. 404††		162 Mbyte SCSI disk drive with HP-UX installed. Requires Option 011.	4,790.
Opt. 405††		323 Mbyte SCSI disk drive with HP-UX installed. Requires Option 011.	7,690.
Opt. 556		Add 98556A 2D integer-based graphics accelerator	5,220.
Opt. 719		Substitute 19-inch monitor (98752A) for 16-inch monitor (98789A)	3,125.

* 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 and 405 cannot be ordered concurrently.

Model 360 Workstations (cont'd)

Product/Opt. No.	Component	Description	Price
98588W		Model 360CHX 2D Color Workstation (Model 360 CH with 2D Integer-Based Graphics Accelerator)	
Opt. 556		Model 360CH 2D Color Workstation	\$16,900.
		Add 98556A 2D Integer-based Graphics Accelerator	5,220.
	98579A	Model 360 SPU plus:	
	98549A	High-resolution Color Graphics Board with RGB cable	
	98789A	16-inch High-resolution Color Monitor (1280 x 1024)	
	46060A	HP-HIL 2-button mouse	
	46081A	2.4m HP-HIL Extension with audio	
	46084A	HP-HIL ID Module	
	98594L	HP-UX License-to-Use AXE, PE, NS-ARPA, NFS Services/300, and X11	
		Note: One out of four DIO II slots available for accessory cards.	
	Keyboard	Note: Must specify one keyboard option.	
Opt. 006		Add 98242B 2-slot DIO Backplane to convert one DIO-II slot to two DIO slots	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. 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.
Opt. 404††		162 Mbyte SCSI disk drive with HP-UX installed. Requires Option 011.	4,790.
Opt. 405††		323 Mbyte SCSI disk drive with HP-UX installed. Requires Option 011.	7,690.
Opt. 719		Substitute 19-inch monitor (98752A) for 16-inch monitor (98789A)	3,125.
98589W		Model 360MH 2D Monochrome Workstation	14,400.
	98579A	Model 360 SPU plus:	
	98548A	High-resolution Monochrome Graphics Board	
	98788A	19-inch High-resolution Monochrome Monitor (1280 x 1024)	
	46060A	HP-HIL 2-button Mouse	
	46081A	2.4m HP-HIL Extension with audio	
	46084A	HP-HIL ID Module	
	98594L	HP-UX License-to-Use AXE, PE, NS-ARPA, NFS Services/300, and X11	
		Note: One out of four DIO II slots available for accessory cards.	
	Keyboard	Note: Must specify one keyboard option.	
Opt. 006		Add 98242B 2-slot DIO Backplane to convert one DIO-II slot to two DIO slots	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. 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.
Opt. 404††		162 Mbyte SCSI disk drive with HP-UX installed. Requires Option 011.	4,790.
Opt. 405††		323 Mbyte SCSI disk drive with HP-UX installed. Requires Option 011.	7,690.

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

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

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

†† Options 404 and 405 cannot be ordered concurrently.

Model 360 Workstations (cont'd)

Product/Opt. No.	Component	Description	Price
98587W		Model 360SRX Solid Rendering Workstation	\$19,900.
	98579A	Model 360 SPU plus:	
	98720A	3D Display Controller	
	• Opt. 721	3D Solid Rendering Graphics Accelerator	
	• Opt. 722	Frame Buffer Board	
	98725A	16-bit Display Controller Interface to 98720A	
	98789A	16-inch High-resolution Color Monitor (1280 x 1024)	
	98290A	RGB cable	
	46060A	HP-HIL 2-button mouse	
	46081A	2.4m HP-HIL Extension with audio	
	46084A	HP-HIL ID Module	
	98594L	HP-UX License-to-Use AXE, PE, NS-ARPA, NFS Services/300, and X11	
		Note: One out of four DIO II slots available for accessory cards.	
	Keyboard	Note: Must specify one keyboard option.	
Opt. 006		Add 98242B 2-slot DIO backplane to convert one DIO-II slot to two DIO slots.	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. 016††		Add one 8-plane frame buffer board for a total of 16 planes (limit four 8-plane boards per 98720A)	3,000.
Opt. 024††		Add two 8-plane frame buffer boards for a total of 24 planes (limit four 8-plane boards per 98720A)	6,000.
Opt. 032††		Add three 8-plane frame buffer boards for a total of 24 planes with a full 16-bit Z-buffer (limit four 8-plane boards per 98720A)	9,000.
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. 404††		162 Mbyte SCSI disk drive with HP-UX installed. Requires Option 011.	4,790.
Opt. 405††		323 Mbyte SCSI disk drive with HP-UX installed. Requires Option 011.	7,690.
Opt. 719		Substitute 19-inch monitor (98752A) for 16-inch monitor (98789A)	3,125.

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

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

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

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

†† Options 404 and 405 cannot be ordered concurrently.

Model 360 Workstations (cont'd)

Product/Opt. No.	Component	Description	Price
98587T		Model 360 TurboSRX Solid Rendering Workstation	\$35,995.
	98579A	Model 360 SPU plus:	
	Opt 108	4 Mbytes RAM board for a total of 8 Mbytes RAM	
	Opt. 010	IEEE 488 High-speed Disk Interface with 2 meter HP-IB cable	
	98730A	3D Display Controller with 8 planes of frame buffer memory	
	98726A	32-bit Display Controller Interface to 98730A	
	98752A	19-inch High-resolution Color Monitor (1280 x 1024)	
	46060A	HP-HIL 2-button mouse	
	46081A	2.4m HP-HIL Extension with audio	
	46084A	HP-HIL ID Module	
	98594L	HP-UX License-to-Use AXE, PE, NS-ARPA, NFS Services/300, and X11	
		Note: One out of four DIO II slots available for accessory cards.	
	Keyboard	Note: Must specify one keyboard option.	
Opt. 006		Add 98242B 2-slot DIO backplane to convert one DIO-II slot to two DIO slots	400.
Opt. 011		Delete High-speed HP-IB Disk interface and 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. 112**		Add 4 Mbytes RAM for a total of 12 Mbytes RAM (98267B)	5,040.
Opt. 116**		Add 8 Mbytes RAM for a total of 16 Mbytes RAM (98267C)	9,780.
Opt. 404††		162 Mbyte SCSI disk drive with HP-UX installed. Requires Option 011.	4,790.
Opt. 405††		323 Mbyte SCSI disk drive with HP-UX installed. Requires Option 011.	7,690.
Opt. 416†		Add one 8-plane buffer board	4,120.
Opt. 424†		Add two 8-plane buffer boards	8,240.
Opt. 608†		Add 3 accelerators for 3D solids and a full 16-bit Z-buffer (98732A)	17,000.
Opt. 616†		Add one 98722A frame buffer card (for a total of 16 planes of frame buffer memory), 3 accelerators for 3D solids and a full 16-bit Z-buffer (98732A)	21,000.
Opt. 624†		Add two 98722A frame buffer cards (for a total of 24 planes of frame buffer memory), 3 accelerators for 3D solids and a full 16-bit Z-buffer (98732A), Starbase Display List (98674L, 98674B), and Starbase Radiosity and Ray Tracing Libraries (98885A and 98885L).	25,000.
Opt. 716		Substitute 16-inch monitor (98789A) for 19-inch monitor (98752A)	-3,125.

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

** Opts. 112 and 116 cannot be ordered concurrently.

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

†† Options 404 and 405 cannot be ordered concurrently.

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

Product/Opt. No.	Component	Description	Price
98588G		Model 370AIC Color AI Development System (Model 370CH with AI Development System).	
Opt. 688		Model 370CH 2D Color Workstation	\$31,900.
		AI Development System	4,120.
	98594A	Media and documentation for 98594L; software on 1/4-inch tape cartridge	
	98794A	HP-UX Programmer's Documentation Set	
	98688L	Development Environment for Common LISP II License-to-Use	
	98688B Opt. 022	Development Environment for Common LISP II; software on 1/4-inch tape cartridge	
	98579B	Model 370 SPU plus:	
	98550A	High-resolution Graphics Board with RGB cable	
	98752A	19-inch High-resolution Color Monitor (1280 x 1024)	
	46060A	HP-HIL 2-button mouse	
	46081A	2.4m HP-HIL Extension with audio	
	46084A	HP-HIL ID Module	
	98594L	HP-UX License-to-Use AXE, PE, NS-ARPA, NFS Services/300, and X11	
		Note: Zero out of four DIO II slots available for accessory cards.	
	Keyboard	Note: Must specify one keyboard option.	
Opt. 011		Delete high-speed HP-IB; add 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 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.
Opt. 404††		162 Mbyte SCSI disk drive with HP-UX installed. Requires Option 011.	4,790.
Opt. 405††		323 Mbyte SCSI disk drive with HP-UX installed. Requires Option 011.	7,690.
Opt. 556		Add 98556A 2D integer-based graphics accelerator	5,220.
Opt. 716		Substitute 16-inch monitor (98785A) for 19-inch monitor (98751A)	-3,125.

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

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

†† Options 404 and 405 cannot be ordered concurrently

Model 370 Workstations (cont'd)

Product/Opt. No.	Component	Description	Price
98589G Opt. 688		Model 370 AIM Monochrome AI Development System (Model 370MH with AI Development System). Model 370MH Monochrome Workstation AI Development System	24,500. 4,120.
	98594A	Media and documentation for 98549L; software on 1/4-inch tape cartridge	
	98794A	HP-UX Programmer's Documentation Kit	
	98688L	Development Environment for Common LISP II License-to-Use	
	98688B Opt. 022	Development Environment for Common LISP II; software on 1/4-inch tape cartridge	
	98579B	Model 370 SPU plus:	
	98548A	High-resolution Monochrome Graphics Board with cable	
	98788A	19-inch High-resolution Monochrome Monitor (1280 x 1024)	
	46060A	HP-HIL 2-button mouse	
	46081A	2.4m HP-HIL Extension with audio	
	46084A	HP-HIL ID Module	
	98594L	HP-UX License-to-Use AXE, PE, NS-ARPA, NFS Services/300, and X11 <i>Note: Zero out of four DIO II slots available for accessory cards.</i>	
	Keyboard	<i>Note: Must specify one keyboard option.</i>	
Opt. 011		Delete high-speed HP-IB; add 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 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.
Opt. 404††		162 Mbyte SCSI disk drive with HP-UX installed. Requires Option 011.	4,790.
Opt. 405††		323 Mbyte SCSI disk drive with HP-UX installed. Requires Option 011.	7,690.

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

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

†† Options 404 and 405 cannot be ordered concurrently

Model 370 Workstations (cont'd)

Product/Opt. No.	Component	Description	Price
98583G		Model 370C + 2D Color Workstation	\$28,000.
	98579B	Model 370 SPU plus:	
	98549A	High-resolution Color Graphics Board with RGB cable	
	98751A	19-inch High-resolution Color Monitor (1024 x 768)	
	46060A	HP-HIL 2-button mouse	
	46081A	2.4m HP-HIL Extension with audio	
	46084A	HP-HIL ID Module	
	98594L	HP-UX License-to-Use AXE, PE, NS-ARPA, NFS Services/300, and X11	
		Note: Zero out of four DIO II slots available for accessory cards.	
	Keyboard	Note: Must specify one keyboard option.	
Opt. 011		Delete high-speed HP-IB; add 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 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.
Opt. 404††		162 Mbyte SCSI disk drive with HP-UX installed. Requires Option 011.	4,790.
Opt. 405††		323 Mbyte SCSI disk drive with HP-UX installed. Requires Option 011.	7,690.
Opt. 716		Substitute 16-inch monitor (98785A) for 19-inch monitor (98751A)	-3,125.
98588G		Model 370CH 2D Color Workstation	31,900.
	98579B	Model 370 SPU plus:	
	98550A	High-resolution Color Graphics Board with RGB cable	
	98752A	19-inch High-resolution Color Monitor (1280 x 1024)	
	46060A	HP-HIL 2-button mouse	
	46081A	2.4m HP-HIL Extension with audio	
	46084A	HP-HIL ID Module	
	98594L	HP-UX 6.2 License-to-Use AXE, PE, NS-ARPA, NFS Services/300, and X11	
		Note: Zero out of four DIO II slots available for accessory cards.	
	Keyboard	Note: Must specify one keyboard option.	
Opt. 011		Delete high-speed HP-IB; add 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 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.
Opt. 404††		162 Mbyte SCSI disk drive with HP-UX installed. Requires Option 011.	4,790.
Opt. 405††		323 Mbyte SCSI disk drive with HP-UX installed. Requires Option 011.	7,690.
Opt. 556		Add 98556A 2D integer-based Graphics Accelerator	5,220.
Opt. 688		AI Development System	4,120.
Opt. 716		Substitute 16-inch monitor (98789A) for 19-inch monitor (98152A)	-3,125.

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

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

†† Options 404 and 405 cannot be ordered concurrently

Model 370 Workstations (cont'd)

Product/Opt. No.	Component	Description	Price
98588G		Model 370CHX 2D Color Workstation (Model 370CH with 2D integer-based Graphics Accelerator)	
Opt. 556		Model 370CH 2D Color Workstation Add 98556A 2D Integer-based Graphics Accelerator	\$31,900. 5,220.
	98579B	Model 370 SPU plus:	
	98550B	High-resolution Color Graphics Board with RGB cable	
	98752A	19-inch High-resolution Color Monitor (1280 x 1024)	
	46060A	HP-HIL 2-button mouse	
	46081A	2.4m HP-HIL Extension with audio	
	46084A	HP-HIL ID Module	
	98594L	HP-UX License-to-Use AXE, PE, NS-ARPA, NFS Services/300, and X11	
		Note: Zero out of four DIO II slots available for accessory cards.	
	Keyboard	Note: Must specify one keyboard option.	
Opt. 011		Delete high-speed HP-IB; add 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 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.
Opt. 404†		162 Mbyte SCSI disk drive with HP-UX installed. Requires Option 011.	4,790.
Opt. 405†		323 Mbyte SCSI disk drive with HP-UX installed. Requires Option 011.	7,690.
Opt. 716		Substitute 16-inch monitor (98789A) for 19-inch monitor (98752A)	-3,125.
98589G		Model 370MH Monochrome Workstation	24,500.
	98579B	Model 370 SPU plus:	
	98548A	High-resolution Monochrome Graphics Board	
	98788A	19-inch High-resolution Monochrome Monitor (1280 x 1024)	
	46060A	HP-HIL 2-button mouse	
	46081A	2.4m HP-HIL Extension with audio	
	46084A	HP-HIL ID Module	
	98594L	HP-UX License-to-Use AXE, PE, NS-ARPA, NFS Services/300, and X11	
		Note: Zero out of four DIO II slots available for accessory cards.	
	Keyboard	Note: Must specify one keyboard option.	
Opt. 011		Delete high-speed HP-IB; add 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 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.
Opt. 404†		162 Mbyte SCSI disk drive with HP-UX installed. Requires Option 011.	4,790.
Opt. 405†		323 Mbyte SCSI disk drive with HP-UX installed. Requires Option 011.	7,690.
Opt. 688		AI Development System	4,120.

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

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

† Options 404 and 405 cannot be ordered concurrently

Model 370 Workstations (cont'd)

Product/Opt. No.	Component	Description	Price
98587G		Model 370SRX Solid Rendering Workstation	\$41,900.
	98579B	Model 370 SPU plus:	
	98720A	3D Display Controller	
	• Opt. 721	98721A 3D Solid Rendering Graphics Accelerator	
	• Opt. 722	98722A Frame Buffer Board	
	98725A	16-bit Display Controller Interface to 98720A	
	98752A	19-inch High-resolution Color Monitor (1280 x 1024)	
	98290A	RGB cable	
	46060A	HP-HIL 2-button mouse	
	46081A	2.4m HP-HIL Extension with audio	
	46084A	HP-HIL ID Module	
	98594L	HP-UX License-to-Use AXE, PE, NS-ARPA, NFS Services/300, and X11	
		Note: Zero out of four DIO II slots available for accessory cards.	
	Keyboard	Note: Must specify one keyboard option.	
Opt. 011		Delete high-speed HP-IB; add 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. 016†		Add one 98722A 8-plane frame buffer board for a total of 16 planes (limit four 98722A per 98720A). Also includes 98723A additional power supply.	4,250.
Opt. 024†		Add two 98722A 8-plane frame buffer boards for a total of 24 planes (limit four 98722A per 98720A). Also includes 98723A additional power supply.	8,240.
Opt. 032†		Add three 98722A 8-plane frame buffer boards for a total of 24 planes with a full 16-bit Z-buffer (limit four 98722A per 98720A). Also includes 98723A additional power supply.	12,750.
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.
Opt. 404††		162 Mbyte SCSI disk drive with HP-UX installed. Requires Option 011.	4,790.
Opt. 405††		323 Mbyte SCSI disk drive with HP-UX installed. Requires Option 011.	7,690.
Opt. 716		Substitute 16-inch monitor (98789A) for 19-inch monitor (98752A)	-3,125.

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

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

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

†† Options 404 and 405 cannot be ordered concurrently

Model 370 Workstations (cont'd)

Product/Opt. No.	Component	Description	Price
98587H		Model 370 TurboSRX Solid Rendering Workstation	44,250.
	98579B	Model 370 SPU plus:	
	98730A	3D Display Controller (with no accelerators) with 8 planes of frame buffer memory and RGB cable	
	98726A	32-bit Display Controller Interface to 98730A	
	98752A	19-inch High-resolution Color Monitor (1280 x 1024)	
	46060A	HP-HIL 2-button mouse	
	46081A	2.4m HP-HIL Extension with audio	
	46084A	HP-HIL ID Module	
	98594L	HP-UX License-to-Use AXE, PE, NS-ARPA, NFS Services/300, X11	
		Note: Zero out of four DIO II slots available for accessory cards.	
	Keyboard	Note: Must specify one keyboard option.	
Opt. 011		Delete high-speed HP-IB; add 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 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.
Opt. 404††		162 Mbyte SCSI disk drive with HP-UX installed. Requires Option 011.	4,790.
Opt. 405††		323 Mbyte SCSI disk drive with HP-UX installed. Requires Option 011.	7,690.
Opt. 416**		Add one 8-plane frame buffer board	4,120.
Opt. 424**		Add two 8-plane frame buffer boards	8,240.
Opt. 608**		Add 8 accelerators for 3D solids and a full 16-bit Z-buffer (98732A)	17,000.
Opt. 616**		Add one 98722A frame buffer card (for a total of 16 planes of frame buffer memory), 3 accelerators for 3D solids and a full 16-bit Z-buffer (98732A)	21,000.
Opt. 624**		Add two 98722A frame buffer cards (for a total of 24 planes of frame buffer memory, 3 accelerators for 3D solids and a full 16-bit Z-buffer (98732A), Starbase Display List (98674L, 98674B), and Starbase Radiosity and Ray Tracing Libraries (98885A and 98885L).	25,000.
Opt. 716		Substitute 16-inch monitor (98789A) for 19-inch monitor (98752A)	-3,125.

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

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

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

†† Options 404 and 405 cannot be ordered concurrently

Series 800 Superworkstations

Product No./ Option No.	Component	Description	Price
A1008A		Model 825CHX 2D Graphics Superworkstation. Pre-configured system consisting of: Model 825S SPU (does not include the 98196A 6-channel MUX**) plus: LAN/9000 Series 800 Link†† ARPA Services/800 NS/9000 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. Starbase Graphics Library X Window System 2D high-resolution graphics subsystem with 8-plane frame buffer and two overlay planes. Integer-based graphics accelerator 19-inch color monitor (1280 x 1024) HP-HIL 2-button Mouse 2.4m HP-HIL Extension with audio HP-HIL ID Module <i>Note: Must specify one keyboard option</i> <i>Note: Must order either Opt. AA0 or AA1 below.</i>	\$42,500.
	A1004A		
	91786B		
	91787A		
	50981A		
	92452A		
	92445A		
	B1155A		
	A1020H		
	98556A		
	98752A		
	46060A		
	46081A		
	46084A		
	Keyboard		
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. 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.
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 two A1037A 16 Mbyte ECC RAM boards 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. 0E1		Add A1014A powerfail battery backup system	4,500.
Opt. 0HJ†		Return of HP 9020A/B	-4,260.
Opt. 0HK†		Return of HP 9020C	-6,585.
Opt. 0HL†		Return of HP 9030A	-2,425.
Opt. 0HM†		Return of HP 9040A	-2,475.
Opt. 0HN†		Return of HP 9050A	-2,115.

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

† Must be ordered concurrently with the A1008A. Consult your HP sales representative for details.

†† For StarLAN, do not specify a MAU option, and order a 28664A Twisted-Pair MAU standalone product.

** The A1004A SPU includes the 98196A 6-channel MUX, however, the A1008A Superworkstation does not.

*** Options 003 and 004 cannot be ordered concurrently.

Series 800 Superworkstations (Contd.)

Product No./ Option No.	Component	Description	Price
A1005A		Model 825SRX Solid Rendering Superworkstation. Pre-configured system consisting of: Model 825S SPU (does not include the 98196A 6-channel MUX**) plus: LAN/9000 Series 800 Link†† NS/9000 ARPA Services/800 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™ 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 Frame Buffer Board 98290A RGB cable 98752A 19-inch color monitor (1280 x 1024) 46060A HP-HIL 2-button Mouse 46081A 2.4m HP-HIL Extension with audio 46084A HP-HIL ID Module Keyboard Note: Must specify one keyboard option Note: Must order either Opt. AA0 or AA1 below.	\$56,500.
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. 001		Add A1009A 2 Mbyte ECC RAM board	3,500.
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. 016***		Add one 8-plane frame buffer board and one power supply for a total of 16 planes of frame buffer memory. Cannot be ordered concurrently with Opt. 024 or 032.	4,000.
Opt. 024***		Add two 8-plane frame buffer boards and one power supply for a total of 24 planes of frame buffer memory. Cannot be ordered concurrently with Opt. 016 or 032.	8,000.
Opt. 032***		Add three 8-plane frame buffer boards and one power supply for a total of 32 planes of frame buffer memory. Cannot be ordered concurrently with Opt. 016 or 024.	12,000.
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 16 Mbyte ECC RAM board	16,000.
Opt. 531*		Substitute two A1037A 16 Mbyte ECC RAM boards 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. 0E1		Add A1014A powerfail battery backup system	4,500.
Opt. 0HJ†		Return of HP 9020A/B	-5,680
Opt. 0HK†		Return of HP 9020A	-8,780.
Opt. 0HL†		Return of HP 9030A	-3,230.
Opt. 0HM†		Return of HP 9040A	-3,430.
Opt. 0HN†		Return of HP 9050A	-2,820.

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

† Must be ordered concurrently with A1005A. Consult your HP sales representative for details.

†† For StarLAN, do not specify a MAU option, and order a 28664A Twisted-Pair MAU standalone product.

** The A1004A SPU includes the 98196A 6-channel MUX, however, the A1005A Superworkstation does not.

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

††† Options 003 and 004 cannot be ordered concurrently.

Series 800 Superworkstations (cont'd)

Product No./ Option No.	Component	Description	Price
A1050A		Model 835CHX 2D Graphics Superworkstation. Pre-configured system consisting of: Model 835S SPU (does not include the 98186A 6-channel MUX**) plus: LAN/9000 Series 800 Link†† NS/9000 ARPA Services/800 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. Starbase Graphics Library X Window System 2D high-resolution graphics subsystem with 8-plane frame buffer and two overlay planes. Integer-based graphics accelerator 19-inch color monitor (1280 x 1024) HP-HIL 2-button Mouse 2.4m HP-HIL Extension with audio HP-HIL ID Module Note: Must specify one keyboard option Note: Must order either Opt. AA0 or AA1 below.	\$59,500.
	A1035A		
	91786B		
	91787A		
	50981A		
	92452A		
	92445A		
	B1155A		
	A1020H		
	98556A		
	98752A		
	46060A		
	46081A		
	46084A		
	Keyboard		
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. 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.
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 two A1037A 16 Mbyte ECC RAM boards 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. 0E1		Add A1014A powerfail battery backup system	4,500.
Opt. 0HJ†		Return of HP 9020A/B	-5,680.
Opt. 0HK†		Return of HP 9020C	-8,780.
Opt. 0HL†		Return of HP 9030A	-3,230.
Opt. 0HM†		Return of HP 9040A	-3,430.
Opt. 0HN†		Return of HP 9050A	-2,820.

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

† Must be ordered concurrently with the A1050A. Consult your HP sales representative for details.

†† For StarLAN, do not specify a MAU option, and order a 28664A Twisted-Pair MAU standalone product.

** The A1035A SPU includes the 98196A 6-channel MUX, however, the A1050A Superworkstation does not.

*** Options 003 and 004 cannot be ordered concurrently.

Series 800 Superworkstations (cont'd)

Product No./ Option No.	Component	Description	Price
A1045A		Model 835SRX Solid Rendering Superworkstation. Pre-configured system consisting of:	\$69,500.
	A1035A	Model 835S SPU (does not include the 98196A 6-channel MUX**) plus:	
	91786B	LAN/9000 Series 800 Link††	
	91787A	NS/9000	
	50981A	ARPA Services/800	
	92452A	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	
	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	Frame Buffer Board	
	98752A	19-inch color monitor (1280 + 1024)	
	46060A	HP-HIL 2-button Mouse	
	46081A	2.4m HP-HIL Extension with audio	
	46084A	HP-HIL ID Module	
	Keyboard	<i>Note: Must specify one keyboard option</i>	
		<i>Note: Must order either Opt. AA0 or AA1 below.</i>	
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. 016***		Add one 8-plane frame buffer board and one power supply for a total of 16 planes of frame buffer memory. Cannot be ordered concurrently with Opt. 024 or 032.	4,000.
Opt. 024***		Add two 8-plane frame buffer boards and one power supply for a total of 24 planes of frame buffer memory. Cannot be ordered concurrently with Opt. 016 or 032.	8,000.
Opt. 032***		Add three 8-plane frame buffer boards and one power supply for a total of 32 planes of frame buffer memory. Cannot be ordered concurrently with Opt. 016 or 024.	12,000.
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 two A1037A 16 Mbyte ECC RAM boards 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. 0E1		Add A1014A powerfail battery backup system	4,500.
Opt. 0HJ†		Return of HP 9020A/B	-7,100.
Opt. 0HK†		Return of HP 9020C	-10,975.
Opt. 0HL†		Return of HP 9030A	-4,040.
Opt. 0HM†		Return of HP 9040A	-4,290.
Opt. 0HN†		Return of HP 9050A	-3,525.

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

† Must be ordered concurrently with the A1045A. Consult your HP sales representative for details.

†† For StarLAN, do not specify a MAU option, and order a 28664A Twisted-Pair MAU standalone product.

** The A1035A SPU includes the 98196A 6-channel MUX, however, the A1045A Superworkstation does not.

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

††† Options 003 and 004 cannot be ordered concurrently.

Series 800 Superworkstations (cont'd)

Product No./ Option No.	Component	Description	Price
A1055A		Model 835 TurboSRX Solid Rendering Superworkstation. Pre-configured system consisting of: Model 835S (does not include the 98196A 6-channel MUX**) SPU plus: LAN/9000 Series 800 Link†† NS/9000 ARPA Services/800 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 A1017A Display Controller Interface 98730A TurboSRX display controller (with no accelerators) with 8-plane frame buffer and four overlay planes. 98752A 19-inch color monitor (1280 x 1024) 46060A HP-HIL 2-button Mouse 46081A 2.4m HP-HIL Extension with audio 46084A HP-HIL ID Module Keyboard Note: Must specify one keyboard option Note: Must order either Opt. AA0 or AA1 below.	\$63,500.
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. 416***		Add one frame buffer card for a total of 16 planes of frame buffer memory. (Cannot order more than one of the following options: 416, 424, 608, 616 and 624.)	4,000.
Opt. 424***		Add two frame buffer cards for a total of 24 planes of frame buffer memory. (Cannot order more than one of the following options: 416, 424, 608, 616 and 624.)	8,000.
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 two A1037A 16 Mbyte ECC RAM boards for A1010A 8 Mbyte ECC RAM board. (Total system RAM = 32 Mb)	18,000.
Opt. 608***		Add three accelerators for 3D solid rendering and a full 16-bit Z-buffer. (Cannot order more than one of the following options: 416, 424, 608, 616 and 624)	17,000.
Opt. 616***		Add one frame buffer card (for a total of 16 planes of frame buffer memory), three accelerators for 3D solid rendering and a full 16-bit Z-buffer. (Cannot order more than one of the following options: 416, 424, 608, 616 and 624)	21,000.
Opt. 624***		Add two frame buffer cards (for a total of 24 planes of frame buffer memory), three accelerators for 3D solid rendering and a full 16-bit Z-buffer. (Cannot order more than one of the following options: 416, 424, 608, 616 and 624)	25,000.
Opt. 716		Substitute 98789A 16-inch color monitor for 98752A 19-inch color monitor	-3,125.
Opt. 747		Replace the A1017A standard graphics interface with the A1047A graphics animation interface	4,100.
Opt. 0E1		Add A1014A powerfail battery backup system	4,500.
Opt. 0HJ††		Return of HP 9020A/B	-7,100.
Opt. 0HK††		Return of HP 9020C	-10,975.
Opt. 0HL††		Return of HP 9030A	-4,040.
Opt. 0HM††		Return of HP 9040A	-4,290.
Opt. 0HN††		Return of HP 9050A	-3,525.

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

† Must be ordered concurrently with the A1055A. Consult your HP sales representative for details.

†† For StarLAN, do not specify a MAU option, and order a 28664A Twisted-Pair MAU standalone product.

** The A1035A SPU includes the 98196A 6-channel MUX however, the A1055A Superworkstation does not.

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

††† Options 003 and 004 cannot be ordered concurrently.

Series 800 Superworkstations (cont'd)

Product No./ Option No.	Component	Description	Price
A1055A		Model 835 TurboSRX Animation Superworkstation. Must specify Opt. 747.	\$63,500.
Opt. 747		Additional second seat interface must be ordered separately, see A1048A. Replace the A1017A standard graphics interface with the A1047A graphics animation interface Pre-configured system consisting of: Model 835S (does not include the 98196A 6-channel MUX**) SPU plus: LAN/9000 Series 800 Link† NS/9000 ARPA Services/800 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.	4,100.
	A1035A		
	91786B		
	91787A		
	50981A		
	92452A		
	92445A	Starbase Graphics Library	
	B1155A	X Window System	
	A1017A	Display Controller Interface	
	98730A	TurboSRX display controller (with no accelerators) with 8-plane frame buffer and four overlay planes.	
	98752A	19-inch color monitor (1280 x 1024)	
	46060A	HP-HIL 2-button Mouse	
	46081A	2.4m HP-HIL Extension with audio	
	46084A	HP-HIL ID Module	
	Keyboard	Note: Must specify one keyboard option Note: Must order either Opt. AA0 or AA1 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. 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. 416***		Add one frame buffer card for a total of 16 planes of frame buffer memory. (Cannot order more than one of the following options: 416, 424, 608, 616 and 624.)	4,000.
Opt. 424***		Add two frame buffer cards for a total of 24 planes of frame buffer memory. (Cannot order more than one of the following options: 416, 424, 608, 616 and 624.)	8,000.
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 two A1037A 16 Mbyte ECC RAM boards for A1010A 8 Mbyte ECC RAM board. (Total system RAM = 32 Mb)	18,000.
Opt. 608***		Add three accelerators for 3D solid rendering and a full 16-bit Z-buffer. (Cannot order more than one of the following options: 416, 424, 608, 616 and 624)	17,000.
Opt. 616***		Add one frame buffer card (for a total of 16 planes of frame buffer memory), three accelerators for 3D solid rendering and a full 16-bit Z-buffer. (Cannot order more than one of the following options: 416, 424, 608, 616 and 624)	21,000.
Opt. 624***		Add two frame buffer cards (for a total of 24 planes of frame buffer memory), three accelerators for 3D solid rendering and a full 16-bit Z-buffer. (Cannot order more than one of the following options: 416, 424, 608, 616 and 624)	25,000.
Opt. 716		Substitute 98789A 16-inch color monitor for 98752A 19-inch color monitor	-3,125.
Opt. 0E1		Add A1014A powerfail battery backup system	4,500.
Opt. 0HJ†		Return of HP 9020A/B	-7,100.
Opt. 0HK†		Return of HP 9020C	-10,975.
Opt. 0HL†		Return of HP 9030A	-4,040.
Opt. 0HM†		Return of HP 9040A	-4,290.
Opt. 0HN†		Return of HP 9050A	-3,525.

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

† Must be ordered concurrently with the A1055A. Consult your HP sales representative for details.

†† For StarLAN, do not specify a MAU option, and order a 28664A Twisted-Pair MAU standalone product.

** The A1035A SPU includes the 98196A 6-channel MUX however, the A1055A Superworkstation does not.

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

††† Options 003 and 004 cannot be ordered concurrently.

Series 300 Instrument Controllers

Model PC-305, PC-308, PC-312, and PC-315 Instrument Controllers

The PC-305, 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.

Product/ Opt. No.	Component	Description	Price
82316D		PC-305M BASIC Controller HP Vectra CS SPU, 8086-compatible, 7.16 MHz. Includes 640 Kbytes RAM, single 1.44 Mbytes, 3 1/2-inch microfloppy disk drive, Vectra CS PC Kit with AT2/DIN keyboard, Vectra CS manuals, serial/parallel interface, Getting Started manual with 3 1/2-inch installation disk.	\$4,300.
	D1180A	Video Graphics Adapter	
	82300B	BASIC Language Processor Card (512 Kbytes RAM, HP-IB interface) and BASIC 5.1 (single 1.44 Mbytes 3 1/2 inch disk, overlays, Programmer's Reference Guide, BASIC Reference Manual)	
	82304B	BASIC 5.0 ROM and Installation Guide	
	45951E	Vectra Disk Operating System with MS-DOS 3.3, Personal Applications Manager, File Manager and Utilities, 3 1/2-inch disks <i>Note: Must order Option 001, 002 or 003; options cannot be ordered concurrently.</i>	
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
Opt. W03		Convert 1-year return-to-HP warranty to 90-day on-site warranty	N/C
		Localized options include power cords, monitors, PC kits and MS-DOS. Order using the appropriate product number below and the appropriate option number above.	
82316DB		Euro English	4,300.
82316DD		German	4,300.
82316DE		European Spanish	4,300.
82316DF		European French	4,300.
82316DK		ICON	4,300.
82316DS		Swedish	4,300.
82316DU		U.K. English	4,300.
82316DX		Finnish	4,300.
82316DZ		Italian	4,300.

* IBM is a registered trademark of International Business Machines Corporation.

Model PC-305, PC-308, PC-312, and PC-315 Instrument Controllers (cont'd)

Product/ Opt. No.	Component	Description	Price
82317D		PC-305ML BASIC Controller HP Vectra CS SPU, 8086-compatible, 7.16 MHz. Includes 640 Kbytes RAM, single 1.44 Mbytes 3 1/2-inch microfloppy disk drive, 20Mbytes hard disk drive, Vectra CS PC Kit with AT2/DIN keyboard, Vectra CS manuals, serial/parallel interface, Getting Started manual with 3 1/2-inch installation disk.	\$4,855.
	D1180A	Video Graphics Adapter	
	82300B	BASIC Language Processor Card (512 Kbytes RAM, HP-IB interface) and BASIC 5.1 (single 3 1/2-inch, 1.44 Mbytes, overlays, Programmer's Reference Guide, BASIC Reference Manual)	
	82304B	BASIC 5.0 ROM and Installation Guide	
	45951E	Vectra Disk Operating System with MS-DOS 3.3, Personal Applications Manager, File Manager and Utilities, 3 1/2-inch disks	
		<i>Note: Must order Option 001, 002 or 003; options cannot be ordered concurrently.</i>	
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
Opt. W03		Convert 1-year return-to-HP warranty to 90-day on-site warranty	N/C
		Localized options include power cords, monitors, PC kits and MS-DOS. Order using the appropriate product number below and the appropriate option number above.	
82317DB		Euro English	4,855.
82317DD		German	4,855.
82317DE		European Spanish	4,855.
82317DF		European French	4,855.
82317DK		ICON	4,855.
82317DS		Swedish	4,855.
82317DU		U.K. English	4,855.
82317DX		Finnish	4,855.
82317DZ		Italian	4,855.

Model PC-305, PC-308, PC-312, and PC-315 Instrument Controllers (cont'd)

Product/ Opt. No.	Component	Description	Price
82315E		PC-308CL BASIC Controller HP Vectra ES/12 SPU, Intel 80286, 12 MHz. Includes 640 Kbytes RAM, single 1.44 Mbytes, 3 1/2-inch microfloppy disk drive, 20 Mbytes hard 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.	\$6,395.
	D1182A	Video Graphics Color Display	
	D1180A	Video Graphics Adapter	
	82959S	Tilt/Swivel Base	
	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
		Localized options include power cords, monitors, PC kits and MS-DOS. Order using the appropriate product number below.	
82315EB		Euro English	6,395.
82315ED		German	6,395.
82315EE		European Spanish	6,395.
82315EF		European French	6,395.
82315EK		ICON	6,395.
82315ES		Swedish	6,395.
82315EU		U.K. English	6,395.
82315EX		Finnish	6,395.
82315EZ		Italian	6,395.
82319E		PC-308CM BASIC Controller HP Vectra ES/12 SPU, Intel 80286, 12 MHz. Includes 640 Kbytes RAM, single 1.44 Mbytes, 3 1/2-inch 1.44 Mbytes microfloppy disk drive, 40 Mbytes hard 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.	6,795.
	D1182A	Video Graphics Color Display	
	D1180A	Video Graphics Adapter	
	82959S	Tilt/Swivel Base	
	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
		Localized options include power cords, monitors, PC kits and MS-DOS. Order using the appropriate product number below.	
82319EB		Euro English	6,795.
82319ED		German	6,795.
82319EE		European Spanish	6,795.
82319EF		European French	6,795.
82319EK		ICON	6,795.
82319ES		Swedish	6,795.
82319EU		U.K. English	6,795.
82319EX		Finnish	6,795.
82319EZ		Italian	6,795.

Model PC-305, PC-308, PC-312, and PC-315 Instrument Controllers (cont'd)

Product/ Opt. No.	Component	Description	Price
82314E		PC-308ML BASIC Controller HP Vectra ES/12 SPU, Intel 80286, 12 MHz. Includes 640 Kbytes RAM, single 1.44 Mbytes, 3 1/2-inch microfloppy disk drive, 20 Mbytes hard 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.	\$5,895.
	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	
		Note: Must order Option 001, 002 or 003; options cannot be ordered concurrently.	
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
Opt. W03		Convert 1-year return-to-HP warranty to 90-day on-site warranty	N/C
		Localized options include power cords, monitors, PC kits and MS-DOS. Order using the appropriate product number below and the appropriate option number above.	
82314EB		Euro English	5,895.
82314ED		German	5,895.
82314EE		European Spanish	5,895.
82314EF		European French	5,895.
82314EK		ICON	5,895.
82314ES		Swedish	5,895.
82314EU		U.K. English	5,895.
82314EX		Finnish	5,895.
82314EZ		Italian	5,895.
82332E		PC-312CL BASIC Controller HP Vectra QS/16S SPU, 80386SX micorprocessor, 16 MHz. Includes 1 Mbyte RAM, 1.44 Mbyte 3 1/2-inch microfloppy disk drive, 40 Mbyte hard disk drive, serial/parallel interface. Manuals and MS-DOS software.	7,595.
	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	
		Localized options include power cords, monitors, PC kits and MS-DOS. Order using the appropriate product number below and the appropriate option number above.	
82332EB		Euro English	7,595.
82332ED		German	7,595.
82332EE		European Spanish	7,595.
82332EF		European French	7,595.
82332EK		ICON	7,595.
82332ES		Swedish	7,595.
82332EU		U.K. English	7,595.
82332EX		Finnish	7,595.
82332EZ		Italian	7,595.

Model PC-305, PC-308, PC-312, and PC-315 Instrument Controllers (cont'd)

Product/ Opt. No.	Component	Description	Price
82333E		PC-312CM BASIC Controller HP Vectra QS/20 SPU, Intel 80386, 20 MHz. Includes 1 Mbyte RAM, 3 1/2-inch 1.44 Mbytes microfloppy disk drive, 40 Mbytes hard disk drive, Vectra QS/20 PC Kit with AT2/DIN keyboard, Vectra QS/20 manuals, serial/parallel interface, Getting Started manual with 3 1/2-inch installation disks.	\$9,195.
	D1182A	Video Graphics Color Display	
	D1180A	Video Graphics Adapter	
	82959S	Tilt/Swivel Base	
	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
		Localized options include power cords, monitors, PC kits and MS-DOS. Order using the appropriate product number below and the appropriate option number above.	
82333EB		Euro English	9,195.
82333ED		German	9,195.
82333EE		European Spanish	9,195.
82333EF		European French	9,195.
82333EK		ICON	9,195.
82333ES		Swedish	9,195.
82333EU		U.K. English	9,195.
82333EX		Finnish	9,195.
82333EZ		Italian	9,195.
82334E		PC-315CN BASIC Controller HP Vectra RS/25C SPU, 80386S microprocessor, 25 MHz. Includes 1 Mbyte RAM, 1.44 Mbyte 3 1/2-inch microfloppy disk drive, 1.2 Mbyte 5 1/4-inch floppy disk drive, 103 Mbyte hard disk drive, serial/parallel interface, manuals, and MS-DOS software.	13,295.
	D1182A	VGA Color Display	
	D1180A	Video Graphics Adapter	
	82959S	Tilt/Swivel Base	
	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.	
		Localized options include power cords, monitors, PC kits and MS-DOS. Order using the appropriate product number below and the appropriate option number above.	
82334EB		Euro English	13,295.
82334ED		German	13,295.
82334EE		European Spanish	13,295.
82334EF		European French	13,295.
82334EK		ICON	13,295.
82334ES		Swedish	13,295.
82334EU		U.K. English	13,295.
82334EX		Finnish	13,295.
82334EZ		Italian	13,295.

Model 310 Instrument Controllers

Product/ Opt. No.	Component	Description	Price
98581B		Model 310CMA Color Instrument Controller	\$9,920.
	98561A	Model 310 SPU plus:	
	98543A	Medium-resolution Color Graphics Board with RGB cable	
	35741A	12-inch Medium-resolution Color Monitor (512 x 400)	
	98616A	BASIC Language System software on 3 1/2-inch microfloppy disks	
	Opt. 044		
	Keyboard	<i>Note: Must specify one keyboard option.</i>	
		<i>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.</i>	
		<i>Note: Two DIO I/O and two DIO Accessory slots are available.</i>	
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.
98580B		Model 310MMA Monochrome Instrument Controller	6,800.
	98561A	Model 310 SPU plus:	
	35731A	12-inch Medium-resolution Monochrome Monitor (512 x 400)	
	98616A	BASIC Language System software on 3 1/2-inch microfloppy disks	
	Opt. 044		
	Keyboard	<i>Note: Must specify one keyboard option.</i>	
		<i>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.</i>	
		<i>Note: Two DIO I/O and two DIO Accessory slots are available.</i>	
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. 002		Substitute Mbyte (512 Kbytes) on-board RAM for standard 1 Mbyte.	-900.
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 330 Instrument Controller

Product/ Opt. No.	Component	Description	Price
98581S		Model 330CMA Color Instrument Controller	\$18,370.
	98562A	Model 330 SPU plus:	
	● Opt. 006	98242B 2-slot DIO Backplane	
	● Opt. 010	98262A High-speed HP-IB Disk Interface	
	98543A	Medium-resolution Color Graphics Board with RGB cable	
	35741A	12-Inch Medium-resolution Color Monitor (512 x 400)	
	98616A	BASIC Language System software on 3 1/2-inch microfloppy disks	
	Opt. 044		
	Keyboard	<i>Note: Must specify one keyboard option.</i>	
		<i>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.</i>	
		<i>Note: One DIO I/O and one DIO Accessory slot are available.</i>	
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. 613		Delete BASIC Language System	-450.
Opt. 100		Delete manuals.	-90.
Opt. W03		Convert 1 year return-to-HP warranty to 90-day on-site warranty	N/C
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. 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. 05G		European French version without keyboard; 220V	-210.
Opt. 05H		ICON/European English version without keyboard; 220V	-210.
Opt. 05I		Latin Spanish version without keyboard; 120V	-210.
Opt. 05J		Italian version without keyboard; 220V	-210.

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

Model 330 Instrument Controller (cont'd)

Product/ Opt. No.	Component	Description	Price
98580S		Model 330MMA Monochrome Instrument Controller	14,810.
	98562A	Model 330 SPU plus:	
	• Opt. 006	98242B 2-slot DIO Backplane	
	• Opt. 010	98262A High-speed HP-IB Disk Interface	
	98542A	Medium-resolution Monochrome Graphics Board	
	35731A	12-inch Medium-resolution Monochrome Monitor (512 x 400)	
	98616A	BASIC Language System software on 3 1/2-inch microfloppy disks	
	Opt. 045		
	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.	
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
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.

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

Model 332 Instrument Controllers

Product/ Opt. No.	Component	Description	Price
98581C		Model 332CMA Color Instrument Controller	\$8,870.
	98572A	Model 332 SPU plus:	
	Opt. 003	Delete monochrome graphics	
	98543A	Medium-resolution color graphics board with RGB cable(512 by 400)	
	35741A	12-inch Medium-resolution color monitor	
	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.	
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. 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 or later.	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. 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.
Opt. 05Z		Italian version without keyboard; 220V	-210.
98581CX		Model 332 CMAX Color HP BASIC/UX Instrument Controller	12,500.
	98572A	Model 332 SPU plus:	
	Opt. 104	4 MB RAM	
	Opt. 882	MC68882 Floating Point Coprocessor	
	98549A	1024 x 768 Color Graphics Board	
	98785A	16" Color Monitor	
	46060A	HP-HIL 2-button Mouse	
	46081A	Buffer Box with Speaker	
	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 I/O and two DIO Accessory slots are available.	
Opt. 100		Delete all media and documentation	-500.
Opt. 108		Add 4 MB RAM for a total of 8 MB	4,000.
Opt. 402		512 MB 7958B Disk Drive with all system software installed, high speed HP-IB disk interface (recommended for development systems)	5,450.
Opt. 403		304 MB 7959B Disk Drive with all system software installed, high speed HP-IB disk interface (recommended for development systems)	8,400.

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

Model 332 Instrument Controllers (cont'd)

Product/ Opt. No.	Component	Description	Price
98580C		Model 332MMA Monochrome Instrument Controller	6,080.
	98572A	Model 332 SPU plus:	
	35731A	12-inch Medium-resolution monochrome monitor	
	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.	
Opt. 008		Add 98546A Display Compatibility Interface	875.
Opt. 042		Substitute BASIC software on 5 1/4-inch 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.	2,500.
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 or later.	450.
Opt. 882		Add 98284A MC68882 Floating Point Co-processor, 16.7 MHz.	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. 05H		ICON/European English version without keyboard; 220V	-210.
Opt. 05I		Latin Spanish version without keyboard; 120V	-210.
Opt. 05J		Italian version without keyboard; 220V	-210.
98580CX		Model 332MMAX Monochrome HP BASIC/UX Instrument Controller	9,500.
	98572A	Model 332 SPU plus:	
	Opt. 104	4 MB RAM	
	Opt. 544	1024 x 768 Monochrome Graphics Interface	
	Opt. 882	MC68882 Floating Point Coprocessor	
	98786A	17" Monochrome Monitor	
	46060A	HP-HIL 2-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 I/O and two DIO Accessory slots are available.	
Opt. 003		Delete high resolution graphics interface and monitor, add 512 x 400 graphics interface and no monitor	-1,500.
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)	5,450.
Opt. 403		304 MB 7959B Disk Drive with all system software installed, high speed HP-IB disk interface (recommended for development systems)	8,400.

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

Model R/332 Instrument Controllers

Product/ Opt. No.	Component	Description	Price
	Display Disk drive 98616A Opt. 045 Keyboard	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) 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.	
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 Rack Mount Kit.	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.
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.

Model 360 Instrument Controllers

Product/ Opt. No.	Component	Description	Price
98581W		Model 360CMA Color Instrument Controller	\$14,900.
	98579A	Model 360 SPU plus:	
	• Opt. 006	98242B 2-slot DIO Backplane	
	• Opt. 010	98262A High-speed HP-IB Disk Interface	
	98543A	Medium-resolution Color Graphics Board with RGB cable	
	35741A	12-inch Medium-resolution Color Monitor (512 x 400)	
	98616A Opt. 045	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.	
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 or later.	450.
Opt. 05A		To delete keyboard, specify a delete keyboard option: 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.
98581WX		Model 360 CMAX Color HP BASIC/UX Instrument Controller	19,995.
	98579A	Model 360 SPU plus:	
	• Opt. 006	98242B 2-slot DIO Backplane	
	• Opt. 010	98262A High-speed HP-IB Disk Interface	
	98550A	1280 x 1024 Color Graphics Board	
	98789A	16" Color Monitor	
	46060A	HP-HIL 2-button Mouse	
	46081A	Buffer Box w/speaker	
	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.	
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)	4,775.
Opt. 403		304 MB 7959B Disk Drive	7,725.
Opt. 710		Substitute 1024 x 768 color graphics (98785A, 98549A) for 1280 x 1024 color graphics	-2,000.

* Opt. 108, 112 and 116 cannot be ordered concurrently. ** Must order Options 015 or 017; options cannot be ordered concurrently.

Model 360 Instrument Controllers (cont'd)

Product/ Opt. No.	Component	Description	Price
98580W		Model 360MMA Monochrome Instrument Controller	14,400.
	98579A	Model 360 SPU plus:	
	• Opt. 006	98242B 2-slot DIO Backplane	
	• Opt. 010	98262A High-speed HP-IB Disk Interface	
	98542A	Medium-resolution Monochrome Graphics Board	
	35731A	12-inch Medium-resolution Monochrome Monitor (512 x 400)	
	98616A Opt. 045	BASIC Language System software on 3 1/2-inch microfloppy disks	
	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 one DIO Accessory slot are available.	
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 versions of BASIC 5.0 or later.	450.
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. 05H		ICON/European English version without keyboard; 220V	-210.
Opt. 05I		Latin Spanish version without keyboard; 120V	-210.
Opt. 05J		Italian version without keyboard; 220V	-210.
98580WX		Model 360MAX Monochrome HP BASIC/UX Instrument Controller	16,665.
	98579A	Model 360 SPU plus:	
	• Opt. 006	98242B 2-slot DIO Backplane	
	• Opt. 010	98262A High-speed HP-IB Disk Interface	
	98544B	1024 x 768 Mono Graphics Board	
	98786A	17" Monochromatic Monitor	
	46060A	HP-HIL 2-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.	
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. 003		Delete graphics subsystem (98544B graphics board and 98786A monitor)	-1,500.
Opt. 402		152 MB 7958B Disk Drive with all system software installed (recommended for development systems)	4,775.
Opt. 403		304 MB 7959B Disk Drive with all system software installed (recommended for development systems)	7,725.

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

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

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	\$20,350.
Keyboard	7959B 9144A 98594L 98594A 98794A 46021A 92211R	Note: Must specify one localized version option Note: Must specify one HP-UX pre-load option (IAP, IAQ, IAR).	
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 98548 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.

Network Servers (cont'd)

Product/ Opt. No.	Component	Description	Price
98566F		Model 25NS Design Automation Network Server	\$56,300.
		Includes:	
	98579B	Model 370 SPU/ with 8 Mbytes ECC RAM	
	98570A	Direct Connect DIO II Expander	
	7937H	571-Mbytes Fixed Disk Drive	
	35401A	1/4-inch Tape Cartridge Autochanger	
	98594L	HP-UX License-to-Use AXE; PE; NS-ARPA, NFS Services/300; and X11	
	98594A	HP-UX Media and Documentation for 98594L; software on 1/4-inch tape cartridge	
	98794A	HP-UX Programmers Documentation Set	
	46021A	HP-HIL Keyboard	
	92211R	HP Design Plus Cabinet 1	
	19511R	Fixed Disk cabinet	
Keyboard		Note: Must specify one localized version option	
		Note: Must specify one HP-UX pre-load option (IAP, IAQ, IAR, IAS).	
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 98548 color graphics board, 98785 16-inch color monitor (1024 x 768), 46060A HP-HIL 2-button mouse, and 46084A HP-HIP 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 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

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 HP9000 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.	☐	MOD 15NS SERVER	98564F
		☐	MOD 25NS SERVER	98566F
3D Workstations*	Must order one 3D Workstation. Cannot exceed total of four.	☐	MOD 370TURBOSRX	98587H
		☐	MOD 360TURBOSRX	98587T
		☐	MOD 370 SRX	98587G
2D Workstations*	Can order maximum of three 2D Workstations.	☐	MODEL 370 CH	98588G
		☐	MODEL 370C+	98583G
		☐	MODEL 370 MH	98589G
		☐	MODEL 360CH	98588W
		☐	MODEL 360C+	98583W
		☐	MODEL 360 MH	98589W
		☐	MODEL 340 CH	98564G
		☐	MODEL 340C+	98564C
		☐	MODEL 340MH	98563G
SPU Accessories*	Can order maximum of five SPU accessories.	☐	FLOAT PT ACC II	98248B
		☐	EXPANDER (DIOII)	98570A
		☐	8-SLOT EXPANDER	98568A

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

Series 300 Upgrades and Component Returns

Field Upgrades (SPU)

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.
98244B	Model 330 Field Upgrade to Model 370 Upgrade includes: • Model 370 processor board • 8 Mbyte parity RAM • High Speed HP-IB disk interface • 2 high system bus	16,800.
Opt. 0H0	Return credit for Model 330 processor board (Model 330 processor board must be returned to HP)	-2,000.
Opt. 001	Delete 8 Mbyte parity RAM	-8,000.
Opt. 002	Delete High Speed Disk HP-IB	-475.
Opt. 003	Substitute 3-high for 2-high system bus	N/C
Opt. 116	Add 8 Mbyte parity RAM	9,780.
Opt. 570	Add 98570A DIO-II expander	2,455.
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.
98258N	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.
98247C	Model 360 CPU Field Upgrade to Model 370. Model 360 processor board must be returned to HP. Upgrade includes: 98579-66515 Processor board 98258A/B 8 Mbyte parity RAM board pair 98262A High-Speed HP-IB Disk Interface	18,600.
Opt. 001	Deletes 98258A and 98258B RAM boards to allow for conversion to ECC RAM.	-8,050.
Opt. 002	2-high System bus	-475.
	Delete 98262A High-Speed HP-IB Disk Interface. Allows re-use of previously owned 98262A. (Model 350 requires High-Speed HP-IB Disk Interface.)	
Opt. 003	(Model 350 requires High-Speed HP-IB Disk Interface.)	N/C
Opt. 011	Substitute 3-high for 2-high system bus	150.
Opt. 116	Substitute SCSI interface 98265A for HP-IB 98262A	9,500.
Opt. 570	Add 8 Mbyte Parity-Checking RAM (for a total of 16 Mbytes RAM) Add 98570A Direct Connect DIO Expander	2,385.
98267AN	Return credit for 4 Mbytes RAM 98267A	-1,000.
98267BN	Return credit for 8 Mbytes RAM 98267B	-2,000.
98267CN	Return credit for 12 Mbytes RAM 98267C	-3,000.

* 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.

† 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.

Field Upgrades (cont'd)

Product/ Opt. No.	Description	Price
Note: Replaced SPU, Expander, interfaces and accessories must be returned to HP for proper credit.		
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 SPU	-300.
98620N**	Return credit for returning DMA board from the Model 310 SPU when upgrading to a Model 332 SPU	-100.
98635N**	Return credit for returning the Floating Point Accelerator board from the Model 310 SPU when upgrading to a Model 332 SPU	-200.
SPU Only Trade-In Products		
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.
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.
RAM and I/O Trade-In Products		
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.
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 purchase 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.

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

† May only be ordered with 98243C, option 104. Maximum of two per 98243C.

** May only be ordered with 98243C.

Boot ROM/Processor Board Updates

Product/ Opt. No.	Description	Price
98563-67001	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. Model 310 systems with serial number prefixes prior to 2751Axxxx, 2801Gxxxx, or 2751Jxxxx Model 320 systems with serial number prefixes prior to 2752Axxxx, 2801Gxxxx, or all xxxJxxxx Model 330 systems with serial number prefixes prior to 2740Axxxx, 2752Gxxxx, or 2740Jxxxx Model 350 systems with serial number prefixes prior to 2747Axxxx, 2801Gxxxx, or 2747Jxxxx 98243A/B Model 310 to Model 320 Field Upgrade which included a 98561-66516 processor board Note: The Boot ROM must be installed by HP qualified personnel. Installation assistance may be purchased separately. 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.	\$85.
98562-69013	Model 330 Processor Board Update. Model 330 systems with serial number prefixes prior to 2740Axxxx, 2801Gxxxx, or 2740Jxxxx 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.	1,500.
98562-69517	Model 350 Processor Board Update. Model 350 systems with serial number prefixes prior to 2747Axxxx, 2801Gxxxx, or 2747Jxxxx 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.	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	75,700.
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. OAB	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. OAC	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. OE4	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	59,200.
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. OAB	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. OAC	Delete 16- to 64-user HP-UX upgrade; do not specify media option.	-13,125.
Opt. OE4	Delete powerfail battery backup system	-5,000.
Opt. 517	Delete 8 Mbytes RAM	-8,000
Opt. 518	Delete 16 Mbytes RAM	-16,000.
A1118A	Model 850 to 855 CPU Upgrade. Product includes processor board and installation. Requires HP-UX 3.1 or later.	120,000.
Opt. 001	Credit when upgrading from Model 850 with optional floating point coprocessor (System Opt. 828 or product number A1108A)	-15,000.

Series 500 Component Returns

Must be ordered concurrently
with Series 800 pre-configured

system. Consult your HP Sales
Representative for details.



Product No./ Option No.	Description	Price
97040N	Return 97040A 256 Kbyte RAM board	\$-219.
97046N	Return two 97046A 1 Mbyte RAM boards	-1,750.
97047N	Return 97047A 512 Kbyte RAM board	-438.
97048N	Return 97048A 2 Mbyte RAM board	-1,750.

I/O and CPU Return Credits

Product No./ Option No.	Description	Price
27125AN	Return of 27125A/B LAN/500 Link	\$-640.
27110AN	Return of 27110A/B HP-IB Interface	-400.
27140AN	Return of 27140A/B Channel Multiplexer Interface	-600.
97049N	Return second or third IOP (97041A, 97042A, 97049A)	-505.
97043N	Return second or third CPU (97043A/B)	-1,125.
97098N	Return of 97098A I/O Expander	-940.

System Software Return Credits

Product No./ Option No.	Description	Price
97050N Opt. 0J0	Return 97050A/B BASIC Language System Credit for M/R version	\$-2,500. 1,285.
97052N Opt. 0J0	Return 97052A/B 2D/3D Graphics Credit for M/R version	-1,200. 620.
97079N	Return HP-UX single-user (97070C, 97079C)	-2,020.
97089N	Return HP-UX 1-16 user (97080C, 97089C)	-5,000.
97057N	Return 97057A HP Windows/9000 single-user	-300.
97069N	Return 97069A HP Windows/9000 multi-user	-750.

HP 1000 Component Returns

Must be ordered concurrently with Series 800 pre-configured systems. Consult your HP Sales Representative for details.

Product No./ Option No.	Description	Price
2109N	Return of 2109E E-Series	\$-2,940.
2113N	Return of 2113E E-Series	-2,590.
2176N	Return of 2176E E-Series	-4,030.
2178N	Return of 2178E E-Series	-4,395.
2117N	Return of 2177F F-Series	-3,290.
2177N	Return of 2177F/E/C/F-Series	-5,495.
2179N	Return of 2179C/A F-Series	-5,075.
2196N	Return of 2196A/B/C/D A600	-4,060.
2486N	Return of 2486A A600	-2,500.
2156N	Return of 2156A/B A600	-1,900.
2436N	Return of 2436A/E A600	-1,400.
2197N	Return of 2197A/B/C/D A600	-6,000.
2487N	Return of 2487A A700	-3,275.
2137N	Return of 2137A A700	-2,455.
2437N	Return of 2437A A700	-2,200.
2199N	Return of 2199C/D A900	-6,280.
2489N	Return of 2489A A900	-4,305.
2139N	Return of 2139A A900	-4,160.
2439N	Return of 2439A A900	-3,300.

Memory Upgrade Products

Product No./ Option No.	Description	Price
12103AN	Return of 12103A 128 Kbyte A600/700	\$-250.
12103BN	Return of 12103B 256 Kbyte A600/700	-500.
12103CN	Return of 12103C 512 Kbyte A600/700	-750.
12103DN	Return of 12104D 1 Mbyte A600/700	-1,250.
12220AN	Return of 12220A 768 Kbyte A900	-2,000.
12221AN	Return of 12221A 3 Mbyte A900	-6,000.
12746HN Opt. 001	Return of 12746H 64 Kbyte E/F-Series Additional credit for 9741A purchase	-100. -395.
12747HN Opt. 001	Return of 12747H 128 Kbyte E/F-Series Additional credit for 9741A purchase	-250. -380.
12699HN Opt. 001	Return of 12699H 256 Kbyte E/F-Series Additional credit for 9741A purchase	-350. -435.
12749HN Opt. 001	Return of 12749H 512 Kbyte E/F-Series Additional credit for 9741A purchase	-750. -810.
12779HN Opt. 001	Return of 12779H 256 Kbyte CK BT E/F-Series Additional credit for 9741A purchase	-100. -320.
12780HN Opt. 001	Return of 12780H 512 Kbyte CK BT E/F-Series Additional credit for 9741A purchase	-250. -545.
12666HN Opt. 001	Return of 12666H 1 Mbyte CK BT E/F-Series Additional credit for 9741A purchase	-400. -540.

Interface Cards

Product No./ Option No.	Description	Price
12005BN	Return of 12005B Asynchronous Card (maximum +1)	\$-100.
12009AN	Return of 12009A HP-IB Interface Card (maximum +2)	-150.
12040CN	Return of 12040C 8-Channel Multiplexer (maximum +1)	-500.
12966AN	Return of 12966A Asynchronous E/F-Series (maximum +1)	-100.
12792AN	Return of 12792A 8-Channel Multiplexer E/F-Series (maximum +1)	-300.
12792BN	Return of 12792B 8-Channel Multiplexer E/F-Series (maximum +1)	-300.
12821AN	Return of 12821A HP-IB Interface Card E/F-Series (maximum +2)	-75.
13175BN	Return of 13175B Mac Disc E/F-Series (maximum +1)	-75.

PC Emulation Systems

Series 300

Product/ Opt. No.	Description	Price
98286A Opt. W03	Series 300 DOS Coprocessor Interface Card. For use with 98531A DOS Coprocessor Software. Convert 1 year return-to-HP warranty to 90-day on-site repair.	\$1,010. N/C
98286D	DOS Coprocessor Diskless Node Kit. Includes 98286A DOS Coprocessor interface card, License-to-Use 98531A DOS Coprocessor Software, and complete documentation kit. Requires one DIO I-based accessory slot and the current revision of HP-UX, minimum Application Execution Environment.	1,280.
Opt. 100 Opt. W03	Delete manuals. Convert 1 year return-to-HP warranty to 90-day on-site repair.	-100. N/C
98286S	DOS Coprocessor System. Includes a 98286A DOS Coprocessor interface card and 98531A DOS Coprocessor Software. Requires DIO I-based accessory slot and the latest version of HP-UX, minimum Application Execution Environment. (Must order one media option below.) The 9127A 5 1/4-inch disk drive and the D1387A 80287 numeric coprocessor are available, but must be ordered separately.	1,375. N/C
Opt. 022 Opt. W03	Software on 1/4-inch tape cartridge. Convert 1 year return-to-HP warranty to 90-day on-site repair.	
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 revision of HP-UX, minimum Application Execution Environment.	2,335. N/C
Opt. 022 Opt. W03	Software on 1/4-inch tape cartridge. Convert 1 year return-to-HP warranty to 90-day on-site repair.	
98531A	DOS Coprocessor Software. Includes media, license-to-use, and complete documentation. For use with DOS Coprocessor interface card. Requires latest revision of HP-UX, minimum Application Execution Environment. (Must order one media option below.)	N/C
Opt. 022	Software on 1/4-inch tape cartridge	525.
98531K	Series 300 DOS Coprocessor Documentation Kit for 98531A Software	155.
98870A Opt. 100	Software and manuals for 98870L. Software on 1/4-inch tape cartridge. Delete manuals.	150. -75.
98870L	SoftPC License-to-use. PC-XT emulation software for the Series 300.	700.
D1387A	80287 Numeric Coprocessor. For use on the Series 300 DOS Coprocessor Interface Card.	460.
9127A	360Kbytes Single 5 1/4-Inch Flexible Disk Drive (also supports HP 270 Kbytes format). For use with Series 300 DOS Coprocessor System.	1,090.

PC Emulation Software

Series 800

Description	Model/Product Number/Price		
	825/835	840	850/855
SoftPC®. Includes license and documentation. Requires latest version of HP-UX.	98876A \$1,275.	98877A \$1,960.	98878A \$2,750.
Opt. AA0 — S/W on 1/4" tape	N/C	N/C	N/C
Opt. AA1 — S/W on 1/2" tape	N/C	N/C	N/C
Right-to-copy SoftPC®. Requires prior or concurrent purchase of original product.	98876R 1,080.	98877R 1,670.	98878R 2,340.
Opt. 0B0 — Delete manuals.	-75.	-75.	-75..

VMEbus Connection

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.

HP 9000 Graphics Subsystems, Upgrades and Accessories

Graphics Boards

Product/Opt. No.	Description	Price
82328A**	Intelligent Graphics Controller Opt. ABA , 1024 x 768, 4-plane, for use with all PCs.	\$1,480.
82329A**	EGA Emulation Module provides EGA support for the 82329A.	415.
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. Medium-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 , 1024 x 768 (order 98751A or 98785A monitor)	4,785.
98548A*	High-resolution, High-performance Monochrome Graphics Board , 1280 x 1024 (order 98788A monitor)	2,290.
98549A*	High-resolution, High-performance Color Graphics Board , 1024 x 768, 6-plane (order 98751A or 98785A monitor)	4,635.
98550A*	High-resolution, High-performance Color Graphics Board , 1280 x 1024, 8 planes plus 2 overlay planes (order 98789A or 98752A monitor).	5,740.

* Not operational on Model 310.

** Must order one localized option (ABA, ABD or ABF).

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/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.

* 'B' versions are preset to local country power setting and have local product regulatory approval.

Graphics Accessories

Product/Opt. No.	Description	Price
98290A	3-meter RGB cable	\$190.
98556A	2D Integer-Based Graphics Accelerator. For use with HP 9000 workstations equipped with the 98550A (CH) or 98549A (C+) graphics boards. Model 330 and 350 systems shipped prior to 1 January 1988 require processor board exchange for use of HP 98556A graphics accelerator. Refer to "Boot ROM/Processor Updates" in this publication or Series 300 Hardware Technical Data, or contact your local HP service office to determine if this exchange is required.	6,250.
98720A	SRX 3D Display Controller. Includes four planes which are used as frame buffer if no other frame buffer boards are installed. When frame buffer boards are added, these planes become alpha overlay planes. Also included are a power cord and keyboard cable. Not included: RGB cable (98290A), Display Controller interface 98725A for Model 330/350, 360/370 or A1017A for Models 825/835), and monitor (98789A or 98752A).	4,610.
Opt. 721	Add graphics accelerator	4,160.
Opt. 722	Add eight planes frame buffer memory. Must order option 723, additional power supply for the second 98722A. (Maximum four Option 722 per 98720A).	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 below (maximum four 98722As per 98720A, three 98722As per 98730A).	4,000.
98723A	Additional Power Supply, required for use with a 16-, 24-, or 32-plane 98720A system, or when upgrading a 98730A system from 8 planes to any other configuration.	1,005.
98725A	16-bit Display Controller Interface to 98720A (for Models 330, 350, 360, and 370 only).	870.
98726A	32-bit Display Controller Interface to 98730A (for Models 350, 360, and 370 only).	870.
98730A	TurboSRX 3D Display Controller. For use with the Models 350, 360, 370, 825 and 835. Includes four overlay planes and eight planes of frame buffer memory. Also included are a power cord, RGB cable (98290A) and keyboard cable. Not included: 32-bit Display Controller Interface (98726A or A1017A for Models 825/835) and monitor (98789A or 98752A). A second 98723A power supply is included. Requires Boot ROM Rev. C1 or IODC ROM.	17,500.
Opt. 016	Add 1 frame buffer card for a total of 16 planes of graphics memory. Cannot be ordered concurrently with option 123 or 024.	4,000.
Opt. 024	Add 2 frame buffer cards for a total of 24 planes of graphics memory. Cannot be ordered concurrently with option 123 or 016.	8,000.
Opt. 060	Add 3D graphics accelerator and full 16-bit Z-buffer. Cannot be ordered concurrently with option 123.	21,000.
Opt. 123	Delete power supply for systems with 8 planes and no accelerator ONLY. Cannot be ordered concurrently with option 016, 024, or 060.	-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.

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 (cont'd)

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.	2,000.
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.
98752N	Return credit for 19-inch Color Monitor (98752A). 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.

* No return credit applies with purchase of 98285A.

HP-HIL Input Devices

For detailed information on model numbers and operating system revisions that support

these peripherals, please refer to the **HP 9000 Workstations Configuration Guide**,

Publication Number 5952-6342. All devices (except keyboard) include cable.

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.
46087B	HP-HIL Digitizer, ANSI A/ISO A4-size includes 3-button stylist	875.
Opt. 001	Add the 46089B 4-button Cursor with crosshair	290.
Opt. W03	Convert 1-year Return-to-HP warranty to 90-day on-site warranty	N/C
46088B	HP-HIL Digitizer, ANSI B/ISO A3-size includes 3-button stylist	1,405.
Opt. 001	Add the 46089B 4-button Cursor with crosshair	290.
Opt. W03	Convert 1-year Return-to-HP warranty to 90-day on-site warranty	N/C
46089B	4-button Cursor with crosshair for 46087B/88B	290.
Opt. W03	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	
36593A Opt. 003 Opt. 004	HP-UX Gateway/SNALink for Series 300 Gateway System RS-232C V.35		X	N/C \$6,490. 6,890.
50955A Opt. 042 Opt. 044	3278 Display Station Emulator (interface and software) Software on 5 1/4-inch floppy disk Software on 3 1/2-inch microfloppy disk		X	N/C 1,700. 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 Opt. 001 Opt. 002 Opt. 003 Opt. 004	16-bit GPIO Interface Card Add 4.6m unterminated cable (P/N 5061-4209) Add 0.8m terminated cable for 9885M Flexible Disk Drive (P/N 5061-4211) Add 4.6m terminated cable for 6940A/B Multiprogrammer (P/N 5061-4210) Add 2.5m terminated cable for 9866A/B Thermal Printer (P/N 5061-4212)		X	390. 111. 111. 145. 196.
98623A Opt. 001	43-line BCD Interface Card 4.6m unterminated cable (P/N 5061-4217)		X	425. 116.
98624A 10833A 10833B 10833C 10833D	HP-IB Interface standard speed 1m HP-IB cable 2m HP-IB cable 4m HP-IB cable 0.5m HP-IB cable		X	365. 80. 90. 100. 80.
98625B	HP-IB Disk Interface, high speed		X	830.
98626A Opt. 001 Opt. 002	RS-232C (Serial) Interface DTE (male) RS-232C cable (P/N 5061-4215) DCE (female) RS-232C cable (P/N 5061-4216)		X	415. 83. 83.
98627A	RGB Color Video Output Interface with cables		X	1,075.
98628A Opt. 001 Opt. 002 Opt. 003	Datacomm Interface, RS-423 and RS-232C DTE (male) RS-232C cable (P/N 5061-4215) DCE (female) RS-232C cable (P/N 5061-4216) DCE (female) RS-449/423 cable (P/N 5061- 4250)		X	540. 96. 96. 196.
98630A Opt. 001	Breadboard Interface Service Extender	X		340. 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 Opt. 001 Opt. 630 Opt. 655	7-channel Analog-to-Digital Interface Delete diagnostic software and test hood Diagnostic software on 3 1/2-inch microfloppy Diagnostic software on 5 1/4-inch floppy		X	1,100. -75. N/C N/C

Interface Products for Series 300 (cont'd)

Product/ Opt. No.	Description	DIO Slot		Price
		Accessory/ Memory	Interface	
98641A	RJE 2780/3780 Interface. For use with HP-UX and 50967A RJE software.		X	1,395.
Opt. 001	V.35		X	795.
98642A	4-port RS-232C Multiplexer		X	670.
Opt. 001	Delete all cables			-100.
98643A	LAN/300 Link with ThinMAU. For use with Models 310, 320, 332, and R/332, or for additional LAN interfaces. Requires 50952L/C.		X	1,445.
Opt. 241	Delete ThinMAU and BNC "T" connector			-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	1,230.
98691A	Programmable Datacomm Interface		X	725.
Opt. 001	DTE (male) RS-232C cable (P/N 5061-4215)			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.

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. 080	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. 080	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.
27116A	HP-CIO Service Extender card	450.
98196A	Asynchronous 6-channel CIO Multiplexer	2,675.
Opt. 080	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. 080	Delete manual and loopback connector	-25.
27140-60003	Test Hood	30.
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. 080	Delete manuals	-50.
Opt. OCC	Revision upgrade for users not on support services. Requires prior purchase of original product.	-1,500.

Series 800 I/O Cards (cont'd)

Product No./Option No.	Description	Price
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. OCC	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 and Language Systems

HP-UX Operating System

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

Product/Opt.	Description	Price
98594L	HP-UX Release 6.5 Software Bundle License-to-Use, 2 user. Includes AXE (98515L), PE (98957L), NS-ARPA (50952L), NFS (50969L); and X11. Media must be ordered separately.	\$1,170.
98594A	Media and documentation for 98594L. Requires prior or concurrent purchase of 98594L for 6.5. Must order Opt. 022 below.	
Opt. 022	<i>Note: 98594A does not include Programming Environment Documentation. Must order 98794A.</i> Software on 1/4-inch tape cartridge	475.
98515L	HP-UX Release 6.5 Application Execution Environment (AXE) License-to-Use, 2 user. Includes HP-UX kernel, HP Windows/9000, X11, Starbase Graphics Library, and PAM. 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 6.5.	
Opt. 022	Software on 1/4-inch tape cartridge	215.
98595L	HP-UX Release 6.5 Application Execution Environment (AXE) License-to-Use, 16 user. Includes HP-UX kernel, HP-Windows/9000, X11, Starbase Graphics Library, 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	-150.
98595B	Media and documentation for 98595L. Order media Opt. 022 below. Requires prior or concurrent purchase of 98595L for 6.5.	
Opt. 022	Software on 1/4-inch tape cartridge	215.
98596L	HP-UX Release 6.5 Application Execution Environment (AXE) License-to-Use, 32 user. Includes HP-UX kernel, HP-Windows/9000, X11, Starbase Graphics Library, 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	Media and documentation for 98596L. Order media Opt. 022 below. Requires prior or concurrent purchase of 98596L for 6.5.	
Opt. 022	Software on 1/4-inch tape cartridge	215.
98597L	HP-UX Release 6.5 Programming Environment (PE) License-to-Use. Requires Application Execution Environment. Includes commands, C compiler, MC680x0 assembler, symbolic debugger, X11 programming libraries, RS-232C data communications, device I/O library and Starbase Graphics Library. Media and documentation must be ordered separately.	705.
98597C	Media and documentation for 98597L. Order media Opt. 022 below. Requires prior or concurrent purchase of 98597L or 98594L for 6.5.	
Opt. 022	Software on 1/4-inch tape cartridge	585.

Documentation

Product/Opt. No.	Description	Price
98794A	HP-UX Programmer's Documentation Set. This documentation completes the set for the HP-UX 98594A/L products. Includes: HP-UX Reference Concepts and Tutorials: Text Editor Text formatters Programming Environment Device I/O Shells and Miscellaneous Tools Facilities for Series 300 Graphics Techniques UUCP Software Status Bulletin HP-UX Portability Guide HP-UX Assembler Reference A Book on C C Programmer's Manual Term 0 Reference HP Windows/9000 HP Windows/9000 Reference Windows/9000 to X Conversion Guide Programming with Xrlib Programming with Xwidget and Xtlib Programming with Xlib Starbase Device Drivers Starbase Reference Starbase C Pocket Reference Starbase Beginner's Guide Starbase Programming with X Windows Fast Alpha/Font Manager Programming Manual	\$485.
98594-87901	HP-UX Software Bundle Manual Kit for the System Administrator (order from DMK*). For HP-UX 6.5 or later versions. Includes: A Beginner's Guide to HP-UX A Beginner's Guide to Text Editing A Beginner's Guide to Shells A Beginner's Guide to X X Window C Quick Reference VI Quick Reference HP-UX Documentation Roadmap HP-UX Reference Peripheral Installation Guide HP-UX Installation Manual System Administration Manual Introduction to UNIX System V Using the X Window System Configuring the X Window System Using Network Services Using ARPA Services Installing and Maintaining NS-ARPA Using and Administering NFS Services Programming and Protocol for NFS Networking Overview Network Services Reference Pages ARPA/Berkley Reference Pages Networking Reference NFS Services Reference Pages Net IPC Programmer's Guide	350.

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

Documentation (cont'd)

Product/Opt. No.	Description	Price
98794-87901	HP-UX Manual Kit (order from DMK*). For HP-UX 6.0 or later versions. Includes binders and documentation as follows: HP-UX Reference Term Reference Peripheral Installation Guide HP-UX Portability Guide HP Windows/9000 Documentation HP Windows/9000 Reference Programming with the HP X Widgets and the X+ Intrinsic Programming with the Xlib User Interface Toolbox Programming with the Xlib User Interface Toolbox Configuring the X Window System on the Series 300 FORTRAN/9000 Reference Text Editors and Processor HP-UX Concepts and Tutorials Text Editors and Formatters HP-UX Concepts and Tutorials Programming Environment HP-UX Concepts and Tutorials Device I/O and User Interfacing HP-UX Concepts and Tutorials Shells and Miscellaneous Tools HP-UX Concepts and Tutorials Facilities for Series 200/300/500 HP-UX Concepts and Tutorials Application Execution Environment User's Guide HP-UX Installation Manual Starbase Device Drivers Library Manual Starbase C Pocket Reference Starbase FORTRAN Pocket Reference Starbase Pascal Pocket Reference Starbase Reference Starbase Graphics Techniques—HP-UX Concepts and Tutorials A Beginner's Guide to HP-UX A Beginner's Guide to the X System Quick Reference Guide Windows/9000 to X Conversion A Beginner's Guide to Text Editing A Beginner's Guide to Using Shells Quick Reference for vi Assembler Reference and ADB Tutorial HP-UX System Administrator Manual HP-UX Documentation Roadmap A Book on C Introducing UNIX System V Pascal Language Reference	\$650.

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

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.
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 77.		
82320A Opt. 022	X Window System, Version 10.4 Software on 1/4-inch tape cartridge.	\$735.
82320R Opt. 100	Right-to-Reproduce the X Window System, Version 10.4. Includes manual set and right-to-reproduce certificate. Delete manuals.	625. -100.
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/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 and/or FORTRAN. 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 single-user use of HP SoftBench on one Series 300 workstation.	\$1,500.
Opt. 0A9	10-seat license-to-use. Allows single-user use of HP SoftBench on ten (10) Series 300 workstations.	12,000.
Opt. 0AG	25-seat License-to-use. Allows single-user use of HP SoftBench on twenty-five (25) Series 300 workstations.	26,250.
Opt. 0AA	50-seat license-to-use. Allows single-user use of HP SoftBench on 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 Quick Reference HP SoftBench Development Manager HP SoftBench Program Editor Editor Quick Reference HP SoftBench Program Builder HP SoftBench Program Debugger HP SoftBench Static Analyzer Customizing HP SoftBench. Does not include HP Encapsulator documentation.	350.

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.

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.
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.

Languages (cont'd)

Product/Opt. No.	Description	Price
<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>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 98599L.	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

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 Stock 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

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 hpdbdaemon. 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

Database Management (cont'd)

Product/Opt. No.	Description	Price
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 for Series 300 License-to-Use. Includes DA Util, listener process to allow remote database access to HP SQL/300.	1,875.
98884B	Media and documentation for 98884L. Requires prior or concurrent purchase of 98884L. Software shipped on 1/4-inch tape cartridge.	125.
Opt. 100	Delete manuals.	-25.
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.	4,800.
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.	720.
Opt. OG5	Return credit for Series 300. Must be ordered with corresponding product 92572 on Series 800.	-2,880.
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.	3,840.
Opt. OCY	Revision upgrade for user not on support services. Requires prior purchase of option AEQ.	575.
Opt. OG5	Return credit for Series 300. Must be ordered with corresponding product 92572 on Series 800.	-2,300.
Opt. OB0	Delete manuals.	-100.
92572E	HP Real-Time Database. Right-to-execute license for memory-resident database.	N/C
Opt. AEQ	Software for the HP9000 Series 300.	1,200.
Opt. OCY	Revision upgrade for user not on support services. Requires prior purchase of Option AEQ.	180.
Opt. OG5	Return credit for Series 300. Must be ordered with corresponding product 92572 on Series 800.	-720.

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	475.
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.
98603A*	ROM-based BASIC 4.0. Includes one system ROM board, BASIC 4.0 Manual Kit, and BASIC 5.0 Utilities Pack. The ROM board contains all BASIC 4.0 binaries, except SRM, Datacomm and KNP2; these binaries are provided in software separately. (Order one choice under "Media Options.")	2,000.
98603B	ROM-based BASIC 5.1. Includes one system ROM board, BASIC 5.0/5.1 Manual Kit, and BASIC 5.1 Utilities Pack. The ROM board contains all BASIC 5.1 binaries. (Order one choice under "Media Options.")	2,020.
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.
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 or later.	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).

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

Pascal Language Systems

Product/Opt. No.	Description	Price
98617A	RAM-based Pascal 3.21 Language System. Includes system disk set and Pascal 3.21 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 3.21 for VEU's, SRM users, or end users.	920.
Opt. 100	Delete Manuals	-110.
98617R	Right-to-reproduce one copy of Pascal 3.21 for resellers.	940.
Opt. 100	Delete manuals	-110.
98617E	Right-to-execute Pascal 3.21 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 DMK†)	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 DMK†)	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.

* 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 and Language Systems

HP-UX Operating System

Product/Opt. No.	Description	Price
92467L	1-16 user license for Model 815. 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 92467L. To obtain media order 92467A.	\$4,450.
92467A	Media and manuals for 92467L license. Requires concurrent or prior purchase of 92467L. The System Administration documentation set (92538A) is shipped with 92467A.	800.
AA0	Software on 1/4-inch cartridge tape	N/C
AA1	Software on 1/2-inch 1600 cpi 9-track tape	N/C
92536A	Series 800 HP-UX General Usage Documentation Set. Covers general usage of HP-UX, text editing and shell programming.	55.
92537A	Series 800 HP-UX Advanced Usage Documentation Set. Covers advanced usage of shells, text editors, and text formatters.	90.
92538A	Series 800 HP-UX System Administration Documentation Set. This set covers various aspects of system administration for Series 800 HP-UX.	325.
92539A	Series 800 HP-UX Programming Documentation Set. This set covers various aspects of C and assembly programming for Series 800 HP-UX.	475.

HP-UX Operating System

Description	Model/Product Number/Price		
	825/835	840	850/855
HP-UX 1-16 user license for the Series 800. Featuring C compiler and the HP-UX Symbolic Debugger. Also includes Assembler, Device I/O Library, and Real-Time Package.	92452A \$5,250.	92452A \$5,250.	92452A \$5,250.
Opt. AA0 — MD Software on 1/4-inch cartridge tape	N/C	N/C	N/C
Opt. AA1 — Software on 1/2-inch 1600 cpi 9-track tape	N/C	N/C	N/C
Opt. OB0 — Delete manuals	-300.	-300.	-300.
Opt. OCC — Revision upgrade for users not on support services. Requires prior purchase of original product.	-2,900.	-2,900.	-2,900.
HP-UX 1-32 user license for the Series 800. Featuring C compiler and the HP-UX Symbolic Debugger. Also includes Assembler, Device I/O Library, and Real-Time Package.	92453A 10,500.	92453A 10,500.	92453A 10,500.
Opt. OA0 — Upgrade from current 16-user HP-UX. Requires prior or concurrent purchase of 92452A or 92467L.	-5,250.	-5,250.	-5,250.
Opt. AA0 — Software on 1/4-inch cartridge tape	N/C	N/C	N/C
Opt. AA1 — Software on 1/2-inch 1600 cpi 9-track tape	N/C	N/C	N/C
Opt. OB0 — Delete manuals	-300.	-300.	-300.
Opt. OCC — Revision upgrade for users not on support services. Requires prior purchase of original product.	-7,660.	-7,660.	-7,660.
Opt. OCG — Inter-processor transfer credit. (Requires a hardware upgrade and prior purchase of 92453A.)	-10,500.	-10,500.	-10,500.
HP-UX 1-64 user license for the Series 800. Featuring C compiler and the HP-UX Symbolic Debugger. Also includes Assembler, Device I/O Library, and Real-Time Package.	92454A 18,375.	92454A 18,375.	92454A 18,375.
Opt. OA1 — Upgrade from current 16-user system. Requires prior or concurrent purchase of 92452A or 92467L.	-5,250.	-5,250.	-5,250.
Opt. OA2 — Upgrade from current 32-user system. Requires prior or concurrent purchase of appropriate 32-user product.	-10,500.	-10,500.	-10,500.
Opt. AA0 — Software on 1/4-inch cartridge tape	N/C	N/C	N/C
Opt. AA1 — Software on 1/2-inch 1600 cpi 9-track tape	N/C	N/C	N/C
Opt. OB0 — Delete manuals	-300.	-300.	-300.
Opt. OCC — Revision upgrade for users not on support services. Requires prior purchase of original product.	-12,600.	-12,600.	-12,600.
Opt. OCG — Inter-processor transfer credit. (Requires a hardware upgrade and prior purchase of 92454A.)	-18,375.	-18,375.	-18,375.
HP-UX unlimited user license for the Series 800. Featuring C compiler and the HP-UX Symbolic Debugger. Also includes Assembler, Device I/O Library, and Real-Time Package.	92455A 34,125.	92455A 34,125.	92455A 34,125.
Opt. OA1 — Upgrade from current 16-user system. Requires prior or concurrent purchase of appropriate 16-user product.	-5,250.	-5,250.	-5,250.
Opt. OA2 — Upgrade from current 32-user system. Requires prior or concurrent purchase of appropriate 32-user product.	-10,500.	-10,500.	-10,500.
Opt. OA3 — Upgrade from current 64-user system. Requires prior or concurrent purchase of appropriate 64-user product.	-18,375.	-18,375.	-18,375.
Opt. AA0 — Software on 1/4-inch cartridge tape	N/C	N/C	N/C
Opt. AA1 — Software on 1/2-inch 1600 cpi 9-track tape	N/C	N/C	N/C
Opt. OB0 — Delete manuals	-300.	-300.	-300.
Opt. OCC — Revision upgrade for users not on support services. Requires prior purchase of original product.	-22,540.	-22,540.	-22,540.
Opt. OCG — Inter-processor transfer credit. (Requires a hardware upgrade and prior purchase of 92455A.)	-34,125.	-34,125.	-34,125.
Japanese Simplex Font. Requires current version of 92557A.	92433A 1,300.	92433A 1,300.	92433A 1,300.
Opt. AA0 — Software on 1/4-inch cartridge tape	N/C	N/C	N/C
Opt. AA1 — Software on 1/2-inch 1600 cpi 9-track tape	N/C	N/C	N/C
Right-to-copy Japanese Simplex Font. Requires prior or concurrent purchase of 92557A.	92433R 1,100.	92433R 1,100.	92433R 1,100.
Opt. OB0 — Delete manuals	-50.	-50.	-50.

HP-UX Operating System (cont'd)

Description	Model/Product Number/Price		
	825/835	840	850/855
Simplified Chinese NLIO and Stick Font.	92550A	92550A	92550A
	2,705.	2,705.	2,705.
Opt. AA0 — Software on 1/4-inch cartridge tape.	N/C	N/C	N/C
Opt. AA1 — Software on 1/2-inch 1600 cpi 9-track tape	N/C	N/C	N/C
Right-to-copy Simplified Chinese NLIO and Stick Font. Requires prior or concurrent purchase of 92550A.	92550R	92550R	92550R
	2,295.	2,295.	2,295.
Opt. OB0 — Delete manuals	-50.	-50.	-50.
Traditional Chinese NLIO and Stick Font.	92552A	92552A	92552A
	2,705.	2,705.	2,705.
Opt. AA0 — Software on 1/4-inch cartridge tape.	N/C	N/C	N/C
Opt. AA1 — Software on 1/2-inch 1600 cpi 9-track tape	N/C	N/C	N/C
Right-to-copy Traditional Chinese NLIO and Stick Font. Requires prior or concurrent purchase of 92552A.	92552R	92552R	92552R
	2,295.	2,295.	2,295.
Opt. OB0 — Delete manuals	-50.	-50.	-50.
Traditional Chinese Simplex Font. Requires current version of 92552A.	92553A	92553A	92553A
	1,300.	1,300.	1,300.
Opt. AA0 — Software on 1/4-inch cartridge tape	N/C	N/C	N/C
Opt. AA1 — Software on 1/2-inch 1600 cpi 9-track tape	N/C	N/C	N/C
Right-to-copy Traditional Chinese Simplex Font. Requires prior or concurrent purchase of 92553A.	92553R	92553R	92553R
	1,100.	1,100.	1,100.
Opt. OB0 — Delete manuals	-50.	-50.	-50.
Korean Simplex Font. Requires current version of 92555A.	92554A	92554A	92554A
	1,300.	1,300.	1,300.
Opt. AA0 — Software on 1/4-inch cartridge tape.	N/C	N/C	N/C
Opt. AA1 — Software on 1/2-inch 1600 cpi 9-track tape	N/C	N/C	N/C
Right-to-copy Korean Simplex Font. Requires prior or concurrent purchase of 92554A.	92554R	92554R	92554R
	1,070.	1,070.	1,070.
Opt. OB0 — Delete manuals	-50.	-50.	-50.
Korean NLIO and Stick Font.	92555A	92555A	92555A
	2,625.	2,625.	2,625.
Opt. AA0 — Software on 1/4-inch cartridge tape.	N/C	N/C	N/C
Opt. AA1 — Software on 1/2-inch 1600 cpi 9-track tape	N/C	N/C	N/C
Right-to-copy Korean NLIO and Stick Font. Requires prior or concurrent purchase of 92555A.	92555R	92555R	92555R
	2,230.	2,230.	2,230.
Opt. OB0 — Delete manuals	-50.	-50.	-50.
Japanese Designer Font. Requires current version of 92557A	92556A	92556A	92556A
	2,265.	2,265.	2,265.
Opt. AA0 — Software on 1/4-inch cartridge tape	N/C	N/C	N/C
Opt. AA1 — Software on 1/2-inch 1600 cpi 9-track tape	N/C	N/C	N/C
Right-to-copy Japanese Designer Font. Requires prior purchase of 92556A.	92556R	92556R	92556R
	1,700.	1,700.	1,700.
Opt. OB0 — Delete manuals	-50.	-50.	-50.
Japanese NLIO and Stick Font.	92557A	92557A	92557A
	2,625.	2,625.	2,625.
Opt. AA0 — Software on 1/4-inch cartridge tape.	N/C	N/C	N/C
Opt. AA1 — Software on 1/2-inch 1600 cpi 9-track tape	N/C	N/C	N/C
Right-to-copy Japanese NLIO and Stick Font. Requires prior or concurrent purchase of 92557A.	92557R	92557R	92557R
	2,230.	2,230.	2,230.
Opt. OB0 — Delete manuals	-50.	-50.	-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 and/or FORTRAN. 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. OAN	1-seat license-to-use. Allows single-user use of HP SoftBench on one Series 800 workstation.	\$1,500.
Opt. OA9	10-seat license-to-use. Allows single-user use of HP SoftBench on ten (10) Series 800 workstations.	12,000.
Opt. OAG	25-seat license-to-use. Allows single-user use of HP SoftBench on twenty-five (25) Series 800 workstations.	26,250.
Opt. OAA	50-seat license-to-use. Allows single-user use of HP SoftBench on 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. 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 B1627A.	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 Quick Reference HP SoftBench Development Manager HP SoftBench Program Editor Editor Quick Reference HP SoftBench Program Bulder HP SoftBench Program Debugger HP SoftBench Static Analyzer Customizing HP SoftBench Does not include HP Encapsulator documentation	350.

Migration Software

Description	Model/Product Number/Price		
	825/835	840	850/855
PORT/RX Toolset. Includes Migration Analysis Utility, transport utilities, RTE intrinsic emulation routines and manual set.	92562A \$525.	92562A \$525.	92562A \$525.
Opt. AA0 — Software on 1/4-inch cartridge tape	N/C	N/C	N/C
Opt. AA1 — Software on 1/2-inch 1600 cpi 9-track tape	N/C	N/C	N/C
PORT/RX Manual Set	92561K \$361.	92561K \$361.	92561K \$361.
Migration Evaluation Kit. Includes Migration Analysis Utility for RTE, HP 1000 transport utilities and manual set.	92561A \$420.	92561A \$420.	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.	50729A \$12,100.	50729A \$12,100.
Opt. AA0 — Software on 1/4-inch cartridge tape	N/C	N/C	N/C
Opt. AA1 — Software on 1/4-inch 1600 cpi 9-track tape	N/C	N/C	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.	50730A \$5,000.	50730A \$5,000.
Opt. AA0 — Software on 1/4-inch cartridge tape	N/C	N/C	N/C
Opt. AA1 — Software on 1/2-inch 1600 cpi 9-track tape	N/C	N/C	N/C
Right to copy PORT/VX Toolset	50730R \$4,250.	50730R \$4,250.	50730R \$4,250.

Series 800 Languages

Description	Model/Product Number/Price			
	815	825/835	840	850/855
Development Pack. Includes FORTRAN 77, Pascal, Starbase Graphics Library, and DGL/AGP Graphics Library.	92626A \$5,430.	92447A \$10,300.	92438A \$15,850.	92465A \$22,200.
Opt. AA0 — Software on 1/4-inch cartridge tape	N/C	N/C	N/C	N/C
Opt. AA1 — Software on 1/2-inch 1600 cpi 9-track tape	N/C	N/C	N/C	N/C
Opt. OC0 — Return credit for E/F Value Pack	N/A	-9,100.	-12,510.	-12,510.
Opt. OC1 — Return credit for A600 Value Pack	N/A	-7,000.	-7,000.	-7,000.
Opt. OC2 — Return credit for A700 Value Pack	N/A	-9,000.	-9,000.	-9,000.
Opt. OC3 — Return credit for A900 Value Pack	N/A	-9,100.	-14,000.	-14,000.
Opt. OC7 — Return credit for Model 815 Development Pack	N/A	N/A	N/A	N/A
Opt. OC8 — Return credit for Model 825/835 Development Pack	N/A	N/A	-10,300.	10,300.
Opt. OC9 — Return credit for Model 840 Development Pack	N/A	N/A	N/A	-15,850.
Opt. OCC — Revision upgrade for user not on support services. Requires prior purchase of Development Pack.	-4,300.	-7,100.	-11,800.	-17,200.
FORTRAN 77/HP-UX Compiler	92627A 2,500.	92443A 4,775.	92430A 7,350.	92461A 10,300.
Opt. AA0 — Software on 1/4-inch cartridge tape	N/C	N/C	N/C	N/C
Opt. AA1 — Software on 1/2-inch 1600 cpi 9-track tape	N/C	N/C	N/C	N/C
Opt. OC0 — Return credit for E/F FORTRAN 77	N/A	-4,500.	-4,500.	-4,500.
Opt. OC1 — Return credit for A600 FORTRAN 77	N/A	-3,000.	-3,000.	-3,000.
Opt. OC2 — Return credit for A700 FORTRAN 77	N/A	-4,500.	-4,500.	-4,500.
Opt. OC3 — Return credit for A900 FORTRAN 77	N/A	-4,550.	-6,000.	-6,000.
Opt. OC4 — Return credit for E/F FORTRAN 4X	N/A	-2,500.	-2,500.	-2,500.
Opt. OC7 — Return credit for Model 815 FORTRAN 77	N/A	N/A	N/A	N/A
Opt. OC8 — Return credit for Models 825/835 FORTRAN 77	N/A	N/A	-4,775.	-4,775.
Opt. OC9 — Return credit for Model 840 FORTRAN 77	N/A	N/A	N/A	-7,350.
Opt. OCA — Return credit from Series 500 Single-user FORTRAN 77	N/A	-2,020.	-2,020.	-2,020.
Opt. OCB — Return credit from Series 500 Multi-user FORTRAN 77	N/A	-4,500.	-4,500.	-4,500.
Opt. OCC — Revision upgrade for user not on support services. Requires prior purchase of FORTRAN 77/HP-UX Compiler.	-2,000.	-3,550.	-5,900.	-8,600.
Right-to-copy FORTRAN 77/HP-UX Compiler	92627R 2,125.	92443R 4,065.	92430R 6,250.	92461R 8,750.
Opt. OBO — Delete manuals	-50.	-50.	-50.	-50.
Opt. OC0 — Return credit for E/F FORTRAN 77	N/A	-2,250.	-2,250.	-2,250.
Opt. OC1 — Return credit for A600 FORTRAN 77	N/A	-1,500.	-1,500.	-1,500.
Opt. OC2 — Return credit for A700 FORTRAN 77	N/A	-2,250.	-2,250.	-2,250.
Opt. OC3 — Return credit for A900 FORTRAN 77	N/A	-3,000.	-3,000.	-3,000.
Opt. OC4 — Return credit for E/F FORTRAN 4X	N/A	-1,250.	-1,250.	-1,250.
Opt. OC7 — Return credit for Model 815 FORTRAN 77	N/A	N/A	-4,065.	-4,065.
Opt. OC8 — Return credit for Models 825/835 FORTRAN 77	N/A	N/A	N/A	N/A
Opt. OC9 — Return credit for Model 840 FORTRAN 77	N/A	N/A	N/A	-6,250.
Opt. OCA — Return credit from Series 500 Single-user FORTRAN 77	N/A	-1,010.	-1,010.	-1,010.
Opt. OCB — Return credit from Series 500 Multi-user FORTRAN 77	N/A	-2,250.	-2,250.	-2,250.
Pascal/HP-UX Compiler	92628A 2,500.	92444A 4,775.	92431A 7,350.	92462A 10,300.
Opt. AA0 — Software on 1/4-inch cartridge tape	N/C	N/C	N/C	N/C
Opt. AA1 — Software on 1/2-inch 1600 cpi 9-track tape	N/C	N/C	N/C	N/C
Opt. OC0 — Return credit for E/F Pascal	N/A	-4,500.	-4,500.	-4,500.
Opt. OC1 — Return credit for A600 Pascal	N/A	-3,000.	-3,000.	-3,000.
Opt. OC2 — Return credit for A700 Pascal	N/A	-4,500.	-4,500.	-4,500.
Opt. OC3 — Return credit for A900 Pascal	N/A	-4,550.	-6,000.	-6,000.
Opt. OC7 — Return credit for Model 815 Pascal	N/A	N/A	N/A	N/A
Opt. OC8 — Return credit for Models 825/835 Pascal	N/A	N/A	-4,775.	-4,775.
Opt. OC9 — Return credit for Model 840 Pascal	N/A	N/A	N/A	-7,350.
Opt. OCA — Return credit from Series 500 Single-user Pascal	N/A	-2,020.	-2,020.	-2,020.
Opt. OCB — Return credit from Series 500 Multi-user Pascal	N/A	-4,500.	-4,500.	-4,500.
Opt. OCC — Revision upgrade for user not on support services. Requires prior purchase of Pascal/HP-UX Compiler.	-2,000.	-3,550.	-5,900.	-8,600.

Series 800 Languages (cont'd)

Description	Model/Product Number/Price			
	815	825/835	840	850/855
Right-to-copy Pascal/HP-UX Compiler. Requires prior purchase of Pascal/HP-UX Compiler.	92628R \$2,125.	92444R \$4,065.	92431R \$6,250.	92462R \$8,750.
Opt. 0B0 — Delete manuals	-50.	-50.	-50.	-50.
Opt. 0C0 — Return credit for E/F Pascal	N/A	-2,250.	-2,250.	-4,500.
Opt. 0C1 — Return credit for A600 Pascal	N/A	-1,500.	-1,500.	-1,500.
Opt. 0C2 — Return credit for A700 Pascal	N/A	-2,250.	-2,250.	-2,250.
Opt. 0C3 — Return credit for A900 Pascal	N/A	-3,000.	-3,000.	-3,000.
Opt. 0C7 — Return credit for Model 815 Pascal	N/A	N/A	N/A	N/A
Opt. 0C8 — Return credit for Models 825/835 Pascal	N/A	N/A	-4,780.	-4,065.
Opt. 0C9 — Return credit for Model 840 Pascal	N/A	N/A	N/A	-6,250.
Opt. 0CA — Return credit from Series 500 Single-user Pascal	N/A	-1,010.	-1,010.	-1,010.
Opt. 0CB — Return credit from Series 500 Multi-user Pascal	N/A	-2,250.	-2,250.	-2,250.
COBOL/HP-UX Developer Package. Includes COBOL/HP-UX compiler, ANIMATOR debugging tool, FORMS-2 screen generator and manual set.	92629A 5,050.	35328A 10,750.	35326A 16,500.	35330A 23,100.
Opt. AA0 — Software on 1/4-inch cartridge tape	N/C	N/C	N/C	N/C
Opt. AA1 — Software on 1/2-inch 1600 cpi 9-track tape	N/C	N/C	N/C	N/C
Opt. 0C7 — Upgrade from HP 9000 Model 318, 319, 320, 330	N/A	-5,500.	-5,500.	-5,500.
Opt. 0C8 — Upgrade from HP 9000 Models 825/835	N/A	N/A	-10,750.	-10,750.
Opt. 0C9 — Upgrade from Model 840S	N/A	N/A	N/A	-16,500.
Opt. 222 — Upgrade from COBOL/HP-UX Compiler. Requires prior purchase of COBOL/HP-UX Compiler.	N/A	-6,600.	-10,500.	-13,750.
COBOL/HP-UX Run-time System	92631A 510.	35329A 1,085.	35327A 1,665.	35331A 2,325.
Opt. AA0 — Software on 1/4-inch cartridge tape	N/C	N/C	N/C	N/C
Opt. AA1 — Software on 1/2-inch 1600 cpi 9-track tape	N/C	N/C	N/C	N/C
Opt. 0C7 — Upgrade from HP 9000 Model 318, 319, 320, 330	N/A	-550.	-550.	-550.
Opt. 0C8 — Upgrade from HP 9000 Models 825/835	N/A	N/A	-1,085.	-1,085.
Opt. 0C9 — Upgrade from HP 9000 Model 840S. Requires prior purchase of original product.	N/A	N/A	N/A	-1,665.
COBOL/HP-UX Compiler. Includes COBOL/HP-UX compiler, COBOL/HP-UX run-time system, and manual set.	92630A 3,500.	35335A 6,600.	35336A 10,500.	35337A 13,750.
Opt. AA0 — Software on 1/4-inch cartridge tape	N/C	N/C	N/C	N/C
Opt. AA1 — Software on 1/2-inch 1600 cpi 9-track tape	N/C	N/C	N/C	N/C
Opt. 0C7 — Upgrade from HP 9000 Model 318, 319, 320, 330	N/A	-3,000.	-3,000.	-3,000.
Opt. 0C8 — Upgrade from HP 9000 Model 350, Models 825/835	N/A	-6,600.	-6,600.	-6,600.
Opt. 0C9 — Upgrade from HP 9000 Model 840S. Requires prior purchase of original product.	N/A	N/A	N/A	-10,500.
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	28671A See Opt. AEN	28671A See Opt. AEP
Opt. AA0 — Software on 1/4-inch cartridge tape		N/C	N/C	N/C
Opt. AA1 — Software on 1/2-inch 1600 cpi 9-track tape		N/C	N/C	N/C
Opt. AEM — Software for Models 825/835		10,000.	N/A	N/A
Opt. AEN — Software for Model 840		N/A	15,400.	N/A
Opt. AEP — Software for Models 850/855		N/A	N/A	21,600.
Opt. 0C8 — Upgrade credit from Models 825/835 to 840		N/A	-10,000.	-10,000.
Opt. 0C9 — Upgrade credit from Model 840 to 850/855		N/A	N/A	-15,400.
Opt. 0CU — Revision upgrade for user not on support services. Requires prior purchase of Opt. AEM		-9,500.	N/A	N/A
Opt. 0CV — Revision upgrade for user not on support services. Requires prior purchase of Opt. AEN		N/A	-14,650.	N/A
Opt. 0CW — Revision upgrade for user not on support services. Requires prior purchase of Opt. AEP		N/A	N/A	-20,600.
Right-to-copy Real-Time Interface Developer's Kit. Requires prior or concurrent purchase of original product.		28671R See Opt. AEM	28671R See Opt. AEN	28671R See Opt. AEP
Opt. 0B0 — Delete manuals		-50.	-50.	-50.
Opt. AEM — Software for Models 825/835		8,000.	N/A	N/A
Opt. AEN — Software for Model 840		N/A	12,350.	N/A
Opt. AEP — Software for Models 850/855		N/A	N/A	17,300.
Opt. 0C8 — Upgrade credit from Models 825/835 to 840		N/A	-8,000.	-8,000.
Opt. 0C9 — Upgrade credit from Model 840 to 850/855		N/A	N/A	-12,350.

Series 800 Graphics Libraries

Description	Model/Product Number/Price		
	825/835	840	850/855
Starbase/HP-UX Graphics Library	92445A \$2,600.	92436A \$4,000.	92463A \$5,600
Opt. AA0 — Software on 1/4-inch tape cartridge	N/C	N/C	N/C
Opt. AA1 — Software on 1/2-inch 1600 cpi 9-track tape	N/C	N/C	N/C
Opt. OC8 — Return credit for Models 825/835 Starbase Graphics Library	N/A	-2,600.	-2,600.
Opt. OC9 — Return credit for Model 840 starbase Graphics Library	N/A	N/A	-4,000.
Opt. OCC — Revision credit for user not on support services. Requires prior or concurrent purchase of original product.	N/A	-2,600.	N/A
Right-to-copy Starbase/HP-UX Graphics Library. Requires prior or concurrent purchase of original product.	92445R 2,210.	92436R 3,400.	92463R 4,760.
Opt. OBO — Delete manuals	-50.	-50.	-50.
Opt. OC8 — Return credit for Models 825/835 Starbase Graphics Library	N/A	-2,210.	-2,210.
Opt. OC9 — Return credit for Model 840 Starbase Graphics Library	N/A	N/A	-3,400.
DGL/AGP/HP-UX Graphics Libraries. Includes Starbase/ HP-UX Graphics Library.	92446A 3,750.	92437A 5,750.	92464A 8,050.
Opt. AA0 — Software on 1/4-inch cartridge tape	N/C	N/C	N/C
Opt. AA1 — Software on 1/2-inch 1600 cpi 9-track tape	N/C	N/C	N/C
Opt. OC0 — Return credit for E/F DGL	-2,000.	-2,000.	-2,000.
Opt. OC1 — Return credit for A600 DGL	-1,200.	-1,200.	-1,200.
Opt. OC2 — Return credit for A700 DGL	-2,000.	-2,000.	-2,000.
Opt. OC3 — Return credit for A900 DGL	-2,500.	-2,500.	-2,500.
Opt. OC4 — Return credit for E/F DGL & AGP	-3,720.	-4,000.	-4,000.
Opt. OC5 — Return credit for A600 DGL & AGP	-2,400.	-2,400.	-2,400.
Opt. OC6 — Return credit for A700 DGL & AGP	-3,720.	-4,000.	-4,000.
Opt. OC7 — Return credit for A900 DGL & AGP	-3,720.	-5,000.	-5,000.
Opt. OC8 — Return credit for Models 825/835 DGL/AGP	N/A	-3,750.	-3,750.
Opt. OC9 — Return credit for Models 840 DGL/AGP	N/A	N/A	-5,750.
Opt. OCA — Return credit from Series 500 Single-user AGP	-1,600.	-1,600.	-1,600.
Opt. OCB — Return credit from Series 500 Multi-user AGP	-3,720.	-4,000.	-4,000.
Opt. OCC — Revision upgrade for user not on support services. Requires prior purchase of original product..	N/A	-4,350.	N/A
Right-to-copy DGL/AGP/HP-UX. Requires prior or concurrent purchase of original product.	92446R 3,190.	92437R 4,890.	92464R 6,840.
Opt. OBO — Delete manuals	-50.	-50.	-50.
Opt. OC0 — Return credit for E/F DGL	-1,000.	-1,000.	-1,000.
Opt. OC1 — Return credit for A600 DGL	-600.	-600.	-600.
Opt. OC2 — Return credit for A700 DGL	-1,000.	-1,000.	-1,000.
Opt. OC3 — Return credit for A900 DGL	-1,250.	-1,250.	-1,250.
Opt. OC4 — Return credit for E/F DGL & AGP	-2,000.	-2,000.	-2,000.
Opt. OC5 — Return credit for A600 DGL & AGP	-1,200.	-1,200.	-1,200.
Opt. OC6 — Return credit for A700 DGL & AGP	-2,000.	-2,000.	-2,000.
Opt. OC7 — Return credit for A900 DGL & AGP	-2,500.	-2,500.	-2,500.
Opt. OC8 — Return credit for Models 825/835 DGL/AGP	N/A	-3,190.	-3,190.
Opt. OC9 — Return credit for Models 840 DGL/AGP	N/A	N/A	-4,890.
Opt. OCA — Return credit from Series 500 Single-user AGP	-800.	-800.	-800.
Opt. OCB — Return credit from Series 500 Multi-user AGP	-2,000.	-2,000.	-2,000.
HP GKS/HP-UX. Requires current version Starbase/HP-UX.	92521A 2,000.	92525A 3,300.	92529A 4,620.
Opt. AA0 — Software on 1/4-inch cartridge tape	N/C	N/C	N/C
Opt. AA1 — Software on 1/2-inch 1600 cpi 9-track tape	N/C	N/C	N/C
Opt. OCA — Return credit for Series 500 GKS	-1,950.	N/A	N/A
Right-to-copy HP GKS/HP-UX. Requires prior or concurrent purchase of original product.	92521R 1,700.	92525R 2,800.	92529R 3,930.
Opt. OBO — Delete manuals	-50.	-50.	-50.
Starbase/HP-UX Display List. Requires current version of Starbase/HP-UX.	92522A 1,000.	92526A 1,500.	N/A
Opt. AA0 — Software on 1/4-inch cartridge tape	N/C	N/C	N/C
Opt. AA1 — Software on 1/2-inch 1600 cpi 9-track tape	N/C	N/C	N/C

Series 800 Graphics Libraries (cont'd)

Description	Model/Product Number/Price		
	825/835	840	850/855
Right-to-copy Starbase/HP-UX Display List. Requires prior or concurrent purchase of original product.	92522R \$850.	92526R \$1,270.	N/A
Opt. 0B0 — Delete manuals	-50.	-50.	N/A
The X Window System Version 10.4	92524A 2,100.	92528A 3,200.	92532A \$4,500.
Opt. AA0 — Software on 1/4-inch cartridge tape	N/C	N/C	N/C
Opt. AA1 — Software on 1/2-inch 1600 cpi 9-track tape	N/C	N/C	N/C
Right-to-copy The X Window System Version 10.4. Requires prior or concurrent purchase of original product.	92524R 1,785.	92528R 2,720.	92532R 3,825.
Opt. 0B0 — Delete manuals	-50.	-50.	-50.
The X Window System Version 11	B1155A 2,100.	B1157A 3,295.	B1159A 4,500.
Opt. AA0 — Software on 1/4-inch cartridge tape	N/C	N/C	N/C
Opt. AA1 — Software on 1/2-inch 1600 cpi 9-track tape	N/C	N/C	N/C
Right-to-copy The X Window System Version 11. Requires prior or concurrent purchase of original product.	B1156A 1,785.	B1158A 2,800.	B1160A 3,825.
Opt. 0B0 — Delete manuals	-50.	-50.	-50.

Series 800 Productivity Tools and Information Management Software

Description	Model/Product Number/Price			
	815	825/835	840	850/855
HP ALLBASE/SQL/4GL/QUERY Developer Pack	92632A \$14,200.	36362A \$35,100.	N/A N/A	36361A \$81,100.
Opt. 311 — Delete ALLBASE/SQL	-3,500.	-12,700.	N/A	-27,500.
Opt. 312 — Delete ALLBASE/4GL	-6,100.	-12,900.	N/A	-32,900.
Opt. 313 — Delete ALLBASE/QUERY	-2,200.	-5,100.	N/A	-5,100.
Opt. AA0 — Software on 1/4-inch cartridge tape	N/C	N/C	N/C	N/C
Opt. AA1 — Software on 1/2-inch 1600 cpi 9-track tape	N/C	N/C	N/C	N/C
Opt. 0C0 — Return credit for E/F IMAGE/1000-1	N/A	N/A	N/A	N/A
Opt. 0C1 — Return credit for A600 IMAGE/1000-1	N/A	N/A	N/A	N/A
Opt. 0C2 — Return credit for A700 IMAGE/1000-1	N/A	N/A	N/A	N/A
Opt. 0C3 — Return credit for A900 IMAGE/100-1	N/A	N/A	N/A	N/A
Opt. 0C4 — Return credit for E/F IMAGE/1000-II	N/A	N/A	N/A	N/A
Opt. 0C5 — Return credit for A600 IMAGE/1000-II	N/A	N/A	N/A	N/A
Opt. 0C6 — Return credit for A700 IMAGE/1000-II	N/A	N/A	N/A	N/A
Opt. 0C7 — Return credit for A900 IMAGE/1000-II	N/A	N/A	N/A	N/A
Opt. 0CA — Return credit from Series 500 Single-user IMAGE	N/A	N/A	N/A	N/A
Opt. 0CB — Return credit from Series 500 Multi-user IMAGE	N/A	N/A	N/A	N/A
HP ALLBASE 4GL Developer Pack	92646A 8,300.	35305A 17,300.	92440A 26,700.	35307A 44,000.
Opt. AA1 — Software on 1/4-inch cartridge tape	N/C	N/C	N/C	N/C
Opt. AA1 — Software on 1/2-inch 1600 cpi 9-track tape	N/C	N/C	N/C	N/C
Opt. 0C7 — Return credit for Model 815 ALLBASE/4GL	N/A	N/A	N/A	N/A
Opt. 0C8 — Return credit for Models 825/835	N/A	N/A	-16,600.	-17,400.
Opt. 0C9 — Return credit for Model 840	N/A	N/A	N/A	-26,800.
Opt. 0C8 — Return credit for Series 500 ALLBASE/4GL	N/A	N/A	-12,000.	-12,000.
Right-to-copy HP ALLBASE/4GL Developer Pack. Requires prior or concurrent purchase of original product.	92646R 7,070.	35305R 14,800.	92440R 22,700.	35307R 37,400.
Opt. 0B0 — Delete manuals	-200.	-200.	-200.	-200.

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

Description	Model/Product Number/Price			
	815	825/835	840	850/855
HP ALLBASE	92636A \$5,000.	92460A \$17,050.	36217A \$26,250.	92469A \$36,750.
Opt. AA0 — Software on 1/4-inch cartridge tape	N/C	N/C	N/C	N/C
Opt. AA1 — Software on 1/2-inch 1600 cpi 9-track tape	N/C	N/C	N/C	N/C
Opt. OC0 — Return credit for E/F IMAGE/1000-I	N/A	-5,000.	-5,000.	-5,000.
Opt. OC1 — Return credit for A600 IMAGE/1000-I	N/A	-3,000.	-3,000.	-3,000.
Opt. OC2 — Return credit for A700 IMAGE/1000-I	N/A	-5,000.	-5,000.	-5,000.
Opt. OC3 — Return credit for A900 IMAGE/1000-I	N/A	-8,000.	-8,000.	-8,000.
Opt. OC4 — Return credit for E/F IMAGE/1000-II	N/A	-8,000.	-8,000.	-8,000.
Opt. OC5 — Return credit for A600 IMAGE/1000-II	N/A	-5,000.	-5,000.	-5,000.
Opt. OC6 — Return credit for A700 IMAGE/1000-II	N/A	-8,000.	-8,000.	-8,000.
Opt. OC7 — Return credit for A900 IMAGE/1000-II	N/A	-12,000.	-12,000.	-12,000.
Opt. OC8 — Return credit for Models 825/835 ALLBASE	N/A	N/A	-17,050.	-17,050.
Opt. OC9 — Return credit for Model 840 ALLBASE	N/A	N/A	N/A	-26,250.
Opt. OCA — Return credit from Series 500 Single-user IMAGE	N/A	-1,000.	-1,000.	-1,000.
Opt. OCB — Return credit from Series 500 Multi-user IMAGE	N/A	-2,500.	-2,500.	-2,500.
Opt. OCC — Revision upgrade for user not on support services. Requires prior purchase of original product.	-4,000.	-14,650.	-23,300.	-33,200.
Right-to-copy HP ALLBASE. Requires prior or concurrent purchase of original product.	92636R 4,250.	92460R 14,500.	36217R 22,300.	92469R 31,250.
Opt. OB0 — Delete manuals	-50.	-50.	-50.	-50.
Opt. OC0 — Return credit for E/F IMAGE/1000-I	N/A	-2,500.	-2,500.	-2,500.
Opt. OC1 — Return credit for A600 IMAGE/1000-I	N/A	-1,500.	-1,500.	-1,500.
Opt. OC2 — Return credit for A700 IMAGE/1000-I	N/A	-2,500.	-2,500.	-2,500.
Opt. OC3 — Return credit for A900 IMAGE/1000-I	N/A	-4,000.	-4,000.	-4,000.
Opt. OC4 — Return credit for E/F IMAGE/1000-II	N/A	-4,000.	-4,000.	-4,000.
Opt. OC5 — Return credit for A600 IMAGE/1000-II	N/A	-2,500.	-2,500.	-2,500.
Opt. OC6 — Return credit for A700 IMAGE/1000-II	N/A	-4,000.	-4,000.	-4,000.
Opt. OC7 — Return credit for A900 IMAGE/1000-II	N/A	-6,000.	-6,000.	-6,000.
Opt. OC8 — Return credit for Models 825/835 ALLBASE	N/A	N/A	-14,500.	-14,500.
Opt. OC9 — Return credit for Model 840 ALLBASE	N/A	N/A	N/A	-22,300.
Opt. OCA — Return credit from Series 500 Single-user IMAGE	N/A	-500.	-500.	-500.
Opt. OCB — Return credit from Series 500 Multi-user IMAGE	N/A	-1,250.	-1,250.	-1,250.
HP ALLBASE/QUERY	92635A 3,300.	92533A 6,830.	92534A 10,500.	92535A 14,700.
Opt. AA0 — Software on 1/4-inch cartridge tape	N/C	N/C	N/C	N/C
Opt. AA1 — Software on 1/2-inch 1600 cpi 9-track tape	N/C	N/C	N/C	N/C
Opt. OC7 — Return credit for Model 815 ALLBASE/QUERY	N/A	N/A	N/A	N/A
Opt. OC8 — Return credit for Models 825/835 ALLBASE/QUERY	N/A	N/A	-6,830.	-6,830.
Opt. OC9 — Return credit for Model 840 ALLBASE/QUERY	N/A	N/A	N/A	-10,500.
Opt. OCC — Revision upgrade for user not on support services. Requires prior purchase of original product.	-2,650.	-5,600.	-8,800.	-12,700.
Right-to-copy HP ALLBASE/QUERY. Requires prior or concurrent purchase of original product.	92635R 2,850.	92533R 5,800.	92534R 8,930.	92535R 12,500.
Opt. OB0 — Delete manuals	-50.	-50.	-50.	-50.
Opt. OC8 — Return credit for Models 825/835 ALLBASE/QUERY	N/A	N/A	-5,800.	-5,800.
Opt. OC9 — Return credit for Model 840 ALLBASE/QUERY	N/A	N/A	N/A	-8,930.
HP ALLBASE/4GL Run-time Environment	92633A 1,690.	35306A 3,450.	92441A 5,350.	35308A 8,800.
Opt. AA0 — Software on 1/4-inch cartridge tape	N/C	N/C	N/C	N/C
Opt. AA1 — Software on 1/2-inch 1600 cpi 9-track tape	N/C	N/C	N/C	N/C
Opt. OC7 — Return credit for Model 815 ALLBASE 4GL	N/A	N/A	N/A	N/A
Opt. OC8 — Return credit for Models 825/835 ALLBASE/4GL	N/A	N/A	N/A	N/A
Opt. OC9 — Return credit for Model 840 ALLBASE/4GL	N/A	N/A	N/A	N/A
HP SQL RunTime	92637A 2,750.	92601A 9,400.	92602A 14,450.	92603A 20,200.
Opt. AA0 — Software on 1/4-inch cartridge tape	N/C	N/C	N/C	N/C
Opt. AA1 — Software on 1/2-inch 1600 cpi 9-track tape	N/C	N/C	N/C	N/C
Opt. OB0 — Delete manuals	-50.	-50.	-50.	-50.
Opt. OCC — Revision upgrade for user not on support services. Requires prior purchase of original product.	N/A	-7,900.	-12,750.	-18,300.

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

Description	Model/Product Number/Price			
	815	825/835	840	850/855
HP ALLBASE/NET	92634A \$2,200.	92592A \$3,900.	92593A \$6,000.	92594A \$8,500.
Opt. AAO — Software on 1/4-inch cartridge tape	N/C	N/C	N/C	N/C
Opt. AA1 — Software on 1/2-inch 1600 cpi 9-track tape	N/C	N/C	N/C	N/C
Opt. OBO — Delete manuals	-50.	-50.	-50.	-50.
Opt. OCR — Return credit for Models 825/835 ALLBASE/NET	N/A	N/A	-3,900	-3,900.
Opt. OCS — Return credit for Model 840 ALLBASE/NET	N/A	N/A	N/A	-6,000.
Opt. OCC — Revision upgrade for users not on support services. Requires prior purchase of original product.	-1,750.	-2,400.	-4,300.	-6,600.
Real-Time Database. Includes user's reference guide and self-paced tutorial.		92572A See Opt. AEM	92572A See Opt. AEN	92572A See Opt. AEP
Opt. AAO — Software on 1/4-inch cartridge tape		N/C	N/C	N/C
Opt. AA1 — Software on 1/2-inch 1600 cpi 9-track tape		N/C	N/C	N/C
Opt. AEM — Software for Models 825/835		8,000.	N/A	N/A
Opt. AEN — Software for Model 840		N/A	11,600.	N/A
Opt. AEP — Software for Models 850/855		N/A	N/A	14,400.
Opt. OCR — Upgrade credit from Models 825/835 to 840		N/A	3,600.	N/A
Opt. OCS — Upgrade credit from Model 840 to 850/855		N/A	N/A	2,800.
Opt. OCU — Revision upgrade for user not on support services. Requires prior purchase of Opt. AEM.		1,200.	N/A	N/A
Opt. OCV — Revision upgrade for user not on support services. Requires prior purchase of Opt. AEN		N/A	1,740.	N/A
Opt. OCW — Revision upgrade for user not on support services. Requires prior purchase of Opt. AEP.		N/A	N/A	2,160.
Right-to-copy Real-Time Database. Includes user's reference guide and self-paced tutorial.		92572R See Opt. AEM	92572R See Opt. AEN	92572R See Opt. AEP
Opt. AEM — Software for Models 825/835		6,400.	N/A	N/A
Opt. AEN — Software for Model 840		N/A	9,280.	N/A
Opt. AEP — Software for Models 850/855		N/A	N/A	11,520.
Opt. OCR — Upgrade credit from Models 825/835 to 840		N/A	2,880.	N/A
Opt. OCS — Upgrade credit from Model 840 to 850/855		N/A	N/A	2,240.
Opt. OCU — Revision upgrade for user not on support services. Requires prior purchase of Opt. AEM.		960.	N/A	N/A
Opt. OCV — Revision upgrade for user not on support services. Requires prior purchase of Opt. AEN		N/A	1,390.	N/A
Opt. OCW — Revision upgrade for user not on support services. Requires prior purchase of Opt. AEP.		N/A	N/A	1,730.
Execute-only License for Real-Time Database		92572E See Opt. AEM	92572E See Opt. AEN	92572E See Opt. AEP
Opt. AEM — Software for Models 825/835		\$2,000.	N/A	N/A
Opt. AEN — Software for Model 840		N/A	\$2,900.	N/A
Opt. AEP — Software for Models 850/855		N/A	N/A	\$3,600.
Opt. OCR — Upgrade credit from Models 825/835 to 840		N/A	900.	N/A
Opt. OCS — Upgrade credit from Model 840 to 850/855		N/A	N/A	700.
Opt. OCU — Revision upgrade for user not on support services. Requires prior purchase of Opt. AEM.		300.	N/A	N/A
Opt. OCV — Revision upgrade for user not on support services. Requires prior purchase of Opt. AEN		N/A	435.	N/A
Opt. OCW — Revision upgrade for user not on support services. Requires prior purchase of Opt. AEP.		N/A	N/A	540.
DataPair/800. Software that provides disk mirroring functionality. The product increases data integrity and availability by protecting against disk failure.		92623A 14,900.	92624A 19,600.	92625A 31,400.
Opt. AAO — Software on 1/4-inch cartridge tape		N/C	N/C	N/C
Opt. AA1 — Software on 1/2-inch 1600 cpi 9-track tape		N/C	N/C	N/C
Opt. OBO — Delete manuals		-50.	-50.	-50.
Opt. OC8 — Return credit for Models 825/835		N/A	-14,900.	-14,900.
Opt. OC9 — Return credit for Model 840		N/A	N/A	-19,600
Right to copy DataPair/800.		92623R 12,665.	92624R 16,660.	92625R 26,690.

Device Interface System

Description	Model/Product Number/Price		
	825/835	840	850/855
Device Interface System. Includes user's reference guide and self-paced tutorial.	92580A See Opt. AEM	92580A See Opt. AEN	92580A See Opt. AEP
Opt. AAO — Software on 1/4-inch cartridge tape	N/C	N/C	N/C
Opt. AA1 — Software on 1/2-inch 1600 cpi 9-track tape	N/C	N/C	N/C
Opt. AEM — Software for Models 825/835	5,000.	7,250.	N/A
Opt. AEN — Software for Model 840	N/A	N/A	N/A
Opt. AEP — Software for Models 850/855	N/A	N/A	9,000.
Opt. OCR — Upgrade credit from Models 825/835 to 840	N/A	2,250.	N/A
Opt. OCS — Upgrade credit from Model 840 to 850/855	N/A	N/A	1,750.
Opt. OCU — Revision upgrade for user not on support services. Requires prior purchase of Opt. AEM.	750.	N/A	N/A
Opt. OCV — Revision upgrade for user not on support services. Requires prior purchase of Opt. AEN	N/A	1,088.	N/A
Opt. OCW — Revision upgrade for user not on support services. Requires prior purchase of Opt. AEP.	N/A	N/A	1,350.
Right-to-copy Device Interface System. Includes user's reference guide and self-paced tutorial.	92580R See Opt. AEM	92580R See Opt. AEN	92580R See Opt. AEP
Opt. OBO — Delete manuals	-100.	-100.	-100.
Opt. AEM — Software for Models 825/835	4,000.	N/A	N/A
Opt. AEN — Software for Model 840	N/A	5,800.	N/A
Opt. AEP — Software for Models 850/855	N/A	N/A	7,200.
Opt. OCR — Upgrade credit from Models 825/835 to 840	N/A	1,800.	N/A
Opt. OCS — Upgrade credit from Model 840 to 850/855	N/A	N/A	1,400.
Opt. OCU — Revision upgrade for user not on support services. Requires prior purchase of Opt. AEM.	600.	N/A	N/A
Opt. OCV — Revision upgrade for user not on support services. Requires prior purchase of Opt. AEN	N/A	870.	N/A
Opt. OCW — Revision upgrade for user not on support services. Requires prior purchase of Opt. AEP.	N/A	N/A	1,080.
Execute-only License for Device Interface System	92580E See Opt. AEM	92580E See Opt. AEN	92580E See Opt. AEP
Opt. AEM — Software for Models 825/835	1,250.	N/A	N/A
Opt. AEN — Software for Model 840	N/A	1,810.	N/A
Opt. AEP — Software for Models 850/855	N/A	N/A	2,250.
Opt. OCR — Upgrade credit from Models 825/835 to 840	N/A	560.	N/A
Opt. OCS — Upgrade credit from Model 840 to 850/855	N/A	N/A	440.
Opt. OCU — Revision upgrade for user not on support services. Requires prior purchase of Opt. AEM.	188.	N/A	N/A
Opt. OCV — Revision upgrade for user not on support services. Requires prior purchase of Opt. AEN	N/A	272.	N/A
Opt. OCW — Revision upgrade for user not on support services. Requires prior purchase of Opt. AEP.	N/A	N/A	338.

HP 9000 Networking Products

Networking Services (Series 300)

Product/Opt. No.	Description	Price
50952L	NS-ARPA Services/300 License-to-Use. Media and documentation must be ordered separately.	\$950.
50952C	Media and documentation for 50952L. Requires 98643A LAN/300 Link for Models 310 and 320. Includes NS, ARPA, and Berkeley 4.2 Networking Services. Select media option. Requires prior or concurrent purchase of 50952L.	212.
Opt. 022	Software on 1/4-inch tape cartridge	N/C
50969L	NFS Services/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.
50969A	Media and documentation for 50969L. Requires prior or concurrent purchase of 50969L and 50952L/C. Order media option 022 below.	106.
Opt. 022	Software on 1/4-inch tape cartridge	N/C

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.
0CC	Revision upgrade. Requires previous purchase of 36941A	-600.
98643A	LAN/300 Link (requires 50952L/C). Includes LAN interface, 28641A ThinMAU with integrated 1 meter AUI cable, and BNC "T" connector. (Required for Models 310, 320 or 332 and for additional LAN interfaces.)	1,445.
Opt. 241	Delete ThinMAU and "T" connector for connecting to ThickLAN cable or StarLAN 10. (Must order corresponding MAU and AUI cable separately.)	-350.

ThinLAN, ThickLAN, and StarLAN Cables and Accessories

Product/Opt. No.	Description	Price
2342A	Baseband LAN 8-port Terminal Server	\$3,500. X
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.

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

Networking Products (cont'd)

Product/Opt. No.	Description	Price
ThinLAN Cables and Accessories (cont'd)		
	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.
	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.

Networking Products (cont'd)

Product/Opt. No.	Description	Price
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.

Series 300-to-IBM Data Communications

Product/Opt. No.	Description	Price
36590A	HP-UX SNA3270 Datacomm Software for Series 300	\$1,110.
Opt. 0D0	Upgrade from stand-alone to Gateway	-775.
36592A	HP-UX SNALink 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.
36591A	HP-UX Gateway/SNA3270 Datacomm Software. Required for each Series 300. Requires NS-ARPA Services/300 5052L/C.	1,110.
36593A	HP-UX Gateway/SNALink 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.
98188A	HP-UX SNA 3770 (requires 36592A HP-UX SNA Link)	1,080.
Opt. 0D0	Upgrade from stand-alone to gateway.	-760.
98184A	HP-UX Gateway/SNA 3770 (requires NS-ARPA Services/300)	1,080.
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	

5080 Emulator Products

Important: HP and Spectragraphic Site Plan and Support Plan required before ordering all 5080 Emulator

products. Ask your HP sales representative for details. HP 5080 Emulator products are only supported on the Models 340,

350, 360, 370, CH, CHX, SRX, and TurboSRX.

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 82913A 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 Opt. 200	SRM Coax Adapter Upgrade 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 Opt. 022	SRM Access Utilities for HP-UX Software on 1/4-inch tape cartridge	\$590. N/C

Series 800 Networking Products

Description	Model/Product Number/Price			
	815	825/835	840	850/855
LAN/9000 Series 800 Link. Includes Local Area Network Interface Controller (LANIC), ThinMAU with "T" connector, and 1/4-inch cartridge tape.	98189A \$3,000.	91786B \$4,365.	98194B \$6,000.	91788B \$8,190.
Opt. AA1 — Replace 1/4-inch cartridge tape with 1/2-inch 1600 cpi 9-track tape	N/C	N/C	N/C	N/C
Opt. 740 — Replace ThinMAU with ThickMAU and AUI cable	212.	212.	212.	212.
Opt. 840 — Replace ThinMAU with StarLAN 10 Assembly	N/C	N/C	N/C	N/C
Opt. 841 — Delete ThinMAU and "T" connector	N/A	-350.	-350.	-350.
Opt. OC8 — Return credit for Models 825/835 LAN/9000 Series 800 Link	N/A	N/A	-4,365.	-4,365.
Opt. OC9 — Return credit for Model 840 LAN/9000 Series 800 Link	N/A	N/A	N/A	-6,000.
Opt. OCC — Revision upgrade for users not on support services. Requires prior purchase of LAN/9000 Series 800 Link.	-2,300.	-3,000.	-3,000.	-3,000.
Opt. 1AW — Delete 1/4-inch cartridge tape. Requires prior purchase of LAN/9000 Series 800 Link (A or B product).	-700.	-1,365.	-3,000.	-5,190.
NS/9000. Requires LAN/9000 Series 800 Link. Includes software on 1/4-inch cartridge tape.	81015A 950.	91787A 2,120.	98195A 3,710.	91789A 6,360.
Opt. AA1 — Replace 1/4-inch cartridge tape with 1/2-inch 1600 cpi 9-track tape		N/C	N/C	N/C
Opt. OCA — Return credit for NS/9000 Series 500		-2,010.	-3,555.	-4,200.
Opt. OC8 — Return credit for Models 825/835 LAN/9000 Series 800 Link			-2,060.	-2,060.
Opt. OC9 — Return credit for Model 840 LAN/9000 Series 800 Link			N/A	3,605.
NS/9000 Manual Kit		98195K 265.	98195K 265.	98195K 265.
Right-to-copy NS/9000. Requires prior or concurrent purchase of original product.		91787R 1,750.	98195R 3,065.	91789R 5,250.
Opt. OC8 — Return credit for Models 825/835 LAN/9000 Series 800 Link		N/A	-1,750.	-2,060.
Opt. OC9 — Return credit for Model 840 LAN/9000 Series 800 Link			N/A	-3,605.
Opt. OCA — Return credit for NS/9000 Series 500		-1,700.	-2,050.	-4,200.
ARPA Services Manual Kit		50980K 220.	50980K 220.	50980K 220.
ARPA Services/800. Requires purchase of LAN/9000 Series 800 Link or X.25/800 Link.	81016A 800.	50981A 2,205.	50980A 4,410.	50982A 7,720.
Opt. AA0 — Software on 1/4-inch cartridge tape	50.	N/C	N/C	N/C
Opt. AA1 — Software on 1/2-inch 1600 cpi 9-track tape	50.	N/C	N/C	N/C
Opt. OC8 — Return credit for ARPA Services Models 825/835	N/A	N/A	-2,142.	-2,142.
Opt. OC9 — Return credit for ARPA Services Model 840	N/A	N/A	N/A	-4,284.
Right-to-copy ARPA Services/800. Requires prior or concurrent purchase of original product.		50981R 1,875.	50980R 3,750.	50982R 6,560.
Opt. OCA — Return credit for ARPA Services Series 500		-1,772.	-2,100.	-2,100.
Opt. OC8 — Return credit for ARPA Services Models 825/835		N/A	-1,822.	-1,822.
Opt. OC9 — Return credit for ARPA Services Model 840		N/A	N/A	-3,643.
NFS Services/800. Requires LAN/9000 Series 800 Link	81017A 650.	50970A 1,440.	50971A 3,605.	50972R 6,690.
Opt. AA0 — Software on 1/4-inch cartridge tape	50.	N/C	N/C	N/C
Opt. AA1 — Software on 1/2-inch 1600 cpi 9-track tape	50.	N/C	N/C	N/C
Opt. OC8 — Return credit for NFS Services Models 825/835	N/A	N/A	-1,400.	-1,400.
Opt. OC9 — Return credit for NFS Services Model 840	N/A	N/A	N/A	-3,500.
Right-to-copy NFS Services. Requires prior or concurrent purchase of original product. Includes documentation.		50970R 1,225.	50971R 3,065.	50972R 5,690.
Opt. OB0 — Delete manuals		N/C	N/C	N/C
Opt. OC8 — Return credit for NFS Services Models 825/835		N/A	-1,190.	-1,190.
Opt. OC9 — Return credit for NFS Services Model 840		N/A	N/A	-2,975.

Series 800 Networking Products (cont'd)

Description	Model/Product Number/Price			
	815	825/835	840	850/855
HP-UX Gateway/SNA Link. Requires NS/9000 Series 800 and LAN/9000 Series 800 Link. Requires modem. Pricing valid after Oct. 1, 1989.	98193A	98193A	98193A	98193A
Opt. 001 — 50 LUs, 1/4-inch cartridge tape (except 815)	N/A	10,000.	10,000.	10,000.
Opt. 002 — 50 LUs, 1600 BPI magnetic tape (except 815)	N/A	10,000.	10,000.	10,000.
Opt. 003 — 20 LUs, 1/4-inch cartridge tape (only 815)	5,000.	N/A	N/A	N/A
Opt. 004 — 20 LUs, 1600 BPI magnetic tape (only 815)	5,000.	N/A	N/A	N/A
Opt. 005 — NIO card (815 only. Must order)	N/C	N/A	N/A	N/A
Opt. 1AU — V.35, 64 Kbps	N/C	N/C	N/C	N/C
HP-UX Gateway SNA/3270. Requires prior or concurrent purchase of NS/9000 and LAN/9000 Series 800 Link, and access to HP-UX Gateway/SNA Link Series 300.	36949A 1,200.	36918A 3,280.	36911A 7,800.	36919A 10,900.
Opt. AA0 — Software on 1/4-inch cartridge tape	N/C	N/C	N/C	N/C
Opt. AA1 — Software on 1/2-inch 1600 cpi 9-track tape	N/C	N/C	N/C	N/C
Opt. OC8 — Return credit for Models 825/835 HP-UX Gateway SNA/3270	N/A	N/A	-3,280.	-3,280.
Opt. OC9 — Return credit for Model 840 HP-UX Gateway SNA/3270	N/A	N/A	N/A	-7,570.
Right-to-copy HP-UX Gateway/SNA 3270. Requires prior or concurrent purchase of original product.	36949R 1,020.	36918R 2,785.	36911R 6,630.	36919R 9,020.
HP-UX Gateway SNA/3770. Requires prior or concurrent purchase of NS/9000 and LAN/9000 Series 800 Link, and access to HP-UX Gateway/SNA Link Series 300.	98177A 1,200.	98185A 3,185.	98186A 7,570.	98187A 10,600.
Opt. AA0 — Software on 1/4-inch cartridge tape	N/C	N/C	N/C	N/C
Opt. AA1 — Software on 1/2-inch 1600 cpi 9-track tape	N/C	N/C	N/C	N/C
Opt. OC8 — Return credit for Models 825/835 HP-UX Gateway SNA/3770	N/A	N/A	-3,090.	-3,090.
Opt. OC9 — Return credit for Model 840 HP-UX Gateway SNA/3770	N/A	N/A	N/A	-7,570.
Right-to-copy HP-UX Gateway/SNA 3770. Requires prior or concurrent purchase of original product.	98177A 1,020.	98185R 2,705.	98186R 6,450.	98187R 9,020.
HP-UX SNA3270. Requires HP-UX SNA Link (98191A). Must choose media option below.	36948A 1,200.	36915A 3,245.	36916A 8,720.	36917A 10,800.
Opt. AA0 — 1/4-inch cartridge tape	N/C	N/C	N/C	N/C
Opt. AA1 — 1600 BPI magnetic tape	N/C	N/C	N/C	N/C
Opt. OD0 — Upgrade standalone system to gateway; 1/4-inch cartridge	-850.	-2,833.	-7,308.	-10,400.
Opt. OD1 — Upgrade standalone system to gateway; 1600 BPI tape	-850.	-2,833.	-7,308.	-10,400.
Opt. OC8 — Return credit for Models 825/835	N/A	N/A	-3,245.	-3,245.
Opt. OC9 — Return credit for Model 840	N/A	N/A	N/A	-7,720.
Right-to-copy HP-UX SNA3270. Requires prior or concurrent purchase of original product.	36948R 1,020.	36915R 2,755.	36916R 6,560.	36917R 9,190.
HP-UX SNA3770. Requires HP-UX SNA Link (98191A). Must choose media option below.	98176A 1,200.	98179A 3,090.	98180A 7,350.	98181A 10,300.
Opt. AA0 — 1/4-inch cartridge tape	N/C	N/C	N/C	N/C
Opt. AA1 — 1600 BPI magnetic tape	N/C	N/C	N/C	N/C
Opt. OD0 — Upgrade standalone system to gateway; 1/4-inch cartridge	-850.	-2,680.	-6,940.	-9,890.
Opt. OD1 — Upgrade standalone system to gateway; 1600 BPI tape	-850.	-2,680.	-6,940.	-9,890.
Opt. OC8 — Upgrade credit from Models 825/835	N/A	N/A	-3,090.	-3,090.
Opt. OC9 — Upgrade credit from Model 840	N/A	N/A	N/A	-7,350.
Right-to-copy HP-UX SNA 3770. Requires prior or concurrent purchase of original product.	98176R 1,020.	98179R 2,625.	98180R 6,260.	98181R 8,760.
HP-UX SNA Link. Requires modem. Must order user option below. Must order Opt. 005 for M/815.	98191A	98191A	98191A	98191A
Opt. 001 — 4 LUs, 1/4-inch cartridge tape	4,120.	4,120.	4,120.	4,120.
Opt. 002 — 4 LUs, 1600 BPI magnetic tape	4,120.	4,120.	4,120.	4,120.
Opt. 003 — 32 LUs, 1/4-inch cartridge tape	7,120.	7,210.	7,210.	7,210.
Opt. 004 — 32 LUs, 1600 BPI magnetic tape	7,210.	7,210.	7,210.	7,210.
Opt. 005 — NIO card (815 only. Must order.)	N/C	N/A	N/A	N/A
Opt. 1AU — V.35, 64 kbps	N/C	N/C	N/C	N/C
Opt. OD0 — Upgrade standalone system (32 LUs) to gateway; 1/4-inch cartridge	3,090.	3,090.	3,090.	3,090.
Opt. OD1 — Upgrade standalone system (32 LUs) to gateway; 1600 BPI tape	3,090.	3,090.	3,090.	3,090.

Series 800 Networking Products (cont'd)

Description	Model/Product Number/Price			
	815	825/835	840	850/855
HP-UX Gateway/SNA Link. Requires NS/9000 Series 800 and LAN/9000 Series 800 Link. Requires modem. Pricing valid until Oct. 1, 1989.	N/A	98193A	98193A	98193A
	N/A	10,300.	10,300.	10,300.
Opt. AA0 — 1/4-inch cartridge tape drive	N/A	N/C	N/C	N/C
Opt. AA1 — 1600 BPI magnetic tape	N/A	N/C	N/C	N/C
Opt. 1AU — V.35, 64 kbps	N/A	N/C	N/C	N/C
HP X.25/800 Link	36944A	36940A	36942A	36943A
	4,000.	7,720.	11,650.	13,900.
AA0 — Software on 1/4-inch cartridge tape	N/C	N/C	N/C	N/C
AA1 — Software on 1/2-inch 1600 cpi 9-track tape	N/C	N/C	N/C	N/C
1AT — RS-232-C cable	N/C	N/C	N/C	N/C
1AU — V.35 cable	N/C	N/C	N/C	N/C
1AW — Deletes software. For additional card in same SPU.	-1,000.	-3,120.	-7,050.	-9,300.
OC8 — Revision upgrade; requires previous purchase of 36940A.	-3,000.	-4,500.	-4,500.	-4,500.
OB0 — Deletes all the manuals.	-50.	-50.	-50.	-50.
OC8 — Return credit for X.25/800 for the Models 825/835 (36940A)	N/A	N/A	-7,720.	-7,720.
OC9 — Return credit for X.25/800 for the Model 840S	N/A	N/A	N/A	-11,650.
HP X.400/800		32034A	32035A	32036A
		10,000.	14,000.	18,000.
AA0 — Software on 1/4-inch cartridge tape		N/C	N/C	N/C
AA1 — Software on 1/2-inch 1600 cpi 9-track tape		N/C	N/C	N/C
OC8 — Return credit for X.400 for Models 825/835 (32034A)		N/A	-10,000.	-10,000.
OC9 — Return credit for X.400 for Model 840 (32035A)		N/A	N/A	-14,000.
Right-to-copy HP X.400/800		32034R	32035R	32036R
		8,500.	11,900.	15,300.
OB0 — Delete manuals		-50.	-50.	-50.
OC8 — Return credit for X.400 on Models 825/835		N/A	8,500.	-8,500.
OC9 — Return credit for X.400 on Model 840		N/A	N/A	-11,900.
OTS/9000 OSI Transport Services. Requires concurrent purchase of X.400.		32071A	32072A	32073A
		6,000.	10,000.	25,000.
AA0 — Software on 1/4-inch cartridge tape		N/C	N/C	N/C
AA1 — Software on magnetic tape		N/C	N/C	N/C
OC8 — Return credit for OTS for 825/835		N/C	-6,000.	-6,000.
OC9 — Return credit for OTS/840		N/A	N/A	-10,000.
Right-to-copy OTS/9000 for Models 825/835		32071R	32072R	32073R
		5,100.	8,500.	21,250.
OB0 — Delete manuals		-50.	-50.	-50.
OC8 — Return credit for OTS for 825/835		N/A	-5,100.	-5,100.
OC9 — Return credit for OTS/840		N/A	N/A	-8,500.

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 5952-6342 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.

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

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.	\$1,090.
9122C	2 Mbyte, 3 1/2-inch Dual Microfloppy Disk Drive (1.42 Mbytes formatted).	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	1,980.
Opt. 011	10 Mbyte 3 1/2-inch hard disk drive	1,725.
Opt. 020	20 Mbyte hard disk with 2 Mbytes 3 1/2-inch microfloppy disk drive	2,795.
Opt. 021	20 Mbyte 3 1/2-inch hard disk	2,435.
Opt. 040	40 Mbyte hard disk with 2 Mbytes 3 1/2-inch microfloppy disk drive	3,640.
Opt. 041	40 Mbyte 3 1/2-inch hard disk drive	3,305.

HP-IB Hard Disk Storage (41 Mbytes to 571 Mbytes)

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

Product/Opt. No.	Description	Price
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	6,950.
7935H*	404 Mbyte Removable Media Disk Drive	24,450.
7935HR*	Remarketed 404 Mbyte Removable Media Disk Drive	8,240.
Opt. 102	Discount for ordering two 7935HRs	-1,000.
Opt. 103	Discount for ordering three 7935HRs	-3,000.
7936FL	307 Mbyte Fixed Disk Drive (Series 800)	14,800.
7937H	571 Mbyte Fixed Disk Drive	15,700.
7937FL	571 Mbyte Fixed Disk Drive (Series 800)	16,250.
7957B	81 Mbyte Fixed Disk Drive	3,575.
7958B	152 Mbyte Fixed Disk Drive	4,775.
7959B	304 Mbyte Fixed Disk Drive	7,725.
7962B	152 Mbyte Fixed Disk Drive, with upgrade capability	5,275.
7963B	304 Mbyte Fixed Disk Drive, with upgrade capability	8,575.
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 927902B 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	3,750.
97963B	304 Mbyte Upgrade Kit for 7962B and 7963B with internal HP-IB cable	6,000.

* 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.



Disk/Cabinet Products

Product/Opt. No.	Description	Price
<i>Disk Accessories</i>		
19521H	Two 7937H disk drives with 19511A cabinet	\$31,825.
19521FL	Two 7937FL disk drives with 19511A cabinet (Series 800)	32,925.
19522H	Four 7937H disk drives with 19511A cabinet	65,300.
19522FL	Four 7937FL disk drives with 19514A cabinet (Series 800)	67,500.
19524H	Eight 7937H disk drives with 19514A cabinet	125,600.
19524FL	Eight 7937FL disk drives with 19514A cabinet (Series 800)	130,000.
Opt. 015	Available options for all 7936/37 and 1952X products (standard is 60 Hz, 100-120 VAC)	N/C
Opt. 017	50 Hz operation 200, 208, 220, 240 VAC operation	N/C
<i>Cabinets/Accessories</i>		
19511A	Two-drive cabinet for 7936/37 disk drives. Includes rack slides and filler panels.	1,000.
Opt. 208	Convenience receptacle/power tap for 60 Hz, 208V operation.	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.	5,000.
19512A	Adapter kit for mounting 7936/37 disk drives in 19-inch EIA cabinet.	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.	3,315.
<i>Products related to 7936FL and 7937FL disk drives (Series 800)</i>		
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	1/2-inch 1600 cpi Tape Drive. 125 ips streaming.	13,400.
Opt. 133	Add-on drive for installation below existing drive	-1,000.
Opt. 135	Rack-mount drive for standard 19-inch cabinet. Rack-mount hardware not included.	-1,300.
Opt. 137	Allows installation of 7936/37 disc below tape. Requires 19521A rack mount kit. Disc ordered separately.	300.
Opt. 800	Add 800 cpi	1,600.
7980A	1/2-inch 6250/1600 cpi Tape Drive. 125 ips streaming.	23,200.
Opt. 133	Add-on drive for installation below existing drive	-1,000.
Opt. 135	Rack-mount drive for standard 19-inch cabinet. Rack-mount hardware not included.	-1,300.
Opt. 137	Allows installation of 7936/37 disc below tape. Requires 19512A rack mount kit. Disc ordered separately.	300.
Opt. 800	Add 800 cpi	1,600.
7980XC	1/2-inch 1600/6250/6250XC cpi Tape Drive, 125 ips streaming	32,200.
Opt. 133	Add-on drive for installation below existing drive.	-1,000.
Opt. 135	Rackmount drive for standard 19-inch cabinet. Rack-mount hardware not included.	-1,300.
Opt. 137	Allows installation of 7936/37 disk below tape. Requires 19512A rack mount kit. Disk ordered separately.	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.

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	\$3,875.
7958S	161 Mbyte Fixed Disk Drive	4,325.
7959S	323 Mbyte Fixed Disk Drive	7,225.

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 PaintJet 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 Opt. 024	300/420 lpm* Impact Tabletop Printer Label card graphics	\$5,500. 2,325.
2563B Opt. 049 Opt. 290 Opt. 510 Opt. 850	300 lpm* Impact Printer RS-232C interface in printer HP 9000 HP-IB interface and 4-m cable for Series 300/500/800 Bundled option package; includes Opt. 004, 005, 008, 068 Configures the printer for use with SRM	7,990. 120. 500. 640. 500.
2564B Opt. 049 Opt. 114 Opt. 290 Opt. 510 Opt. 850	600 lpm Impact Printer RS-232C interface in printer Deletes quietized cabinet, passive stacker, and sound enclosure, and adds non-quietized cabinet. HP-IB CIPER interface for use with Series 300/500/800 Bundled option package; includes Opt. 004, 005, 008, 068 Configures the printer for use with SRM	13,250. 240. -1,600. 620. 640. 626.
2566B Opt. 049 Opt. 115 Opt. 290 Opt. 500 Opt. 850	900 lpm Impact Printer RS-232C interface in printer Passive paper stacker HP-IB CIPER interface for use with Series 300/500/800 Printer package, includes Options 004, 005, and 115 Configures the printer for use with SRM	24,950. 385. 440. 620. 640. 620.
2567B Opt. 049 Opt. 115 Opt. 290 Opt. 500	1200 lpm Impact Printer RS-232C interface in printer Passive paper stacker HP-IB interface in printer, configured for CIPER (HP-UX) Printer package; includes Options 004, 005, and 115	32,000. 385. 440. 660. 700.

*Key: lpm = lines per minute

Page Printers

Product/Opt. No.	Description	Price
33440A	LaserJet Series II 8 ppm* Printer	\$2,695.
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 Product Short Line Interface Kit for LaserJet 2000	500.
26843D	Data Products Long Line Interface Kit for LaserJet 2000	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	595.
33444B	2 Mbyte Memory Board for LaserJet Series II and IID printers	1,195.
33445B	4 Mbyte Memory Board for LaserJet Series II and IID printers	2,295.

* Key: ppm = pages per minute

† Interface not included.

Graphics Devices

Product/Opt. No.	Description	Price
3630A	HP PaintJet Color Graphics Printer, 8 x 11-inch size	\$1,395.
Opt. 001	RS-232C Interface	N/C
Opt. 002	HP-IB Interface	N/C
7440A	ColorPro 8-Pen Graphics Plotter, for A4/A-size media	1,295.
Opt. 001	RS-232C Interface	N/C
Opt. 002	HP-IB Interface	N/C
7475A	A ... B-size, 6-Pen Plotter	1,895.
Opt. 001	RS-232C Interface	N/C
Opt. 002	HP-IB Interface	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	HP7600 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
C1002A	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.	\$1,150.
C1002G	HP 700/94; amber screen	1,150.
C1002W	HP 700/94; green screen	1,150.
	HP 700/94; soft white screen	1,150.
C1001A	HP 700/92 Block-Mode Display Terminal, 14-inch screen, 8-page memory, printer port, 80- and 132-column.	895.
C1001G	HP 700/92 with amber screen	895.
C1001W	HP 700/92 with green screen	895.
	HP 700/92 with soft white screen	895.
C1004A	HP 700/22 ANSI DEC VT220 Compatible Terminal, 14-inch screen, 4-page memory, 80- and 132-column.	529.
C1004G	HP 700/22 with amber screen	529.
C1004W	HP 700/22 with green screen	529.
	HP 700/22 with soft white screen	529.
C1003A	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.	429.
C1003G	HP 700/41 with amber screen	429.
	HP 700/41 with green screen	429.
C1006A	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.	499.
C1006G	HP 700/43 with amber screen	499.
C1006W	HP 700/43 with green screen	499.
	HP 700/43 with soft-white screen	499.
C1007A	HP 700/44PC Terminal used with multiuser PCs, 14-inch screen, 4 pages memory, 80/132 column data, and VT220/100/52 emulation.	599.
C1007G	Amber display	599.
C1007W	Green display	599.
	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.
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.
19500B	EIA 19-inch Rack Mounting Kit for 91XX, and 795x/A/B/S 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.
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.

HP 9000 Hardware Support Services

Overview

At Hewlett-Packard, we want you to get the most from your workstation products. To meet the goals of maximum uptime and productivity at minimum cost, our products are backed by a wide range of hardware services designed to meet your price/performance needs.

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.

Our support services let you choose your hardware maintenance program depending upon whether your highest priority is a quick response or a low cost for your workstation products. These services are available for most HP computers, plotters, printers, terminals, and associated peripherals. You receive the services of an HP Customer Engineer specially trained in the type of equipment you have. And you get the support level that is right for you, for a known cost.

HP maintains a staff of trained Customer Engineers and stocks each Service Responsible Office and Customer Service Center with its own service inventory and tools, assuring you that quality maintenance service will be available when you need it.

Summary of Hardware Support Services

Service	Place of Service	Response Time
Standard (SMMC)	Customer Site (0-100 miles radius from HP Primary Service Responsible Office)	Four Hours
BASIC (BMMC)	Customer Site (0-100 miles radius from HP Primary Service Responsible Office)	Next Day
Priority (WMMC)	Customer Site (0-100 miles radius from HP Primary Service Responsible Office)	Four Hours
Next Day (PMMC)	Customer Site (0-100 miles radius from HP Primary Service Responsible Office)	Next Day
Scheduled (Sched.)	Customer Site (0-100 miles radius from HP Primary Service Responsible Office (SRO))	Scheduled Weekly

Standard System Maintenance Service (SMMC)

Standard System Maintenance Service provides four-hour response from 8:00 a.m. to 9:00 p.m. every business day, excluding HP holidays. Extended coverage options are available to provide service up to 7 days per week, 24 hours per day.

Basic System Maintenance Service (BMMC)

Basic System Maintenance Service provides you with next-business-day response from 8:00 a.m. to 5:00 p.m. during the standard work week. These services include an account-assigned CE and work-to-completion features.

If your HP 9000 is used as a stand-alone workstation, the following services may be appropriate:

Priority On-site Service (WMMC)

Priority On-site Service offers a four-hour response time for

on-site service. Support coverage is from 8:00 a.m. to 5:00 p.m. every business day, excluding HP holidays.

Next Day On-site Service (PMMC)

Next Day On-site Service gives you next-business-day response between the hours of 8:00 a.m. to 5:00 p.m., Monday through Friday, excluding HP holidays.

Scheduled On-site Service (Sched.)

When backup equipment is available, you can meet your up-time requirements and receive economical on-site support with Scheduled On-site Service. With 25 units or more under contract, HP will perform repairs at a designated location on a scheduled weekly basis during normal business hours, excluding HP holidays.

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

Entry Level Workstations

Product No.	Description	Sched.	PMMC	WMMC	BMMC	SMMC
98563B	Model 318M Workstation	13.	19.	34.	19.	34.
Opt. 060		N/C	N/C	N/C	N/C	N/C
Opt. 084		N/C	N/C	N/C	N/C	N/C
98564A	Model 319C+ Workstation	10.	14.	22.	14.	26.
Opt. 010		N/C	N/C	N/C	N/C	N/C
Opt. 011		2.	3.	6.	3.	6.
Opt. 060		N/C	N/C	N/C	N/C	N/C
Opt. 084		N/C	N/C	N/C	N/C	N/C
Opt. 108		1.	2.	5.	2.	5.
Opt. 112		3.	4.	9.	4.	9.
Opt. 116		5.	8.	14.	8.	14.
Opt. 719		9.	15.	26.	15.	26.
98573A	319SRX Solid Rendering Workstation	39.	60.	112.	N/A	112.
Opt. 016		8.	11.	17.	N/A	19.
Opt. 024		12.	18.	31.	N/A	31.
Opt. 032		16.	25.	43.	N/A	43.
Opt. 060		N/C	N/C	N/C	N/A	N/C
Opt. 084		N/C	N/C	N/C	N/A	N/C
Opt. 108		2.	3.	5.	N/A	5.
Opt. 112		3.	4.	9.	N/A	9.
Opt. 116		5.	8.	14.	N/A	14.
Opt. 719		9.	14.	23.	N/A	23.

RAM Upgrades

Product No.	Description	Sched.	PMMC	WMMC	BMMC	SMMC
98266A	RAM Upgrade	1.	2.	4.	2.	4.
98266B	RAM Upgrade	3.	4.	9.	4.	9.
98267A	Model 360 4 Mbytes RAM Board	1.	2.	4.	2.	4.
98267B	Model 360 8 Mbytes RAM Board	2.	3.	6.	3.	6.
98267C	Model 360 12 Mbytes RAM Board	4.	6.	11.	6.	11.

System Processing Units (SPUs)

Product No.	Description	Sched.	PMMC	WMMC	BMMC	SMMC
98561A	Model 310 SPU	6.	9.	16.	15.	16.
Opt. 002		N/C	N/C	N/C	N/C	N/C
Opt. 003		N/C	N/C	N/C	N/C	N/C
Opt. 004		N/C	N/C	N/C	N/C	N/C
Opt. W03		N/C	N/C	N/C	N/C	N/C
98561B	Model 320 SPU	9.	13.	23.	13.	23.
98561C	Model 320U SPU	25.	38.	70.	38.	70.
98562A	Model 330 SPU	8.	11.	20.	11.	20.
Opt. 006		N/C	N/C	N/C	N/C	N/C
Opt. 010		N/C	N/C	N/C	N/C	N/C
Opt. 011		N/C	N/C	N/C	N/C	N/C
Opt. 015		N/C	N/C	N/C	N/C	N/C
Opt. 017		N/C	N/C	N/C	N/C	N/C
Opt. W03		N/C	N/C	N/C	N/A	N/C
98562B	Model 350 SPU	15.	24.	43.	24.	43.
Opt. 011		N/C	N/C	N/C	N/C	N/C
Opt. 015		N/C	N/C	N/C	N/C	N/C
Opt. 017		N/C	N/C	N/C	N/C	N/C
Opt. 116		8.	11.	18.	10.	18.
Opt. 208		-1.	N/C	2.	N/C	2.
Opt. 216		2.	4.	7.	4.	7.
Opt. 605		N/A	N/C	N/C	N/A	N/C
Opt. 606		N/A	N/C	N/C	N/A	N/C
Opt. W03		N/C	N/C	N/C	N/A	N/C

System Processing Units (SPUs) (cont'd)

Product No.	Description	Sched.	PMMC	WMMC	BMMC	SMMC
98579A	Model 360 SPU	8.	11.	20.	11.	20.
Opt. 006		N/C	N/C	N/C	N/C	N/C
Opt. 010		N/C	N/C	N/C	N/C	N/C
Opt. 011		N/C	N/C	N/C	N/A	N/C
Opt. 015		1.	2.	4.	2.	4.
Opt. 017		1.	2.	4.	2.	4.
Opt. 108		1.	2.	4.	2.	4.
Opt. 112		2.	3.	6.	3.	6.
Opt. 116		4.	7.	11.	6.	11.
98579B	Model 370 SPU	15.	22.	40.	22.	40.
Opt. 011		N/C	N/C	N/C	N/C	N/C
Opt. 015		1.	2.	4.	2.	4.
Opt. 017		1.	2.	4.	2.	4.
Opt. 116		8.	11.	18.	10.	18.
Opt. 208		-1.	N/C	2.	N/C	2.
Opt. 216		2.	4.	7.	4.	7.

Series 300 Configurable Systems

Model 330 Workstations

Product No.	Description	Sched.	PMMC	WMMC	BMMC	SMMC
98583S	Model 330C Color Workstation	11.	16.	30.	N/A.	30.
Opt. 006		N/C	N/C	N/C	N/A	N/C
Opt. 010		N/C	N/C	N/C	N/A	N/C
Opt. 011		N/C	N/C	N/C	N/A	N/A
Opt. 015		N/A	N/C	N/C	N/A	N/C
Opt. 017		N/C	N/C	N/C	N/A	N/C
Opt. 719		9.	15.	26.	N/A	26.
98588S	Model 330CH/CHX 2D Color Workstation	11.	16.	30.	N/A	30.
Opt. 006		N/C	N/C	N/C	N/A	N/C
Opt. 010		N/C	N/C	N/C	N/A	N/C
Opt. 011		N/C	N/C	N/C	N/A	N/A
Opt. 015		N/A	N/C	N/C	N/A	N/C
Opt. 017		N/C	N/C	N/C	N/A	N/C
Opt. 556		3.	4.	7.	N/A	7.
Opt. 719		9.	14.	23.	N/A	23.
98582S	Model 330M Monochrome Workstation	14.	21.	38.	21.	38.
Opt. 006		N/C	N/C	N/C	N/C	N/C
Opt. 010		N/C	N/C	N/C	N/C	N/C
Opt. 011		N/C	N/C	N/C	N/C	N/C
Opt. 015		N/A	N/C	N/C	N/C	N/C
Opt. 017		N/C	N/C	N/C	N/C	N/C
98589S	Model 330MH 2D Monochrome Workstation	14.	21.	38.	N/A	38.
opt. 006		N/C	N/C	N/C	N/A	N/C
Opt. 010		N/C	N/C	N/C	N/A	N/C
Opt. 011		N/C	N/C	N/C	N/A	N/A
Opt. 015		N/A	N/C	N/C	N/A	N/C
Opt. 017		N/C	N/C	N/C	N/A	N/C

Model 340 Workstations

Product No.	Description	Sched.	PMMC	WMMC	BMMC	SMMC
98564C	Model 340C+ Color Workstation	11.	16.	30.	16.	30.
Opt. 006		N/C	N/C	N/C	N/C	N/C
Opt. 010		N/C	N/C	N/C	N/C	N/C
Opt. 011		N/C	N/C	N/C	N/C	N/C
Opt. 015		N/C	N/C	N/C	N/C	N/C
Opt. 017		N/C	N/C	N/C	N/C	N/C
Opt. 060		N/C	N/C	N/C	N/C	N/C
Opt. 084		N/C	N/C	N/C	N/C	N/C
Opt. 108		1.	2.	4.	2.	4.
Opt. 112		3.	4.	8.	4.	8.
Opt. 116		4.	6.	12.	6.	12.
Opt. 719		9.	15.	26.	15.	26.
98564G	Model 340CH 2D Color Workstation	11.	16.	30.	16.	30.
Opt. 006		N/C	N/C	N/C	N/C	N/C
Opt. 010		N/C	N/C	N/C	N/C	N/C
Opt. 011		N/C	N/C	N/C	N/C	N/C
Opt. 015		N/C	N/C	N/C	N/C	N/C
Opt. 017		N/C	N/C	N/C	N/C	N/C
Opt. 060		N/C	N/C	N/C	N/C	N/C
Opt. 084		N/C	N/C	N/C	N/C	N/C
Opt. 108		1.	2.	4.	2.	4.
Opt. 112		3.	4.	8.	4.	8.
Opt. 116		3.	6.	12.	6.	12.
Opt. 556		3.	4.	7.	4.	7.
Opt. 719		9.	14.	23.	14.	23.
98563E	Model 340M Monochrome Workstation	14.	21.	38.	21.	38.
Opt. 006		N/C	N/C	N/C	N/C	N/C
Opt. 010		N/C	N/C	N/C	N/C	N/C
Opt. 011		N/C	N/C	N/C	N/C	N/C
Opt. 015		N/C	N/C	N/C	N/C	N/C
Opt. 017		N/C	N/C	N/C	N/C	N/C
Opt. 060		N/C	N/C	N/C	N/C	N/C
Opt. 084		N/C	N/C	N/C	N/C	N/C
Opt. 108		1.	2.	4.	2.	4.
Opt. 112		3.	4.	8.	8.	8.
Opt. 116		4.	6.	12.	6.	12.
98563G	Model 340MH 2D Monochrome Workstation	14.	21.	38.	32.	40.
Opt. 006		N/C	N/C	N/C	N/C	N/C
Opt. 010		N/C	N/C	N/C	N/C	N/C
Opt. 011		N/C	N/C	N/C	N/C	N/C
Opt. 015		N/C	N/C	N/C	N/C	N/C
Opt. 017		N/C	N/C	N/C	N/C	N/C
Opt. 060		N/C	N/C	N/C	N/C	N/C
Opt. 084		N/C	N/C	N/C	N/C	N/C
Opt. 108		1.	2.	4.	2.	4.
Opt. 112		3.	4.	8.	4.	8.
Opt. 116		4.	6.	12.	6.	12.
98573C	Model 340SRX Solid Rendering Workstation	37.	57.	106.	57.	106.
Opt. 010		N/C	N/C	N/C	N/C	N/C
Opt. 011		N/C	N/C	N/C	N/C	N/C
Opt. 015		N/C	N/C	N/C	N/C	N/C
Opt. 017		N/C	N/C	N/C	N/C	N/C
Opt. 016		8.	11.	19.	11.	19.
Opt. 024		12.	18.	31.	18.	31.
Opt. 032		16.	25.	43.	25.	43.
Opt. 060		N/C	N/C	N/C	N/C	N/C
Opt. 084		N/C	N/C	N/C	N/C	N/C
Opt. 108		1.	2.	4.	2.	4.
Opt. 112		3.	4.	8.	4.	8.
Opt. 116		4.	6.	12.	6.	12.
Opt. 719		19.	14.	23.	14.	23.

Model 350 Workstations

Product No.	Description	Sched.	PMMC	WMMC	BMMC	SMMC
98588E	Model 350C Color Workstation	27.	43.	76.	N/A	76.
Opt. 011		N/C	N/C	N/C	N/A	N/A
Opt. 015		N/A	N/C	N/C	N/C	N/C
Opt. 017		N/C	N/C	N/C	N/A	N/C
Opt. 116		8.	11.	18.	N/A	18.
Opt. 208		-1.	N/C	2.	N/A	2.
Opt. 216		2.	4.	7.	N/A	7.
Opt. 556		3.	4.	7.	N/A	7.
Opt. 716		-9.	-14.	-23.	N/A	-23.
98584E	Model 350CH/CHX 2D Color Workstation	22.	34.	61.	N/A	61.
Opt. 011		N/C	N/C	N/C	N/A	N/A
Opt. 015		N/A	N/C	N/C	N/A	N/C
Opt. 017		N/C	N/C	N/C	N/A	N/C
Opt. 116		8.	11.	18.	N/A	18.
Opt. 208		-1.	N/C	2.	N/A	2.
Opt. 216		2.	4.	7.	N/A	7.
98586E	Model 350CX Color Workstation With Graphics Accelerator	48.	76.	137.	N/A	137.
Opt. 011		N/C	N/C	N/C	N/A	N/A
Opt. 015		N/A	N/C	N/C	N/A	N/C
Opt. 017		N/C	N/C	N/C	N/A	N/C
Opt. 116		8.	11.	18.	N/A	18.
Opt. 208		-1.	N/C	2.	N/A	2.
Opt. 216		2.	4.	7.	N/A	7.
98582E	Model 350M Monochrome Workstation	22.	34.	61.	34.	61.
Opt. 011		N/C	N/C	N/C	N/C	N/C
Opt. 015		N/A	N/C	N/C	N/C	N/C
Opt. 017		N/C	N/C	N/C	N/C	N/C
Opt. 116		8.	11.	18.	N/A	18.
Opt. 208		-1.	N/C	2.	N/A	2.
Opt. 216		2.	4.	7.	N/A	7.
98589E	Model 350MH Monochrome Workstation	22.	34.	61.	N/A	61.
Opt. 011		N/C	N/C	N/C	N/A	N/A
Opt. 015		N/A	N/C	N/C	N/A	N/C
Opt. 017		N/C	N/C	N/C	N/A	N/C
Opt. 116		8.	11.	18.	N/A	18.
Opt. 208		-1.	N/C	2.	N/A	2.
Opt. 216		2.	4.	7.	N/A	7.
98587E	Model 350SRX Solid Rendering Workstation	49.	77.	122.	N/A	154.
Opt. 016		7.	10.	16.	N/A	20.
Opt. 024		11.	16.	26.	N/A	32.
Opt. 032		15.	22.	36.	N/A	44.
Opt. 011		N/C	N/C	N/C	N/A	N/A
Opt. 015		N/A	N/C	N/C	N/A	N/C
Opt. 017		N/C	N/C	N/C	N/A	N/C
Opt. 116		8.	10.	16.	N/A	20.
Opt. 208		-1.	N/C	1.	N/A	N/C
Opt. 216		2.	3.	5.	N/A	6.
98587F	Model 350TurboSRX Solid Rendering Workstation	57.	90.	161.	N/A	161.
Opt. 011		N/C	N/C	N/C	N/A	N/C
Opt. 017		N/C	N/C	N/C	N/A	N/C
Opt. 116		8.	11.	18.	N/A	18.
Opt. 208		-1.	N/C	2.	N/A	2.
Opt. 216		2.	4.	7.	N/A	7.
Opt. 608		34.	53.	96.	N/A	96.
Opt. 616		39.	60.	108.	N/A	108.
Opt. 624		43.	67.	120.	N/A	120.

Model 360 Workstations

Product No.	Description	Sched.	PMMC	WMMC	BMMC	SMMC
98583W	Model 360C+ Color Workstation	11.	16.	30.	N/A	30.
Opt. 010		N/C	N/C	N/C	N/A	N/C
Opt. 011		N/C	N/C	N/C	N/A	N/C
Opt. 015		1.	2.	4.	N/A	4.
Opt. 017		1.	2.	4.	N/A	4.
Opt. 116		4.	7.	11.	N/A	11.
Opt. 108		1.	2.	4.	N/A	4.
Opt. 112		2.	3.	6.	N/A	6.
Opt. 716		N/A	N/A	N/A	N/A	N/A
98588W	Model 360CH 2D Color Workstation	11.	16.	30.	N/A	30.
Opt. 006		N/C	N/C	N/C	N/A	N/C
Opt. 010		N/C	N/C	N/C	N/A	N/C
Opt. 011		N/C	N/C	N/C	N/A	N/C
Opt. 015		1.	2.	4.	N/A	4.
Opt. 017		1.	2.	4.	N/A	4.
Opt. 108		1.	2.	4.	N/A	4.
Opt. 112		2.	3.	6.	N/A	6.
Opt. 116		4.	7.	11.	N/A	11.
Opt. 556		3.	4.	7.	N/A	7.
Opt. 719		9.	14.	23.	N/A	23.
98589W	Model 360MH 2D Color Workstation	14.	21.	38.	N/A	38.
Opt. 006		N/C	N/C	N/C	N/A	N/C
Opt. 010		N/C	N/C	N/C	N/A	N/C
Opt. 011		N/C	N/C	N/C	N/A	N/C
Opt. 015		1.	2.	4.	N/A	4.
Opt. 017		1.	2.	4.	N/A	4.
Opt. 108		1.	2.	4.	N/A	4.
Opt. 112		2.	3.	6.	N/A	6.
Opt. 116		4.	7.	11.	N/A	11.
98587W	Model 360 SRX Solid Rendering Workstation	37.	57.	106.	N/A	100.
Opt. 011		N/C	N/C	N/C	N/A	N/C
Opt. 015		1.	2.	4.	N/A	4.
Opt. 017		1.	2.	4.	N/A	4.
Opt. 016		8.	11.	19.	N/A	19.
Opt. 024		12.	18.	31.	N/A	31.
Opt. 032		16.	25.	4.	N/A	43.
Opt. 108		1.	2.	34.	N/A	4.
Opt. 112		2.	3.	6.	N/A	6.
Opt. 116		4.	7.	11.	N/A	11.
Opt. 719		9.	14.	23.	N/A	23.

Model 370 Workstations

Product No.	Description	Sched.	PMMC	WMMC	BMMC	SMMC
98583E	Model 370C+ Color Workstation	28.	44.	79.	N/A	77.
Opt. 011		N/C	N/C	N/C	N/A	N/A
Opt. 015		N/A	N/C	N/C	N/A	N/C
Opt. 017		N/C	N/C	N/C	N/A	N/C
Opt. 116		8.	11.	18.	N/A	18.
Opt. 208		-1.	N/C	2.	N/A	2.
Opt. 216		2.	4.	7.	N/A	7.
Opt. 716		-9.	-15.	-26.	N/A	-26.
98588G	Model 370CH Color Workstation	27.	41.	73.	N/A	73.
Opt. 011		N/C	N/C	N/C	N/A	N/C
Opt. 015		1.	2.	4.	N/A	4.
Opt. 017		1.	2.	4.	N/A	4.
Opt. 116		8.	11.	18.	N/A	18.
Opt. 208		-1.	N/C	2.	N/A	2.
Opt. 216		2.	4.	7.	N/A	7.
Opt. 556		3.	4.	7.	N/A	7.
Opt. 716		-9.	-14.	-23.	N/A	-23.
98589G	Model 370MH Monochrome Workstation	22.	32.	58.	N/A	58.
Opt. 011		N/C	N/C	N/C	N/A	N/C
Opt. 015		1.	2.	4.	N/A	4.
Opt. 017		1.	2.	4.	N/A	4.
Opt. 116		8.	11.	18.	N/A	18.
Opt. 208		-1.	N/C	2.	N/A	2.
Opt. 216		2.	4.	7.	N/A	7.
98587G	Model 370 SRX Solid Rendering Workstation	53.	82.	149.	N/A	149.
Opt. 016		8.	11.	19.	N/A	19.
Opt. 024		12.	18.	31.	N/A	31.
Opt. 032		16.	25.	43.	N/A	43.
Opt. 011		N/C	N/C	N/C	N/A	N/C
Opt. 015		1.	2.	4.	N/A	4.
Opt. 017		1.	2.	4.	N/A	4.
Opt. 116		8.	11.	18.	N/A	18.
Opt. 208		-1.	N/C	2.	N/A	2.
Opt. 216		2.	4.	7.	N/A	7.
Opt. 716		N/A	-14.	-23.	N/A	-23.
98587H	Model 370 TurboSRX Solid Rendering Workstation	60.	92.	165.	N/A	165.
Opt. 011		N/C	N/C	N/C	N/A	N/C
Opt. 015		1.	2.	4.	N/A	4.
Opt. 017		1.	2.	4.	N/A	4.
Opt. 116		8.	11.	18.	N/A	18.
Opt. 208		-1.	N/C	2.	N/A	3.
Opt. 216		2.	4.	7.	N/A	7.
Opt. 608		34.	53.	96.	N/A	96.
Opt. 616		39.	60.	108.	N/A	108.
Opt. 624		43.	67.	120.	N/A	120.
Opt. 716		-9.	-14.	-23.	N/A	-23.
Opt. 416		4.	7.	12.	N/A	12.
Opt. 424		9.	14.	24.	N/A	24.

Series 300 Instrument Controllers

Model PC-305, PC-308, PC-312, and PC-315 Instrument Controllers

Product No.	Description	Sched.	PMMC	WMMC	BMMC	SMMC
82316Dx	PC-305M BASIC Controller	10.	14.	25.	N/A	25.
Opt. 001		2.	3.	6.	N/A	6.
Opt. 002		2.	3.	6.	N/A	6.
Opt. 003		2.	3.	6.	N/A	6.
82317Dx	PC-305ML BASIC Controller	10.	14.	25.	N/A	25.
Opt. 001		2.	3.	6.	N/A	6.
Opt. 002		2.	3.	6.	N/A	6.
Opt. 003		2.	3.	6.	N/A	6.
82314E	PC-308ML BASIC Controller	9.	16.	29.	N/A	46.
82315E	PC-308CL BASIC Controller	11.	19.	35.	N/A	35.
82317E	PC-305ML BASIC Controller	8.	14.	25.	N/A	25.
82319E	PC-308CM BASIC Controller	12.	19.	35.	N/A	35.
82332E	PC-312CL BASIC Controller	10.	25.	46.	N/A	46.
82333E	PC-312CN BASIC Controller	14.	25.	46.	N/A	46.
82334E	PC-315CN BASIC Controller	18.	27.	49.	N/A	46.

Model 310 Instrument Controllers

Product No.	Description	Sched.	PMMC	WMMC	BMMC	SMMC
98581B	Model 310C Low-cost Color Instrument Controller	8.	11.	20.	N/A	20.
Opt. 005		N/C	N/C	N/C	N/A	N/C
Opt. 008		N/C	N/C	N/C	N/A	N/C
98580B	Model 310M Monochrome Instrument Controller System	8.	11.	20.	11.	20.
Opt. 005		N/C	N/C	N/C	N/A	N/C
Opt. 002		N/C	N/C	N/C	N/A	N/C
Opt. 008		N/C	N/C	N/C	N/A	N/C
32333DX	PC312CM BASIC Controller	N/A	N/A	N/A	N/A	N/A
Opt. W03		N/A	N/A	N/A	N/A	N/A

Model 330 Instrument Controllers

Product No.	Description	Sched.	PMMC	WMMC	BMMC	SMMC
98581S	Model 330CMA Color Instrument Controller	9.	13.	24.	13.	24.
Opt. 015		N/C	N/C	N/C	N/C	N/C
Opt. 017		N/C	N/C	N/C	N/C	N/C
98580S	Model 330MMA Monochrome Instrument Controller	9.	13.	24.	13.	24.
Opt. 015		N/C	N/C	N/C	N/C	N/C
Opt. 017		N/C	N/C	N/C	N/C	N/C

Model 332 Instrument Controllers

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

Series R Controllers

Product No.	Description	Sched.	PMMC	WMMC	BMMC	SMMC
A1303A	R/332 with 3 1/2-inch floppy BASIC and Touchscreen	9.	11.	20.	11.	20.
A1305A	R/332 with 3 1/2-inch floppy, 20 Mbyte hard disk, BASIC, Touchscreen	9.	13.	23.	13.	23.
A1307A	R/332 with 3 1/2-inch floppy, 40 Mbyte hard disk, BASIC, Touchscreen	10.	15.	28.	15.	27.

Model 360 Instrument Controllers

Product No.	Description	Sched.	PMMC	WMMC	BMMC	SMMC
98581W	Model 360 CMA Color HP BASIC/WS Instrument Controller	9.	13.	24.	N/A	24.
Opt. 015		1.	2.	4.	N/A	4.
Opt. 017		1.	2.	4.	N/A	4.
Opt. 108		1.	2.	4.	N/A	4.
Opt. 112		2.	3.	6.	N/A	6.
Opt. 116		4.	7.	11.	N/A	11.
Opt. 710						
98581WX	Model 360 CMAX Color HP BASIC/UX Instrument Controller	11.	16.	30.	N/A	30.
Opt. 015		1.	2.	4.	N/A	4.
Opt. 017		1.	2.	4.	N/A	4.
Opt. 108		1.	2.	4.	N/A	4.
Opt. 112		2.	3.	6.	N/A	6.
Opt. 116		4.	7.	11.	N/A	11.
Opt. 402		11.	20.	25.	N/A	25.
98580W	Model 360 MMA Monochrome HP BASIC/WS Instrument Controller	9.	13.	24.	N/A	24.
Opt. 015		1.	2.	4.	N/A	4.
Opt. 017		1.	2.	4.	N/A	4.
Opt. 108		1.	2.	4.	N/A	4.
Opt. 112		2.	3.	6.	N/A	6.
Opt. 116		4.	7.	11.	N/A	11.
98580WX	Model 360 MMAX Monochrome HP BASIC/UX Instrument Controller	14.	21.	38.	N/A	38.
Opt. 015		1.	2.	4.	N/A	4.
Opt. 017		1.	2.	4.	N/A	4.
Opt. 108		1.	2.	4.	N/A	4.
Opt. 112		2.	3.	6.	N/A	6.
Opt. 116		4.	7.	11.	N/A	11.
Opt. 003		-5.	-10.	-18.	N/A	-18.

Series 300 Network Servers

Product No.	Description	Sched.	PMMC	WMMC	BMMC	SMMC
98564E	Model 15NS Design Automation Network Server	N/A	N/A	N/A	44.	69.
Opt. 015		N/A	N/A	N/A	N/A	N/A
Opt. 017		N/A	N/A	N/A	N/A	N/A
Opt. 112		N/A	N/A	N/A	2.	4.
Opt. 116		N/A	N/A	N/A	4.	9.
Opt. 401		N/A	N/A	N/A	13.	23.
Opt. 549		N/A	N/A	N/A	5.	10.
98566E	Model 25NS Design Automation Network Server	N/A	N/A	N/A	92.	145.
Opt. 015		N/A	N/A	N/A	N/C	N/C
Opt. 017		N/A	N/A	N/A	N/C	N/C
Opt. 316		N/A	N/A	N/A	4.	5.
Opt. 332		N/A	N/A	N/A	13.	21.
Opt. 548		N/A	10.	N/A	10.	18.
Opt. 550		N/A	N/A	N/A	19.	33.

Series 800 Multiuser Computer Systems

Product No.	Description	Return to HP		On-Site Service			
		FMMC	PMMC	Sched.	WMMC	BMMC	SMMC
A1004A	Model 825S Computer System	N/A	N/A	N/A	N/A	\$163.	\$204.
Opt. 001	Additional 2 Mbyte ECC RAM board	N/A	N/A	N/A	N/A	N/C	N/C
Opt. 002	Additional 8 Mbyte RAM	N/A	N/A	N/A	N/A	N/C	N/C
Opt. 0E1	Add powerfail battery backup system	N/A	N/A	N/A	N/A	13.	16.
Opt. 003	Expander and CIO channel adapter	N/A	N/A	N/A	N/A	17.	23.
Opt. 515	Delete standard 8 Mbytes; add 16 Mbyte board	N/A	N/A	N/A	N/A	N/C	N/C
Opt. 516	Additional 16 Mbytes; add 16 Mbyte board	N/A	N/A	N/A	N/A	N/C	N/C
Opt. 531	Delete standard 8 Mbytes; add 32 Mbytes	N/A	N/A	N/A	N/A	N/C	N/C
A1035A	Model 835S Multi-user Computer System	N/A	N/A	N/A	N/A	203.	276.
Opt. 0E1	Add powerfail battery backup system	N/A	N/A	N/A	N/A	13.	16.
Opt. 002	Additional 8 Mbyte RAM Board	N/A	N/A	N/A	N/A	N/C	N/C
Opt. 515	Delete standard 8 Mbytes RAM memory; add 16 Mbyte RAM memory board	N/A	N/A	N/A	N/A	N/C	N/C
Opt. 516	Add 16 Mbyte RAM board	N/A	N/A	N/A	N/A	N/C	N/C
Opt. 513	Delete standard 8 Mbytes RAM memory; add 32 Mbytes (two 16 Mbyte memory boards)	N/A	N/A	N/A	N/A	N/A	N/A
A1040A	Model 835SE Multi-user Computer	N/A	N/A	N/A	N/A	321.	426.
Opt. 002	Additional 8 Mbyte RAM board	N/A	N/A	N/A	N/A	N/C	N/C
Opt. 515	Delete standard 24 Mbytes RAM memory; add 32 Mbyte RAM memory board	N/A	N/A	N/A	N/A	N/C	N/C
Opt. 516	Add 16 Mbyte RAM board	N/A	N/A	N/A	N/A	N/C	N/C
9741A	Model 840 Computer System	N/A	N/A	N/A	N/A	427.	533.
Opt. 508	Add 8 Mbytes ECC RAM	N/A	N/A	N/A	N/A	N/C	N/C
Opt. 531	Delete standard 8 Mbytes RAM memory; add 32 Mbytes memory (two 16 Mbyte RAM memory boards)	N/A	N/A	N/A	N/A	N/C	N/C
Opt. 532	Add 32 Mbytes ECC RAM	N/A	N/A	N/A	N/A	N/C	N/C
Opt. 601	Add CIO Adapter, 16-slot CIO Expansion Bay and Cabinet	N/A	N/A	N/A	N/A	59.	74.
9742A	Model 850S Computer System	N/A	N/A	N/A	N/A	548.	685.
Opt. 516	Add 16 Mbyte RAM Board	N/A	N/A	N/A	N/A	N/C	N/C
Opt. 601	Add CIO terminal expander	N/A	N/A	N/A	N/A	41.	51.
Opt. 602	Add expansion module kit	N/A	N/A	N/A	N/A	39.	48.
Opt. 603	Add add-on expander	N/A	N/A	N/A	N/A	41.	51.
Opt. 828	Add floating point upgrade	N/A	N/A	N/A	N/A	17.	21.
A1114A	Model 855S Multiuser Computer	N/A	N/A	N/A	N/A	649.	811.
Opt. 516	Add 16 Mbyte RAM board	N/A	N/A	N/A	N/A	N/C	N/C
Opt. 601	Add CIO Terminal Expander	N/A	N/A	N/A	N/A	41.	51.
Opt. 602	Add Expansion Module Kit	N/A	N/A	N/A	N/A	39.	48.
Opt. 603	Add-on Expander	N/A	N/A	N/A	N/A	41.	51.
Opt. 828	Add floating point upgrade	N/A	N/A	N/A	N/A	N/A	N/A

NOTE: An entry of "N/A" means that the indicated contractual support is not available.

Series 800 Superworkstations

Product No.	Description	Return to HP		On-Site Service			
		FMMC	PMMC	Sched.	WMMC	BMMC	SMMC
A1005A	Model 825SRX Solid Rendering Superworkstation	N/A	N/A	N/A	N/A	\$235.	\$330.
Opt. 001	Additional 2 Mbyte ECC RAM board	N/A	N/A	N/A	N/A	N/C	N/C
Opt. 002	Additional 8 Mbyte RAM	N/A	N/A	N/A	N/A	N/C	N/C
Opt. 003	Add ThinMAU	N/A	N/A	N/A	N/A	3.	4.
Opt. 004	Add ThickMAU	N/A	N/A	N/A	N/A	9.	13.
Opt. 016	Add one 8-plane frame buffer	N/A	N/A	N/A	N/A	11.	19.
Opt. 024	Add two 8-plane frame buffers	N/A	N/A	N/A	N/A	18.	31.
Opt. 032	Add three 8-plane frame buffers	N/A	N/A	N/A	N/A	25.	43.
Opt. 0E1	Add powerfail battery backup system	N/A	N/A	N/A	N/A	13.	16.
Opt. 515	Add 16 Mbytes RAM; delete 8 Mbytes, for total of 16 Mbytes RAM	N/A	N/A	N/A	N/A	N/C	N/C
Opt. 516	Add 16 Mbytes RAM, for total of 24 Mbytes RAM	N/A	N/A	N/A	N/A	N/C	N/C
Opt. 531	Add 32 Mbytes RAM; delete 8 Mbytes, for total of 32 Mbytes RAM	N/A	N/A	N/A	N/A	N/C	N/C
A1008A	Model 825CHX 2D Graphics Superworkstation	N/A	N/A	N/A	N/A	201.	267.
Opt. 002	Additional 8 Mbytes RAM board	N/A	N/A	N/A	N/A	N/C	N/C
Opt. 003	Add ThinMAU	N/A	N/A	N/A	N/A	3.	4.
Opt. 004	Add ThickMAU	N/A	N/A	N/A	N/A	9.	13.
Opt. 005	Delete Integer Graphics Accelerator	N/A	N/A	N/A	N/A	-4.	-7.
Opt. 006	Add 19-inch Subsystem	N/A	N/A	N/A	N/A	28.	50.
Opt. 007	Add 16-inch Subsystem	N/A	N/A	N/A	N/A	14.	28.
Opt. 515	Add 16 Mbytes RAM, delete 8 Mbytes, for total of 16 Mbytes RAM	N/A	N/A	N/A	N/A	N/C	N/C
Opt. 516	Add 16 Mbytes RAM for total of 24 Mbytes RAM	N/A	N/A	N/A	N/A		
Opt. 531	Add 32 Mbytes RAM, delete 8 Mbytes, for total of 32 Mbytes RAM	N/A	N/A	N/A	N/A	N/C	N/C
Opt. 716	Substitute 16-inch monitor for 19-inch monitor					-14.	-23.
Opt. 0E1	Add powerfail battery backup system					13.	16.

NOTE: An entry of "N/A" means that the indicated contractual support is not available.

Series 800 Superworkstations (cont'd)

Product No.	Description	Return to HP		On-Site Service			
		FMMC	PMMC	Sched.	WMMC	BMMC	SMMC
A1055A	Model 835 TurboSRX Solid Rendering Superworkstation	N/A	N/A	N/A	N/A	\$225.	\$319.
Opt. 002	Additional 8 Mbytes RAM board	N/A	N/A	N/A	N/A	N/C	N/C
Opt. 003	Add ThinMAU	N/A	N/A	N/A	N/A	3.	4.
Opt. 004	Add ThickMAU	N/A	N/A	N/A	N/A	9.	13.
Opt. 416	Add one frame buffer card for a total of 16 planes	N/A	N/A	N/A	N/A	11.	20.
Opt. 424	Add two frame buffer cards for a total of 24 planes	N/A	N/A	N/A	N/A	18.	31.
Opt. 515	Delete standard 8 Mbytes RAM memory; add 16 Mbyte RAM memory board	N/A	N/A	N/A	N/A	N/C	N/C
Opt. 516	Add 16 Mbyte RAM board	N/A	N/A	N/A	N/A	N/C	N/C
Opt. 531	Delete standard 8 Mbytes RAM memory; add 32 Mbytes (two 16 Mbyte RAM memory boards)	N/A	N/A	N/A	N/A	N/C	N/C
Opt. 608	Add three accelerators for 3D solid rendering and a full 16-bit Z- buffer	N/A	N/A	N/A	N/A	53.	96.
Opt. 616	Add one frame buffer card (for a total of 16 planes of frame buffer memory), three accelerators for 3D solid rendering and a full 16-bit Z-buffer	N/A	N/A	N/A	N/A	60.	108.
Opt. 624	Add two frame buffer cards (for a total of 24 planes of frame buffer memory), three accelerators for 3D solid rendering and a full 16-bit Z-buffer	N/A	N/A	N/A	N/A	67.	120.
Opt. 716	Substitute 16-inch monitor for 19-inch monitor	N/A	N/A	N/A	N/A	14.	-23.
Opt. 747	Add A1047A graphics animation interface	N/A	N/A	N/A	N/A	5.	11.
Opt. 0E1	Powerfail battery backup system	N/A	N/A	N/A	N/A	13.	17.
A1045A	Model 835SRX Solid Rendering Superworkstation	N/A	N/A	N/A	N/A	241.	338.
Opt. 002	Additional 8 Mbyte RAM board	NA	N/A	N/A	N/A	N/C	N/C
Opt. 003	Add ThinMAU	N/A	N/A	N/A	N/A	3.	4.
Opt. 004	Add ThickMAU	N/A	N/A	N/A	N/A	9.	13.
Opt. 016	Add one 8-plane frame buffer	N/A	N/A	N/A	N/A	11.	19.
Opt. 024	Add two 8-plane frame buffers	N/A	N/A	N/A	N/A	18.	31.
Opt. 032	Add three 8-plane frame buffers	N/A	N/A	N/A	N/A	25.	43.
Opt. 515	Delete standard 8 Mbytes RAM memory; add 16 Mbyte RAM memory board	N/A	N/A	N/A	N/A	N/C	N/C
Opt. 516	Add 16 Mbyte RAM board	N/A	N/A	N/A	N/A	N/C	N/C
Opt. 531	Delete standard 8 Mbytes RAM memory; add 32 Mbytes (two 16 Mbyte RAM memory boards)	N/A	N/A	N/A	N/A	N/C	N/C
Opt. 716	Substitute 16-inch monitor for 19-inch monitor	N/A	N/A	N/A	N/A	-14.	-23.
Opt. 0E1	Powerfail battery backup system	N/A	N/A	N/A	N/A	13.	16.
A1050A	Model 835CHX 2D Graphics Superworkstation	N/A	N/A	N/A	NA	207.	275.
Opt. 002	Additional 8 Mbytes RAM board	N/A	N/A	N/A	NA	N/C	N/C
Opt. 003	Add ThinMAU	N/A	N/A	N/A	NA	3.	4.
Opt. 004	Add ThickMAU	N/A	N/A	N/A	NA	9.	13.
Opt. 005	Delete Integer Graphics Accelerator	N/A	N/A	N/A	NA	-4.	-7.
Opt. 006	Add 19-inch Subsystem	N/A	N/A	N/A	NA	28.	50.
Opt. 007	Add 16-inch Subsystem	N/A	N/A	N/A	NA	14.	27.
Opt. 515	Delete standard 8 Mbytes RAM memory; add 16 Mbyte RAM memory board	N/A	N/A	N/A	NA	N/C	N/C
Opt. 516	Add 16 Mbyte RAM board	N/A	N/A	N/A	NA	N/C	N/C
Opt. 531	Delete standard 8 Mbytes RAM memory; add 32 Mbytes (two 16 Mbyte RAM memory boards)	N/A	N/A	N/A	NA	N/C	N/C
Opt. 716	Substitute 16-inch monitor for 19-inch monitor	N/A	N/A	N/A	NA	-14.	-23.
Opt. 0E1	Add powerfail battery backup system	N/A	N/A	N/A	NA	13.	16.

NOTE: An entry of "NA" means that the indicated contractual support is not available.

SPU Accessories

Product No.	Description	Sched.	PMMC	WMMC	BMMC	SMMC
98242A	4-slot DIO Backplane	N/C	N/C	N/C	N/C	N/C
98242B	2-slot DIO Backplane	N/C	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	2. N/C	4. N/C
98570A	Direct Connect DIO II Expander	1.	2.	3.	3.	4.
9888A	16-slot DIO Expander	5.	8.	14.	8.	14.
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	4. N/A N/A	7. N/C N/C
98258B	4 Mbytes Parity-Checking RAM Add-on	1.	1.	2.	1.	2.
98258C	12 Mbytes Parity-Checking RAM Add-on	8.	11.	20.	11.	20.
98257A	1 Mbyte RAM Card (DIO)	N/C	N/C	N/C	N/C	N/C
98268A	4 Mbytes RAM for Model 340	1.	2.	4.	2.	4.
98013A	DIO Slot Upgrade for Model 340	N/C	N/C	N/C	N/C	N/C
98235A	AUI LAN Upgrade for Model 340	N/C	N/C	N/C	N/C	N/C
98237A	ThinLAN Upgrade for Model 340	N/C	N/C	N/C	N/C	N/C
98264A	8 Mbytes Error-Checking and Correcting (ECC) RAM	3.	5.	11.	5.	11.
98264B	16 Mbytes Error-Checking and Correcting (ECC) RAM	5.	9.	16.	9.	16.
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	N/A N/A N/A	20. N/C N/C
98248B	Floating Point Accelerator for Models 330, 360 and 370	3.	4.	9.	4.	9.
98262A	High-speed HP-IB Disk Interface for Model 330 System Interface Board	N/C	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	N/C
98267A	Model 360 4 Mbytes RAM Board	1.	2.	4.	2.	4.
98267B	Model 360 8 Mbytes RAM Board	2.	3.	6.	3.	6.
98267C	Model 360 12 Mbytes RAM Board	4.	6.	11.	6.	11.

SPU Upgrades

Product No.	Description	Sched.	PMMC	WMMC	BMMC	SMMC
98243B Opt. 002	Model 310 CPU Upgrade to Model 320	5. -2.	8. -4.	16. -9.	N/A N/A	16. -9.
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.	12. -5. N/C N/C 10. 2.	21. -9. N/C N/C 18. 4.
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 2. 3. 6.	N/C 4. 6. 11.
98247B	Model 350 CPU Upgrade to Model 370	N/C	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.	7. N/A N/C N/C N/C 10. 2.	12. -9. N/C N/C N/C 18. 4.

Boot ROM/Processor Board Updates

Product No.	Description	Sched.	PMMC	WMMC	BMMC	SMMC
98563-67001	Boot ROM for Models 310/320/330/350	N/A	N/A	N/A	N/A	N/A
98562-69013	Model 330 Processor Board Update	N/A	N/A	N/A	N/A	N/A
98562-69517	Model 350 Processor Board Update	N/A	N/A	N/A	N/A	N/A

DOS Coprocessor System

Product No.	Description	Sched.	PMMC	WMMC	BMMC	SMMC
98286S	DOS Coprocessor System	N/C	N/C	N/C	N/A	N/C
98286T	DOS Coprocessor Memory Enhancement Kit	N/C	N/C	N/C	N/A	N/C
98286D	DOS Coprocessor Diskless Node Kit	N/C	N/C	N/C	N/A	N/C
9127A	360 Kbytes Single 5 1/4-inch Flexible Disk Drive	4.	7.	12.	N/A	N/A
D1387A	80287 Numeric Coprocessor	N/C	N/C	N/C	N/A	N/C

BASIC and Pascal Language Processor Systems*

Product No.	Description	Sched.	PMMC	WMMC	BMMC	SMMC
82300C	BASIC Language Processor	N/C	N/C	N/C	N/A	N/C
82312A	Pascal Language Processor Board with Right-to-Execute	N/C	N/C	N/C	N/A	N/C
82303A	RAM Expansion Kit	N/C	N/C	N/C	N/A	N/C
82305A	RAM Expansion Board	N/C	N/C	N/C	N/A	N/C
82306A	GPIO Interface for Language Processor	N/C	N/C	N/C	N/A	N/C
50963A	SRM Interface for BASIC Language Processor	N/C	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	Sched.	PMMC	WMMC	BMMC	SMMC
98577A	VMEbus Expander	6.	10.	18.	10.	18.
98646A	HP 9000 VMEbus Adapter	N/C	N/C	N/C	N/C	N/C

Graphics Boards

Product No.	Description	Sched.	PMMC	WMMC	BMMC	SMMC
98542A	Medium-resolution Monochrome Graphics Board	N/C	N/C	N/C	N/C	N/C
98543A	Medium-resolution 4-plane Color Graphics Board	N/C	N/C	N/C	N/C	N/C
98544B	High-resolution Monochrome Graphics Board	N/C	N/C	N/C	N/C	N/C
98546A	Display Compatibility Interface	N/C	N/C	N/C	N/C	N/C
98547A	High-resolution 6-plane Color Graphics Board	N/C	N/C	N/C	N/C	N/C
98548A	High-resolution, High-performance Monochrome Graphics Board	N/C	N/C	N/C	N/C	N/C
98549A	High-resolution, High-performance Color Graphics Board	N/C	N/C	N/C	N/C	N/C
98550A	High-resolution, High-performance Color Graphics Board	N/C	N/C	N/C	N/C	N/C

Monitors

Product No.	Description	Sched.	PMMC	WMMC	BMMC	SMMC
35731A	12-Inch Medium-resolution Monochrome Monitor	1.	2.	4.	2.	4.
35731B	12-Inch Medium-resolution Monochrome Monitor	1.	2.	4.	2.	4.
35741A	12-Inch Medium-resolution Color Monitor	1.	2.	4.	2.	4.
35741B	12-Inch Medium-resolution Color Monitor	1.	2.	4.	2.	4.
98751A	19-Inch High-resolution Color Monitor	13.	20.	36.	20.	36.
98752A	19-Inch High-resolution Color Monitor	12.	19.	33.	19.	33.
98785A	16-Inch High-resolution Color Monitor	3.	5.	10.	5.	10.
98786A	17-Inch High-resolution Monochrome Monitor	6.	10.	18.	10.	18.
98788A	19-Inch High-resolution Monochrome Monitor	6.	10.	18.	10.	18.
98789A	16-Inch High-resolution Color Monitor	3.	5.	10.	5.	10.
98787B	Tilt/Swivel	N/C	N/C	N/C	N/A	N/C

Graphics Accessories

Product No.	Description	Sched.	PMMC	WMMC	BMMC	SMMC
98556A	2D Integer-based Graphics Accelerator	3.	4.	7.	4.	7.
98700A	High-resolution Display Controller	10.	15.	28.	15.	28.
98701A	4-plane Graphic Memory Upgrade for 98700A	N/C	N/C	N/C	N/C	N/C
98710A	Graphics Accelerator for the 98700A	8.	12.	22.	12.	22.
98287A	Series 300 Interface Card for the 98700A	N/C	N/C	N/C	N/C	N/C
98720A	SRX 3D Display Controller	11.	17.	32.	17.	32.
Opt. 721		11.	17.	33.	N/A	32.
Opt. 722		4.	7.	12.	N/A	12.
Opt. 723		3.	4.	7.	N/A	7.
98721A	3D Solid Rendering Graphics Accelerator	11.	17.	32.	17.	32.
98722A	Frame Buffer Board	4.	7.	12.	7.	12.
98723A	Additional Power Supply	3.	4.	7.	4.	7.
98724A	16-bit Display Controller Interface to 98720A	N/A	N/C	N/C	N/A	N/C
98725A	16-bit Display Controller Interface to 98720A	N/C	N/C	N/C	N/A	N/C
98726A	32-bit Display Controller Interface to 98730A	1.	1.	2.	1.	2.
98730A	Turbo SRX 3D Display Controller	35.	51.	92.	51.	92.
Opt. 016		4.	7.	12.	7.	12.
Opt. 024		9.	14.	24.	14.	24.
Opt. 060		31.	49.	89.	49.	89.
Opt. 123		-3.	-4.	-7.	-4.	-7.
98732A	Three 3D Solid Rendering Graphics Accelerators and full 16-bit Z-buffer	31.	49.	89.	49.	89.

HP-HIL Input Devices

Product No.	Description	Sched.	PMMC	WMMC	BMMC	SMMC
45911A	HP-HIL Digitizer	2.	3.	5.	3.	5.
46021A	HP-HIL Keyboard	N/C	N/C	N/C	N/C	N/C
98203C	HP-HIL Keyboard with Rotary Knob	N/C	N/C	N/A	N/A	N/A
46060A	HP-HIL 2-button Mouse	N/C	N/C	N/C	N/C	N/C
46060B	HP-HIL 3-button Mouse	N/C	N/C	N/C	N/A	N/C
46080A	2.4m HP-HIL Extension	N/A	N/A	N/A	N/A	N/A
46081A	2.4m HP-HIL Extension with audio	N/C	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	N/C
Opt. 015		N/C	N/C	N/C	N/C	N/C
Opt. 343		N/C	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	N/C
46083A	HP-HIL Knob	N/C	N/C	N/C	N/C	N/C
46084A	HP-HIL ID Module	N/C	N/C	N/C	N/C	N/C
46085A	HP-HIL Control Dial Module	N/C	N/C	N/C	N/C	N/C
46086A	HP-HIL 32-button Box	N/C	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	N/C
46088B	HP-HIL Digitizer, ANSI B/ISO A3-size	N/C	N/C	N/C	N/A	N/C
46084A	Quadrature Port	N/C	N/C	N/C	N/C	N/C
46095A	3-button Mouse	N/C	N/C	N/C	N/A	N/A
35723A	HP-HIL Touchscreen bezel	N/C	N/C	N/C	N/C	N/C
92916A	HP-HIL Bar Code Reader	1.	2.	4.	2.	4.

Interface Products for Series 300 (DIO)

Product No.	Description	Sched.	PMMC	WMMC	BMMC	SMMC
36593A	HP-UX Gateway/SNA Link for Series 300 Gateway System	N/C	N/C	N/C	N/A	N/C
Opt. 003		N/C	N/C	N/C	N/A	N/C
Opt. 004		N/C	N/C	N/C	N/A	N/C
50955A	3278 Display Station Emulator	N/C	N/C	N/C	N/A	N/A
50962A	SRM Coax Interface	N/C	N/C	N/C	N/A	N/A
98253A	EPROM Programmer Interface	N/C	N/C	N/C	N/C	N/A
98255A	EPROM Card	N/C	N/C	N/C	N/C	N/A
98256A	256 Kbytes RAM Card	N/C	N/C	N/C	N/C	N/C
98259A	128 Kbytes Magnetic Bubble Memory Card	N/C	N/C	N/C	N/C	N/C
98620B	Two-channel DMA Controller Card	N/C	N/C	N/C	N/C	N/C
98622A	16-bit GPIO Interface Card	N/C	N/C	N/C	N/C	N/A
Opt. 001		N/C	N/C	N/C	N/C	N/A
Opt. 002		N/C	N/C	N/C	N/C	N/A
Opt. 003		N/C	N/C	N/C	N/C	N/A
Opt. 004		N/C	N/C	N/C	N/C	N/A
98623A	43-line BCD Interface Card	N/C	N/C	N/C	N/C	N/C
Opt. 001		N/C	N/C	N/C	N/C	N/A
98624A	HP-IB Interface, standard speed	N/C	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	N/C
98262A	HP-IB Interface, high speed (for Models 330 and 350 only)	N/A	N/C	N/C	N/C	N/C
98626A	RS-232C (Serial) Interface	N/C	N/C	N/C	N/C	N/C
Opt. 001		N/C	N/C	N/C	N/C	N/A
Opt. 002		N/C	N/C	N/C	N/C	N/A
98627A	RGB Color Video Output Interface	N/C	N/C	N/C	N/C	N/A
98628A	Datacomm Interface, RS-423 and RS-232C	N/C	N/C	N/C	N/C	N/C
Opt. 001		N/C	N/C	N/C	N/C	N/A
Opt. 002		N/C	N/C	N/C	N/C	N/A
Opt. 003		N/C	N/C	N/C	N/C	N/A
Opt. 005		N/C	N/C	N/C	N/C	N/A
Opt. 099		N/C	N/C	N/C	N/C	N/A
Opt. 100		N/C	N/C	N/C	N/C	N/A
98633A	6944A Multiprogrammer Interface	N/A	N/A	N/A	N/C	N/C
98635A	Floating Point Math Card for Model 310	N/C	N/C	N/C	N/C	N/A
98640A	7-channel Analog-to-Digital Interface	N/C	N/C	N/C	N/C	N/A
98641A	RJE 2780/3780 Interface	N/C	N/C	N/C	N/C	N/A
98642A	4-port RS-232C Multiplexer	N/C	N/C	N/C	N/C	N/C
Opt. 001		N/C	N/C	N/C	N/A	N/A
98643A	LAN/300 Link with Thin MAU	N/C	N/C	N/C	N/C	N/C
98644A	RS-232C Serial Interface	N/C	N/C	N/C	N/C	N/A
98646A	VMEbus Adapter	N/C	N/C	N/C	N/C	N/C
98658A	DIO-I SCSI Host Adapter	N/C	N/C	N/C	N/C	N/C

Networking Products

LAN Hardware

Product No.	Description	Sched.	PMMC	WMMC	BMMC	SMMC
98643A	LAN/300 Link	N/C	N/C	N/C	N/C	N/C
Opt. 241		N/A	N/A	N/A	N/A	N/A
28641A	Thin MAU	N/A	2.	3.	3.	4.
30241A	Backbone LAN MAU and Tap	4.	6.	9.	9.	13.
92254A	Backbone LAN AUI Cable	N/A	N/A	N/A	N/C	N/C
92255C	LAN AUI Connector Kit	N/A	N/A	N/A	N/A	N/A
92253B	Backbone LAN Coax Cable	N/A	N/A	N/A	N/C	N/C
92223A	Repeater Kit	N/A	24.	38.	N/A	48.
28645A	ThinLAN Hub	6.	10.	18.	10.	18.

Shared Resource Management (SRM)

SRM Servers

Product No.	Description	Sched.	PMMC	WMMC	BMMC	SMMC
50960A	SRM Server	8.	11.	20.	11.	20.
98619A	SRM Operating System	N/C	N/C	N/C	N/C	N/A
Opt. 655		N/C	N/C	N/C	N/C	N/A

SRM Workstation Hardware

Product No.	Description	Sched.	PMMC	WMMC	BMMC	SMMC
50962A	SRM Coax Interface	N/C	N/C	N/C	N/A	N/A
50963A	SRM Interface for Vectra	N/C	N/C	N/C	N/A	N/C
50961U	SRM Coax Adapter Upgrade	N/C	N/C	N/C	N/C	N/C
Opt. 200		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	Sched.	PMMC	WMMC	BMMC	SMMC
9127A	360 Kbyte, Single 5 1/4-inch Floppy Disk Drive	4.	7.	12.	N/A	N/A
9122C	2 Mbyte (1.42 Mbytes formatted) Disk Drive	4.	7.	11.	7.	11.
Opt. 001		-1.	-2.	-4.	-2.	-4.

HP-IB Hard Disk Storage (41 Mbytes to 571 Mbytes)

Product No.	Description	Sched.	PMMC	WMMC	BMMC	SMMC
7907A	41 Mbyte Fixed/Removable Disk Drive	N/A	N/A	N/A	84.	101.
7935H	404 Mbyte Removable Media Disk Drive	N/A	N/A	N/A	108.	137.
7935HR	Remarketed 404 Mbytes Removable Media Disk Drive	N/A	N/A	N/A	108.	137.
7936H	307 Mbyte Fixed Disk Drive	N/A	N/A	N/A	35.	44.
7937H	571 Mbyte Fixed Disk Drive	N/A	N/A	N/A	42.	53.
7957A	81 Mbyte Fixed Disk Drive	17.	26.	33.	26.	33.
7957B	81 Mbyte Fixed Disk Drive	12.	18.	23.	18.	23.
7958A	130 Mbyte Fixed Disk Drive	17.	26.	33.	26.	33.
7958B	152 Mbyte Fixed Disk Drive	13.	20.	25.	20.	25.
7959B	304 Mbyte Fixed Disk Drive	14.	22.	28.	22.	28.
7962B	152 Mbyte Fixed Disk Drive	13.	20.	25.	20.	25.
7963B	304 Mbyte Fixed Disk Drive	14.	22.	28.	22.	28.
97963B	304 Mbyte Upgrade Kit	11.	16.	26.	27.	35.

SCSI Hard Disk Storage (107 Mbytes to 323 Mbytes)

Product No.	Description	Sched.	PMMC	WMMC	BMMC	SMMC
7957S	107 Mbyte Fixed Disk Drive	12.	18.	23.	18.	23.
7958S	161 Mbyte Fixed Disk Drive	13.	20.	25.	20.	25.
7959S	323 Mbyte Fixed Disk Drive	14.	22.	28.	22.	28.

Back-up Tape Drives

Product No.	Description	Sched.	PMMC	WMMC	BMMC	SMMC
7978B	6250 cpi and 1600 cpi 1/2-inch Streaming Tape Drive	N/A	N/A	N/A	89.	111.
7974A	1600 cpi 1/2-inch Tape Drive	N/A	N/A	N/A	101.	127.
Opt. 800		N/A	N/A	N/A	15.	18.
35401A	1/4-inch Cartridge Autochanger	14.	24.	43.	24.	43.
9144A	1/4-inch Cartridge Tape Drive (67 Mbytes per 16-track)	8.	11.	20.	11.	20.
9145A	1/4-inch Cartridge Tape Drive (133 Mbytes per 32-track)					

Printers

Character Printers

Product No.	Description	Sched.	PMMC	WMMC	BMMC	SMMC
2603A	48 cps* Daisy-wheel Printer	15.	23.	42.	23.	42.
2225A	150 cps ThinkJet printer	3.	4.	7.	4.	7.
2227A	160 cps QuietJet Plus printer	3.	4.	7.	N/A	7.
2227B	160 cps QuietJet Plus printer	3.	4.	7.	N/A	7.
2228A	160 cps QuietJet printer	3.	4.	7.	N/A	7.
2235B	RuggedWriter 480 printer	8.	12.	22.	N/A	22.
2932A	200 cps Dot Matrix Impact Printer	9.	14.	26.	14.	26.
Opt. 046		N/A	N/A	N/A	0.	0.
2934A	200 cps Dot Matrix Impact Printer	11.	16.	30.	26.	30.
Opt. 046		N/A	N/A	N/A	0.	0.
3630A	HP PaintJet Color Graphics Printer	3.	5.	10.	5.	10.
Opt. 001		N/C	N/C	N/C	N/A	N/C
Opt. 002		N/C	N/C	N/C	N/A	N/C
Opt. 004		N/C	N/C	N/C	N/A	N/C

*Key: cps = characters per second

Line Printers

Product No.	Description	Sched.	PMMC	WMMC	BMMC	SMMC
2563B	300 lpm* Impact Printer	N/A	N/A	N/A	49.	62.
2564B	600 lpm Impact Printer	N/A	N/A	N/A	79.	99.
2566B	900 lpm Impact Printer	N/A	N/A	N/A	184.	230.
2567B	1200 lpm Impact Printer	N/A	N/A	N/A	195.	245.

*Key: lpm = lines per minute.

Page Printers

Product No.	Description	Sched.	PMMC	WMMC	BMMC	SMMC
33440A	LaserJet Series II 8 ppm* printer	21.	30.	54.	30.	54.
2684A	LaserJet 2000 20 ppm printer†	N/A	318.	398.	318.	398.
2684P	LaserJet 2000 with 2000-sheet paper deck	N/A	344.	429.	344.	429.
2684D	LaserJet 2000 with 2000-sheet paper deck and duplexer	N/A	382.	477.	382.	477.

*Key: ppm = pages per minute.

†Interface not included.

Graphics Devices

Product No.	Description	Sched.	PMMC	WMMC	BMMC	SMMC
3630A	HP PaintJet Color Graphics Printer	3.	5.	10.	5.	10.
7440A	ColorPro 8-pen Graphics Plotter	3.	4.	9.	N/A	9.
7475A	A . . . B-size, 6-Pen Plotter	5.	8.	14.	8.	14.
7550A	A . . . B-size, 8-Pen Sheet-Feed Plotter	14.	22.	39.	22.	39.
7570A	DraftPro C . . . D size, 8-Pen Plotter	8.	11.	18.	N/A	18.
17570A	Optional HP-IB Cartridge	N/C	N/C	N/C	N/A	N/A
7575A	DraftPro DXL A . . . D-size, 8-pen plotter	8.	11.	18.	N/A	N/A
7576A	DraftPro EXL A . . . E-size, 8-pen plotter	8.	11.	18.	N/A	N/A
7595A	DraftMaster I A . . . E size, 8-Pen Plotter	14.	22.	39.	N/A	N/A
17520A	DraftMaster Upgrade Kit	N/C	N/C	N/C	N/A	N/A
C1600A	HP 7600 Series Plotter Model 240D, D-size Monochrome Electrostatic Plotter	70.	109.	197.	109.	197.
C1601A	HP 7600 Series Plotter Model 240E, E-size Monochrome Electrostatic Plotter	87.	135.	244.	135.	244.

Terminals

Product No.	Description	Sched.	PMMC	WMMC	BMMC	SMMC
HP 700/92 Block-Mode Display Terminal						
C1001A		3.	4.	7.	4.	7.
C1001G		3.	4.	7.	4.	7.
C1001W		3.	4.	7.	4.	7.
HP 700/22 ANSI DEC VT 220 Compatible Terminal						
C1004A		3.	4.	7.	N/A	7.
C1004G		3.	4.	7.	N/A	7.
C1004W		3.	4.	7.	N/A	7.
HP 700/41 Entry-level ASCII Terminal						
C1003A		3.	4.	7.	N/A	7.
C1003G		3.	4.	7.	N/A	7.
HP 700/43 Fully-featured ASCII Terminal						
C1006A		3.	4.	7.	N/A	7.
C1006G		3.	4.	7.	N/A	7.
C1006W		3.	4.	7.	N/A	7.
2393A	12-Inch Graphics Display Terminal	4.	6.	11.	6.	11.
2397A	Color Graphics Terminal	5.	7.	14.	7.	14.
45851A	HP 150 II Personal Computer	8.	11.	20.	11.	20.
45711A	Portable Plus Computer	5.	78	14.	N/A	N/A
45850A	HP 150 II Personal Computer Terminal	8.	11.	20.	11.	20.
9807A	Integral II Personal Computer	22.	33.	59.	N/A	N/A

Miscellaneous Peripherals

Product No.	Description	Sched.	PMMC	WMMC	BMMC	SMMC
2334A	x.25 Multiplexer	N/A	11.	18.	18.	22.
26075A	HP-IB Switch	N/A	N/A	N/A	5.	6.

Accessories

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

Software Material Update

Provides media and manuals for software 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. Materials shipped against 98594L will not include the Programming Environment Documentation — must order 98794A+Q00 to receive updates on these documents.
2. Materials shipped against 92466L and 92467L will not include Advanced Usage Set and Programming Set — must order 92537A+Q00 and 92539A+Q00 to receive updates on these documents.

* 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
Processor/User			
#0JA 840(U)/850/855	1,090.	580.	220.
#0JB 840 (32-64)/835/U	695.	370.	150.
#0JC 825/835 32-64	495.	250.	100.
#0JD 825/835/840 (16)	375.	190.	80.
#0JE 500	320.	140.	60.
#0KQ 350-370 (PE+AXE)	315.	135.	35.
#0JF 310-340 (PE+AXE)	275.	110.	30.
#0JG 300(AXE)/Diskless	110.	45.	20.
#0JN 200/300/500 LANG	100.	55.	17.
#0JX HP9000 Run-Only	17.	17.	17.
Applications			
#0F9 ME Support	130.	80.	N/A
#0FC EE (A) Support	140.	80.	N/A
#0FD EE (B) Support	430.	220.	N/A
#0FE HP 64000 Support	130.	80.	N/A
#0FF Fac Auto Support	360.	200.	N/A
#0FL Semiconductor Parametric Test	165.	90.	N/A
#0FM Semiconductor Functional Test	260.	110.	N/A
Additional Service			
#0FH Addl. Tech Review	75.	N/A	N/A
#0FB Addl. RC Caller	75.	75.	N/A
#0FJ SW Update Install	75.	75.	N/A
#0FK Off-Hours Update	105.	105.	N/A
Media			
#AA0 1/4" Cartridge Tape	N/A	N/A	N/A
#AA1 1/2" Mag Tape - 1600 BPI	N/A	N/A	N/A
#AA6 5.25" Disk	N/A	N/A	N/A
#AA7 3.5" SS Disk	N/A	N/A	N/A
#AA8 3.5" DS Disk	N/A	N/A	N/A

MATERIALS HP 9000	H2013A+S00 OS SYS UPDATE	H2014A+S00 S/W UPDATE MATERIAL	H2029A+L00 BASIC LINE	H2033A+S00 HP OS SYS UPDATES	H2034A+S00 HP S/W UPDATE MATERIAL
Processor/User					
#0JA 850/855	100.	35.	220.	120.	35.
#0JB 840 32-64	80.	25.	150.	95.	25.
#0JC 825/835 32-64	60.	15.	100.	75.	15.
#0JD 825/835/840 1-16	50.	15.	80.	60.	15.
#0JE 500 UX	50.	15.	60.	55.	15.
#0KQ 350-370 (PE+AXE)	50.	15.	35.	55.	15.
#0JF 310-350 (PE+AXE)	50.	15.	30.	55.	15.
#0JG 300 (AXE/Diskless)	15.	15.	20.	20.	15.
#0JN 200/300/500 Lang	15.	15.	17.	20.	15.
#0JX 9000 Run-Only	0.	15.	17.	0.	15.
Media					
#AA0 1/4" Cartridge	0.	N/A	N/A	0.	N/A
#AA1 1600 BPI	0.	N/A	N/A	0.	N/A
#AA6 5.25" Disk	0.	N/A	N/A	0.	N/A
#AA7 3.5" SS Disk	0.	N/A	N/A	0.	N/A
#AA8 3.5" DS Disk	0.	N/A	N/A	0.	N/A

Other HP 9000 Support Services

(all prices are monthly)

Software Notification Service

Software Notification Service provides one copy of the Software Status Bulletin and Communicator as they are published.

Product/Opt. No.	Description	Price
Series 300		
98594L+N00	Software Notification Service HP-UX Bundle	10.
98515L+N00	Software Notification Service 2-user AXE	10.
98595L+N00	Software Notification Service 16-user AXE	10.
98596L+N00	Software Notification Service 32-user AXE	10.
98597L+N00	Software Notification Service Prog. Env.	10.
98616A+N00	Software Notification Service RAM BASIC	10.
98617A+N00	Software Notification Service RAM PASCAL	10.
Series 825/835/840/850/855		
92452A+N00	Software Notification Service 1-16 user	25.
92453A+N00	Software Notification Service 1-32 user	25.
92454A+N00	Software Notification Service 1-64 user	25.
92455A+N00	Software Notification Service unlimited	25.
Series 815		
92466L+N00	Software Notification Service 2-user	25.
92467L+N00	Software Notification Service 16-user	25.

Manual Update Service

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)	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.
Series 825/835/840/850/855		
92452A+Q00	Manual Update Service 1-16 user	25.
92453A+Q00	Manual Update Service 1-32 user	25.
92454A+Q00	Manual Update Service 1-64 user	25.
92455A+Q00	Manual Update Service unlimited	25.
Series 815		
92536A+Q00	Manual Update Service General Usage Set	5.
92538A+Q00	Manual Update Service System Admin. 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 Service is priced at \$5.

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

General Consulting Services

Field District (ID44)	Regular Hours	After Hours Weekday	Weekends or Holidays
Product Support Representative	51413A \$100/Hr.	51419A \$150/Hr.	51422A \$200/Hr.
Application Engineer	51414A \$150/Hr.	51420A \$225/Hr.	51423A \$300/Hr.
Specialist	51415A \$200/Hr.	51421A \$300/Hr.	51424A \$400/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	\$750.
51417A	Daily Consulting	1100.
51418A	Daily Consulting — Specialist	1,450.

Packaged Consulting

Product	Description	Price
35630A + 42A	VISTA + 3565S Install (1st mainframe)	\$735.
	Each Additional Mainframe	120.
64710S + 42A	TEAMWORK Installation	735.
64801S + 42A	64000 UX Installation	735.
74210A + 42A	EDS Installation	870.
74400A + 42A	PCDS Installation	870.
98366A + 42A	ME 5/10/30 Installation	500.
98595A + 42A	AXE MU Installation	870.
98597B + 42A	PE MU Installation	1,135.

Customer Education

NOTE: The product number 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 an X, unless noted otherwise. For example, 31110B become 31110X. On-site prices

include course materials for 10 students. Additional students cost \$100 each. On-site prices do not include instructor travel charges or equipment and classroom setup charges. All on-site quotations must be coordinated through your

nearest HP Education Center to verify instructor availability and total price. Consult the Education Course Catalog (5954-0142) and the Education Course Schedule (5954-0121) for additional course information.

HP-UX Operating System Customer Education

Product	Description	HP Site	On-Site*
51432A	HP-UX Fundamentals for General Users	\$1,150.	\$9,250.
51433A	HP-UX Shell Programming for General Users	1,150.	9,250.
51436A	HP-UX System Administration for the HP 9000 Series 300	1,150.	9,250.
51482A	HP-UX System Administration for the HP 9000 Series 800	1,150.	10,500.
51489A	HP-UX Basics for Application Users	520.	3,700.
98865A	HP-UX Diskless Cluster Administration	625.	4,200.

HP 9000 Information Management Tools Customer Education

Product	Description	HP Site	On-Site*
36217AN	HP SQL for MPE XL and HP-UX	\$1,350.	\$10,500.
36217AP	HP IMAGE/HP-UX	1,350.	10,500.
79727-90000	*ALLBASE/QUERY Tutorial: HP 9000 Series 300	N/A	49.
92440-64003	*HP ALLBASE/4GL Tutorial	N/A	
92572-90002	HP Real-Time Database Self-paced Tutorial	N/A	112.

HP-UX Programming and Language Customer Education

Product	Description	HP Site	On-Site*
31112A	Introduction to Pascal	\$1,150.	\$9,250.
31113A	HP Pascal for Adv. and System Programming	1,150.	9,250.
31124A	Introduction to Ada/300 DS	1,150.	9,250.
35130B	Programming in C Language	1,150.	9,250.
50697A	Programming in FORTRAN 77 Tutorial	N/A	500.
50698A	Programming in FORTRAN 77	1,150.	9,250.
50710A	Programming with HP-UX System Calls	1,350.	10,500.
51433A	HP-UX Shell Programming for General Users	1,150.	9,250.
51434A	HP-UX Fundamentals for Programmers	1,150.	8,250.
51435A	HP-UX Text Editing Tools (vi, ed, sed, awk)	1,150.	9,250.
51438A	SCCS and make	520.	3,700.
51439A	Advanced Editing with vi	310.	1,850.
51440A	Document Preparation	935.	6,300.
92576-90003	*HP Interactive Visual Interface Tutorial	NA	30.
92580-90002	*HP Device Interface System Tutorial	NA	30.
98501B	Introduction to Workstation BASIC	1,150.	9,250.
98510D	Series 200/300 BASIC Operating and Adv. Prog.	1,150.	9,250.
98511C	Series 200/300 Pascal Operating and Adv. Prog.	1,150.	9,250.
98880A	HP BASIC/UX Programming and Operating	725.	6,300.

* 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 9000 Network Customer Education

Product	Description	HP Site	On-Site*
22861B	ARPA/Berkeley Services: Series 300 and 800	\$625.	\$4,200.
22862A	Administration of NFS and Yellow Pages	520.	3,700.
35051B	Introduction to Data Communications	1,150.	9,250.
98865A	HP-UX Diskless Cluster Administration	625.	4,200.

Customer Education On-Site Charges

Product	Description	HP Site	On-Site*
51485A	Equipment Set-up; one hour	N/A	\$150.
51486A	Travel Charge, by Zone		
Opt. 101	Zone 1	N/A	140.
Opt. 102	Zone 2	N/A	240.
Opt. 103	Zone 3	N/A	320.
Opt. 104	Zone 4	N/A	505.
Opt. 105	Beyond Zone 4	N/A	Quote

Purchase Plans

Both hardware and software support services are covered under our Customer Support Services Agreement. Contact your HP Sales Representative for more information. Hewlett-Packard maintains fully-trained and well-equipped

service operations at more than 170 offices worldwide. Contact your nearest sales office for specific prices and plans. Warranties 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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