HP 9000 Series 800 Computer Systems

HEWLETT PACKARD

Pricing Information

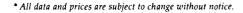Effective date: May 1988*

System Configurations

This guide lists purchase and support service prices for the most commonly ordered Series 800 system components, software, peripherals and support products. Do not use this guide for detailed system configuration. The prices in this guide should be used for budgetary purposes only. A formal price quotation should be obtained from your local Hewlett-Packard Sales Office before ordering.

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 multi-user system, a system console, disc drive, and tape drive must be added to the pre-configured system to make a minimum complete system.

Series 800 Multi-user Computer System

Product No./Option No.	Description	Price
A1004A	**Model 825S Multi-user Computer System.** Pre-configured system consisting of: • System processor • Floating point coprocessor • Integrated cabinet, power supply, Channel I/O Bus • 8 Mbytes Error-Checking and Correcting (ECC) RAM (A1010A) • 6-channel Multiplexer (27140A) • HP-IB (IEEE 488) Interface (27110B) • 16-user HP-UX system, including C compiler, symbolic debugger, assembler, device I/O library, Port/HP-UX. Must order either Opt. AA0 or AA1 below.	
Opt. AA0	Software on ¼-inch cartridge tape	
Opt. AA1	Software on ½-inch 1600 cpi 9-track tape	
Opt. 001	Additional 2 Mbyte ECC RAM board	
Opt. 002	Additional 8 Mbyte ECC RAM board	
Opt. 003	Expander and Channel I/O Adapter	
Opt. 515†	Delete standard 8 Mbytes RAM memory; add 16 Mbyte RAM memory board	
Opt. 516	Add 16 Mbyte RAM board	
Opt. 531†	Delete standard 8 Mbytes RAM memory; add 32 Mbytes (two 16 Mbyte RAM memory boards)	
Opt. 0E1	Add powerfail battery backup system	
Opt. 0HJ‡	Return of 9020A/B SPU	
Opt. 0HK‡	Return of 9020C SPU	
Opt. 0HL‡	Return of 9030A SPU	
Opt. 0HM‡	Return of 9040A SPU	
Opt. 0HN‡	Return of 9050A SPU	

† *Options 515 and 531 cannot be ordered concurrently.*

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

Product No./ Option No.	Description	Price
A1035A	**Model 835S Multi-user Computer System.** Pre-configured system 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 including C compiler, symbolic debugger, assembler, device I/O library, and Port/HP-UX	
Opt. AA0	Software on ¼-inch cartridge tape	
Opt. AA1	Software on ½-inch 1600 cpi 9-track tape	
Opt. 0E1	Add powerfail battery backup system	
Opt. 002	Additional 8 Mbyte RAM board	
Opt. 515*	Delete standard 8 Mbytes RAM memory; add 16 Mbyte RAM memory board	
Opt. 516	Add 16 Mbyte RAM board	
Opt. 531*	Delete standard 8 Mbytes RAM memory; add 32 Mbytes (two 16 Mbyte RAM memory boards)	
A1040A	**Model 835SE Multi-user Computer System.** Pre-configured system consisting of: • System processor • Floating point coprocessor • Integrated cabinet and power supply • Two Channel I/O Adapters and 8-slot I/O Expander • 24 Mbytes RAM ECC RAM • 6-channel Multiplexer • HP-IB Interface • Powerfail battery backup system • 64-user HP-UX license including C compiler, symbolic debugger, assembler, device I/O library, and Port/HP-UX	
Opt. AA0	Software on ¼-inch cartridge tape	
Opt. AA1	Software on ½-inch 1600 cpi 9-track tape	
Opt. 002	Additional 8 Mbyte RAM board	
Opt. 515	Delete standard 24 Mbytes RAM memory; add 32 Mbyte RAM memory board	
Opt. 516	Add 16 Mbyte RAM board	
9741A	**Model 840S Multi-user Computer System.** Pre-configured system consisting of: • System processor • Floating point coprocessor • Integrated cabinet, power supply, Channel I/O Bus • Access Port card set • 6-channel multiplexer 27140A (with 4 available ports) • 8 Mbyte memory board set (19748A) • HP-IB interface • 16-user HP-UX system including C compiler, symbolic debugger, assembler, device I/O library, and Port/HP-UX • Installation manuals	
Opt. AA0	Software on ¼-inch cartridge tape	
Opt. AA1	Software on ½-inch 1600 cpi 9-track tape	
Opt. 508	Add 8 Mbytes ECC RAM	
Opt. 531	Delete standard 8 Mbytes RAM memory; add 32 Mbytes (two 16 Mbyte RAM memory boards)	
Opt. 532	Add 32 Mbytes ECC RAM	
Opt. 601	Model 840 I/O Expander, consisting of: • Channel I/O Adapter • 16-slot CIO Expansion Bay • Cabinet	
Opt. 0HJ†	Return of 9020A/B SPU	
Opt. 0HK†	Return of 9020C SPU	
Opt. 0HL†	Return of 9030A SPU	
Opt. 0HM†	Return of 9040A SPU	
Opt. 0HN†	Return of 9050A SPU	
Opt. 0C8*	Return of Model 825S (A1004A)	

* Options 515 and 531 cannot be ordered concurrently.   *† Must be ordered concurrently with 9741A. Consult your HP sales representative for details.*

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Product No./ Option No.	Description	Price
9742A	**Model 850S Multi-user Computer System.** Pre-configured system consisting of: • System processor • Floating point coprocessor • Integrated cabinet, power supply • 32 Mbytes RAM • Two bus converters, two Channel I/O Adapters • 6-channel Multiplexer 27140A (with 4 available Ports) • HP-IB Interface • 64-user HP-UX system including C compiler, symbolic debugger, assembler, device I/O library, and Port/HP-UX • Powerfail battery backup system • Access port interface	
Opt. AA0	Software on ¼-inch cartridge tape	
Opt. AA1	Software on ½-inch 1600 cpi 9-track tape	
Opt. 015	380 Vac, 50 Hz	
Opt. 016	415 Vac, 50 Hz	
Opt. 516	Add 16 Mbyte RAM board	
Opt. 828	Floating point upgrade	
Opt. 601	CIO Terminal Expander	
Opt. 602	Expansion Module Kit	
Opt. 603	Add-on expander	
Opt. 0C8	Return of Model 825S	
Opt. 0C9	Return of Model 840S	
Opt. 0HJ*	Return of 9020A/B SPU	
Opt. 0HK*	Return of 9020C SPU	
Opt. 0HL*	Return of 9030A SPU	
Opt. 0HM*	Return of 9040A SPU	
Opt. 0HN*	Return of 9050A SPU	

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

Series 800 Superworkstations

Localization for Series 800 Superworkstations
The Models 825SRX, 825CHX, 835 TurboSRX, 835SRX and 835CHX superworkstations 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 on page 32. 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 835SRX Solid Rendering Superworkstation, order A1045A + Opt. ABD (workstation product number plus Opt. ABD for the German version). The localization option is a must order option.

Option	Language
ABA	U.S. English
ABC	Canadian French
ABD	German
ABE	European Spanish
ABF	European French
ABH	Dutch
ABJ	Katakana
ABL	Canadian English
ABM	Latin Spanish
ABN	Norwegian

Option	Language
ABP	Swiss German
ABQ	Swiss French
ABS	Swedish
ABT	Hebrew
ABU	U.K. English
ABW	Belgian Dutch
ABX	Finnish
ABY	Danish
ABZ	Italian
ACA	Kanji (HP-UX only)

Cables
All Series 800 superworkstations come with a HP-IB cable and an HP-HIL cable. The appropriate video cable is shipped with each video or graphics board.

Product No./ Option No.	Description	Price
A1005A	**Model 825SRX Solid Rendering Superworkstation.** Pre-configured system consisting of: • System processor • Floating point coprocessor • Integrated cabinet, power supply, Channel I/O Bus • 8 Mbytes ECC RAM (A1010A) • HP-IB Interface (27110B) • Local Area Network (LAN) 9000 Series 800 Link and Advanced Research Projects Agency (ARPA) Services • HP-UX workstation license including C compiler, assembler, device I/O library and symbolic debugger, real-time package and Port/HP-UX • Starbase Graphics Library • X Window System™ • SRX graphics subsystem including 19-inch color monitor (1280 x 1024), graphics interface, display controller with 8-plane frame buffer and four overlay planes, graphics accelerator, two-button mouse, keyboard, ID module and HP-HIL audio extension module	
Opt. AA0	Software on ¼-inch cartridge tape	
Opt. AA1	Software on ½-inch 1600 cpi 9-track tape	
Opt. 001	Additional 2 Mbyte ECC RAM board	
Opt. 002	Additional 8 Mbyte RAM board	
Opt. 003	Add 28641A ThinMAU	
Opt. 004	Add 30241A ThickMAU	
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.	
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.	
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.	
Opt. 515*	Delete standard 8 Mbytes RAM memory; add 16 Mbyte RAM memory board	
Opt. 516	Add 16 Mbyte RAM board	
Opt. 531*	Delete standard 8 Mbytes RAM memory; add 32 Mbytes (two 16 Mbyte RAM memory boards)	
Opt. 0E1	Add powerfail battery backup system	
Opt. 0HJ[†]	Return of HP 9020A/B	
Opt. 0HK[†]	Return of HP 9020C	
Opt. 0HL[†]	Return of HP 9030A	
Opt. 0HM[†]	Return of HP 9040A	
Opt. 0HN[†]	Return of HP 9050A	
A1008A	**Model 825CHX 2D Graphics Superworkstation.** Pre-configured system consisting of: • System Processor • Floating point coprocessor • Integrated cabinet, power supply, Channel I/O Bus • 8 Mbytes ECC RAM (A1010A) • HP-IB Interface (27110B) • LAN/9000 Series 800 Link and ARPA Services • HP-UX workstation license including C compiler, assembler, device I/O library, symbolic debugger, real-time package and Port/HP-UX • Starbase Graphics Library • X Window System • CHX graphics subsystem including 19-inch color monitor (1280 x 1024), graphics interface, display controller with 8-plane frame buffer and two overlay planes, integer-based graphics accelerator, two-button mouse, keyboard, ID module and HP-HIL audio extension module	
Opt. AA0	Software on ¼-inch cartridge tape	
Opt. AA1	Software on ½-inch 1600 cpi 9-track tape	
Opt. 0E1	Add powerfail battery backup system	
Opt. 002	Additional 8 Mbytes RAM board	
Opt. 003	Add ThinMAU	
Opt. 004	Add ThickMAU	
Opt. 005	Delete Integer-based Graphics Accelerator	
Opt. 006	Add 19-inch Subsystem. Must order HP-HIL devices (mouse, keyboard, etc.) separately.	
Opt. 007	Add 16-inch Subsystem. Must order HP-HIL devices (mouse, keyboard, etc.) separately.	
Opt. 515*	Delete standard 8 Mbytes RAM memory; add 16 Mbyte RAM memory board	
Opt. 516	Add 16 Mbyte RAM board	
Opt. 531*	Delete standard 8 Mbytes RAM memory; add 32 Mbytes (two 16 Mbyte RAM memory boards)	
Opt. 716	Substitute 16-inch color monitor (98789A) for 19-inch color monitor (98752A)	
Opt. 0HJ[‡]	Return of HP 9020A/B	
Opt. 0HK[‡]	Return of HP 9020C	
Opt. 0HL[‡]	Return of HP 9030A	
Opt. 0HM[‡]	Return of HP 9040A	
Opt. 0HN[‡]	Return of HP 9050A	

* *Options 515 and 531 cannot be ordered concurrently.*
† *Must be ordered concurrently with A1005A. Consult your HP Sales Representative for details.*
‡ *Must be ordered concurrently with the A1008A. Consult your HP sales representative for details.*
X Window System is a trademark of Massachusetts Institute of Technology.

Product No./ Option No.	Description	Price
A1055A	**Model 835 TurboSRX Solid Rendering Superworkstation.** Pre-configured system consisting of: • System processor • Floating point coprocessor • Integrated cabinet, power supply, Channel I/O Bus • 8 Mbytes ECC RAM (A1010A) • HP-IB Interface (27110B) • LAN/9000 Series 800 Link and ARPA Services • HP-UX workstation license including C compiler, assembler, device I/O library, symbolic debugger, real-time package and Port/HP-UX • Starbase Graphics Library • X Window System • TurboSRX graphics subsystem including 19-inch color monitor (1280 X 1024), graphics interface, display controller (with no accelerators) with 8-plane frame buffer and four overlay planes, two-button mouse, keyboard, ID module and HP-HIL audio extension module	
Opt. AA0	Software on ¼-inch cartridge tape	
Opt. AA1	Software on ½-inch 1600 cpi 9-track tape	
Opt. 002	Additional 8 Mbytes RAM board	
Opt. 003	Add ThinMAU	
Opt. 004	Add ThickMAU	
Opt. 416	Add one frame buffer card for a total of 16 planes. Cannot order more than one of the following options: 416, 424, 608, 616 and 624.	
Opt. 424	Add two frame buffer cards for a total of 24 planes. Cannot order more than one of the following options: 416, 424, 608, 616 and 624.	
Opt. 515*	Delete standard 8 Mbytes RAM memory; add 16 Mbyte RAM memory board	
Opt. 516	Add 16 Mbyte RAM board	
Opt. 531*	Delete standard 8 Mbytes RAM memory; add 32 Mbytes (two 16 Mbyte RAM memory boards)	
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.	
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.	
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.	
Opt. 0E1	Add powerfail battery backup system	
Opt. 0HJ§	Return of HP 9020A/B	
Opt. 0HK§	Return of HP 9020C	
Opt. 0HL§	Return of HP 9030A	
Opt. 0HM§	Return of HP 9040A	
Opt. 0HN§	Return of HP 9050A	

* Options 515 and 531 cannot be ordered concurrently.

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

Product No./ Option No.	Description	Price
A1045A	**Model 835SRX Solid Rendering Superworkstation.** Pre-configured system consisting of:	
	• System processor	
	• Floating point coprocessor	
	• Integrated cabinet, power supply, Channel I/O Bus	
	• 8 Mbytes ECC RAM (A1010A)	
	• HP-IB Interface (27110B)	
	• LAN/9000 Series 800 Link and ARPA Services	
	• HP-UX workstation license including C compiler, assembler, device I/O library, symbolic debugger, real-time package and Port/HP-UX	
	• Starbase Graphics Library	
	• X Window System	
	• SRX graphics subsystem including 19-inch color monitor (1280 X 1024), graphics interface, display controller with 8-plane frame buffer and four overlay planes, two-button mouse, keyboard, ID module and HP-HIL audio extension module	
Opt. AA0	Software on ¼-inch cartridge tape	
Opt. AA1	Software on ½-inch 1600 cpi 9-track tape	
Opt. 002	Additional 8 Mbyte RAM board	
Opt. 003	Add ThinMAU	
Opt. 004	Add ThickMAU	
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.	
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.	
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.	
Opt. 515*	Delete standard 8 Mbytes memory; add 16 Mbyte memory board	
Opt. 516	Add 16 Mbyte RAM board	
Opt. 531†	Delete standard 8 Mbytes memory; add 32 Mbytes (two 16 Mbyte memory boards)	
Opt. 0E1	Powerfail battery backup system	
Opt. 0HJ**	Return of HP 9020A/B	
Opt. 0HK**	Return of HP 9020C	
Opt. 0HL**	Return of HP 9030A	
Opt. 0HM**	Return of HP 9040A	
Opt. 0HN**	Return of HP 9050A	
A1050A	**Model 835CHX 2D Graphics Superworkstation.** Pre-configured system consisting of:	
	• System Processor	
	• Floating point coprocessor	
	• Integrated cabinet, power supply, Channel I/O Bus	
	• 8 Mbytes ECC RAM (A1010A)	
	• HP-IB Interface (27110B)	
	• LAN/9000 Series 800 Link and ARPA Services	
	• HP-UX workstation license including C compiler, assembler, device I/O library, symbolic debugger, real-time package and Port/HP-UX	
	• Starbase Graphics Library	
	• X Window System	
	• CHX graphics subsystem including 19-inch color monitor (1280 x 1024), graphics interface, display controller with 8-plane frame buffer and two overlay planes, integer-based graphics accelerator, two-button mouse, keyboard, ID module and HP-HIL audio extension module	
Opt. AA0	Software on ¼-inch cartridge tape	
Opt. AA1	Software on ½-inch 9-track tape	
Opt. 002	Additional 8 Mbytes ECC RAM board	
Opt. 003	Add ThinMAU	
Opt. 004	Add ThickMAU	
Opt. 005	Delete Integer-based Graphics Accelerator	
Opt. 006	Add 19-inch subsystem. Must order HP-HIL devices (mouse, keyboard, etc.) separately.	
Opt. 007	Add 16-inch subsystem. Must order HP-HIL devices (mouse, keyboard, etc.) separately.	
Opt. 515*	Delete standard 8 Mbytes RAM memory; add 16 Mbyte RAM memory board	
Opt. 516	Add 16 Mbyte RAM board	
Opt. 531*	Delete standard 8 Mbytes RAM memory; add 32 Mbytes (two 16 Mbyte RAM memory boards)	
Opt. 716	Substitute 16-inch monitor (98789A) for 19-inch monitor (98752A)	
Opt. 0E1	Add powerfail battery backup system	
Opt. 0HJ††	Return of HP 9020A/B	
Opt. 0HK††	Return of HP 9020C	
Opt. 0HL††	Return of HP 9030A	
Opt. 0HM††	Return of HP 9040A	
Opt. 0HN††	Return of HP 9050A	

* *Options 515 and 531 cannot be ordered concurrently.*
** *Must be ordered concurrently with the A1045A. Consult your HP sales representative for details.*
†† *Must be ordered concurrently with the A1050A. Consult your HP sales representative for details.*

Series 800 System Accessories

Models 825/835 Accessories

Product No./ Option No.	Description	Price
A1009A	2 Mbyte ECC RAM board	
A1009AN	Return of 2 Mbyte ECC RAM board for Model 825S. Must be ordered concurrently with Series 800 pre-configured system.	
A1010A	8 Mbyte ECC RAM board for 825/835 systems	
A1010AN	Return of 8 Mbyte ECC RAM board for Model 825S. Must be ordered concurrently with Series 800 pre-configured system.	
A1013A	Expander and Channel I/O Adapter for Model 825	
A1014A	Powerfail Battery Backup System for 825/835 systems	
A1015A	Access Port for 825/835 systems	
A1017A	Display Controller Interface for SRX graphics subsystem	
A1037A	16 Mbyte ECC RAM board for 825/835 systems	
97099A	19-inch Rack mount kit for Models 825/835 SPU or Expander	
19500B	19-inch Rack mount kit for Models 825/835 battery backup system	
27110B	HP-IB Interface (see page 27 for options)	
27140A	6-channel Multiplexer	
27114A	Parallel Asynchronous First In/First Out (FIFO) Interface (see page 27 for options)	

Model 840S Accessories

Product No./ Option No.	Description	Price
19748A	8 Mbyte Memory Controller/Array board set	
19748AN	Return of 8 Mbyte board for Model 840S. Must be ordered concurrently with Series 800 pre-configured system.	
19749A	Cable Management System with Console Table	
19733A	32 Mbyte Memory Controller/Array board set	
19733AN	Return of 32 Mbyte board for Model 840S	
19746B	I/O Expander consisting of: • Channel I/O Adapter • 16-slot CIO Expansion Bay • Cabinet	
19744A	Channel I/O Adapter	

Model 850S Accessories

Product No./ Option No.	Description	Price
A1101A	Channel I/O Adapter	
A1104A	16 Mbyte RAM Board	
A1108A*	Floating Point Upgrade Kit	
A1122A	Channel I/O Terminal Expander	
A1123A	Expansion Module Kit. Requires previous purchase of A1122A or A1124A.	
A1124A	Add-on Expander. Requires previous purchase of A1122A.	
A1125A	Cable Management Rack	

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.	
A1038A	**Model 825S to 835SE Multi-user Computer System Upgrade.** 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	
Opt. AA0	Software on ¼-inch cartridge tape	
Opt. AA1	Software on ½-inch 1600 cpi 9-track tape	
Opt. 0AB	Substitute 32 to 64-user HP-UX upgrade for 16 to 64-user HP-UX upgrade (for customers already having a 32-user license)	
Opt. 0AC	Delete 16- to 64-user HP-UX upgrade	
Opt. 1AB	Delete I/O Expander and additional Channel I/O Adapter	
Opt. 0E4	Delete powerfail battery backup system	
Opt. 517	Delete 8 Mbytes RAM	
Opt. 518	Delete 16 Mbytes RAM	
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	
Opt. AA0	Software on ¼-inch cartridge tape	
Opt. AA1	Software on ½-inch 1600 cpi 9-track tape	
Opt. 0AB	Substitute 32 to 64-user upgrade for 16 to 64-user HP-UX upgrade (for customers already having a 32-user license)	
Opt. 0AC	Delete 16- to 64-user HP-UX upgrade	
Opt. 0E4	Delete powerfail battery backup system	
Opt. 517	Delete 8 Mbytes RAM	
Opt. 518	Delete 16 Mbytes RAM	

Series 500 Component Returns
Must be ordered concurrently with Series 800 pre-configured system. Consult your HP Sales Representative for details.

RAM Return Credits

Product No./ Option No.	Description	Price
97040N	**Return 97040A 256 Kbyte RAM board**	
97046N	**Return two 97046A 1 Mbyte RAM boards**	
97047N	**Return 97047A 512 Kbyte RAM board**	
97048N	**Return 97048A 2 Mbyte RAM board**	

I/O and CPU Return Credits

Product No./ Option No.	Description	Price
27135AN	**Return of 27125A/B LAN/500 Link**	
27110AN	**Return of 27110A/B HP-IB Interface**	
27140AN	**Return of 27140A/B Channel Multiplexer Interface**	
97049N	**Return second or third IOP (97041A, 97042A, 97049A)**	
97043N	**Return second or third CPU (97043A/B)**	
97098N	**Return of 97098A I/O Expander**	

Product No./ Option No.	Description	Price
97050N Opt. 0J0	**Return 97050A/B BASIC Language System** Credit reduction for M/R version	
97052N Opt. 0J0	**Return 97052A/B 2D/3D Graphics** Credit reduction for M/R version	
97079N	**Return HP-UX single-user (97070C, 97079C)**	
97089N	**Return HP-UX 1–16 user (97080C, 97089C)**	
97057N	**Return 97057A HP Windows/9000 single-user**	
97069N	**Return 97069A HP Windows/9000 multi-user**	

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**	
2113N	**Return of 2113E E-Series**	
2176N	**Return of 2176E E-Series**	
2178N	**Return of 2178E E-Series**	
2117N	**Return of 2177F F-Series**	
2177N	**Return of 2177F/E/C/ F-Series**	
2179N	**Return of 2179C/A F-Series**	
2196N	**Return of 2196A/B/C/D A600**	
2486N	**Return of 2486A A600**	
2156N	**Return of 2156A/B A600**	
2436N	**Return of 2436A/E A600**	
2197N	**Return of 2197A/B/C/D A600**	
2487N	**Return of 2487A A700**	
2137N	**Return of 2137A A700**	
2437N	**Return of 2437A A700**	
2199N	**Return of 2199C/D A900**	
2489N	**Return of 2489A A900**	
2139N	**Return of 2139A A900**	
2439N	**Return of 2439A A900**	

Memory Upgrade Products

Product No./ Option No.	Description	Price
12103AN	Return of 12103A 128 Kbyte A600/700	
12103BN	Return of 12103B 256 Kbyte A600/700	
12103CN	Return of 12103C 512 Kbyte A600/700	
12103DN	Return of 12104D 1 Mbyte A600/700	
12220AN	Return of 12220A 768 Kbyte A900	
12221AN	Return of 12221A 3 Mbyte A900	
12746HN Opt. 001	Return of 12746H 64 Kbyte E/F-Series	
12747HN Opt. 001	Return of 12747H 128 Kbyte E/F-Series	
12699HN Opt. 001	Return of 12699H 256 Kbyte E/F-Series	
12749HN Opt. 001	Return of 12749H 512 Kbyte E/F-Series	
12779HN Opt. 001	Return of 12779H 256 Kbyte CK BT E/F-Series	
12780HN Opt. 001	Return of 12780H 512 Kbyte CK BT E/F-Series	
12666HN Opt. 001	Return of 12666H 1 Mbyte CK BT E/F-Series	

Interface Cards

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

Graphics Subsystems, Upgrades, Accessories

Note: The following graphics systems are supported on the Models 825CHX, 825S, 825SRX, 835CHX, 835SRX, 835 TurboSRX, 835S, 835SE and the Model 840S only. For a listing of the HP-HIL Devices, refer to page 32.

Product No./ Option No.	Description	Price
A1020A	**Series 800 2D Graphics Processor**	
A1020H	**Series 800 2D High-resolution Graphics Subsystem.** Includes 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.	
98556A	**2D Integer-based Graphics Accelerator.** For use with A1020H Series 800 2D High-resolution Graphics Subsystem.	
98720A	**SRX 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 or alpha/graphics overlay planes. Includes power cord and keyboard cable. Series 300/800 Display Controller interfaces and monitor (98789A or 98752A) are not included.	
Opt. 721	Add Graphics Accelerator (98721A), limit is one per 98720A. Includes transform engine and scan converter.	
Opt. 722	Add eight planes of frame buffer memory (98722A), limit is four per 98720A	
Opt. 723	Additional power supply (98723A) required for use with 16-, 24-, or 32-plane systems	
98721A	**Graphics Accelerator for use with 98720A**	
98722A	**Frame Buffer Board**, adds eight planes of frame buffer memory. For use with 98720A.	
98723A	**Additional Power Supply**, required for use with all configurations but the eight-plane/no accelerator/no Z-buffer. (Order only if Opt. 123 ordered with original system and the system is now being upgraded with frame buffer memory and/or accelerators.)	
98730A	**TurboSRX Display Controller.** For use with the Models 350, 825, and 835 SPU. Includes four overlay planes and eight planes of frame buffer memory. Includes power cord and keyboard cable. Series 300/800 Display Controller interfaces and monitor (98789A or 98752A) are not included.	
Opt. 016	Add one frame buffer card for a total of 16 planes of frame buffer memory. (Cannot order concurrently with Opt. 024 or 123.)	
Opt. 024	Add two frame buffer cards for a total of 24 planes of frame buffer memory. (Cannot order concurrently with Opt. 016 or 123.)	
Opt. 060	Add three 3D Solid Rendering Graphics Accelerators and full 16-bit Z-buffer. (Cannot order with Opt. 123.)	
Opt. 123	Delete second power supply. (Cannot order concurrently with Opt. 016, 024 or 060.)	
98732A	**Three 3D Solid Rendering Graphics Accelerators and full 16-bit Z-buffer for use with the 98730A.** Requires two power supplies.	
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.	
Opt. 016	Upgrade for owners of 16-plane Model 825SRX. Deletes one frame buffer board and one power supply.	
Opt. 024	Upgrade for owners of 24-plane Model 825SRX. Deletes two frame buffer boards and one power supply.	
Opt. 032	Upgrade for owners of 32-plane Model 825SRX. Deletes two frame buffer boards and one power supply. Must return one 98722A frame buffer board.	
98752A	**19-inch Color Monitor** (1280 x 1024 resolution)	
98789A	**16-inch Color Monitor** (1280 X 1024 resolution)	
A1017A	**Series 800 32-bit Display Controller Interface for 98720A, 98730A and A1020A**	
98290A	**RGB Cable**	

Graphics Subsystems Return Credits
Must be ordered concurrently with a Series 800 pre-configured superworkstation or graphics subsystem. Consult your local Sales Representative for details.

Product No./ Option No.	Description	Price
97060N	**Return of 97060T System**	
98288N	**Return of Series 500 Interface for 98700A (98288A)**	
98700N	**Return of 98700A Display Controller**	
98701N	**Return of 98701A 4-plane frame buffer**	
98710N	**Return of 98710A Graphics Accelerator**	
98751N	**Return of 98751A 19-inch color monitor**	
98782N	**Return of 98782A 19-inch color monitor**	

Models 825/835 System Software

Models 825/835 HP-UX Operating Systems

Product No./ Option No.	Description	Price
92452A	**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, Real-time Package and Port/HP-UX.	
Opt. AA0	Software on ¼-inch cartridge tape	
Opt. AA1	Software on ½-inch 1600 cpi 9-track tape	
Opt. 0B0	Delete manuals	
Opt. 0CC	Revision upgrade for users not on support services. Requires prior purchase of 92452A.	
92453A	**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, Real-time Package and Port/HP-UX.	
Opt. 0A0	Upgrade from current 16-user (92452A) system. Requires prior or concurrent purchase of 92452A.	
Opt. AA0	Software on ¼-inch cartridge tape	
Opt. AA1	Software on ½-inch 1600 cpi 9-track tape	
Opt. 0B0	Delete manuals	
Opt. 0CC	Revision upgrade for user not on support services. Requires prior purchase of 98453A.	
Opt. 0CG	Inter-processor transfer credit	
92454A	**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, Real-time Package and Port/HP-UX.	
Opt. 0A1	Upgrade from current 16-user (92452A) system. Requires prior or concurrent purchase of 92452A.	
Opt. 0A2	Upgrade from current 32-user (92453A) system. Requires prior or concurrent purchase of 92453A.	
Opt. AA0	Software on ¼-inch cartridge tape	
Opt. AA1	Software on ½-inch 1600 cpi 9-track tape	
Opt. 0B0	Delete manuals	
Opt. 0CC	Revision upgrade for user not on support services. Requires prior purchase of 92454A.	
Opt. 0CG	Inter-processor transfer credit	
92439A	**Native Language I/O and Stick Kanji Font for Series 800**	
Opt. AA0	Software on ¼-inch cartridge tape	
Opt. AA1	Software on ½-inch 1600 cpi 9-track tape	
92439R	**Right-to-copy 92439A.** Requires prior or concurrent purchase of 92439A.	
Opt. 0B0	Delete manuals	
92433A	**Simplex Kanji Font for Series 800.** Requires current version of 92439A Native Language I/O.	
Opt. AA0	Software on ¼-inch cartridge tape	
Opt. AA1	Software on ½-inch 1600 cpi 9-track tape	
92433R	**Right-to-copy 92433A.** Requires prior or concurrent purchase of 92433A.	
Opt. 0B0	Delete manuals	

Models 825/835 HP-UX Languages

Product No./ Option No.	Description	Price
92447A	**Development Pack for Models 825/835.** Includes FORTRAN 77, Pascal, Starbase Graphics Library and DGL/AGP Graphics Library.	
Opt. AA0	Software on ¼-inch cartridge tape	
Opt. AA1	Software on ½-inch 1600 cpi 9-track tape	
Opt. 0C0	Return credit for E/F Value Pack	
Opt. 0C1	Return credit for A600 Value Pack	
Opt. 0C2	Return credit for A700 Value Pack	
Opt. 0C3	Return credit for A900 Value Pack	
Opt. 0CC	Revision upgrade for user not on support services. Requires prior purchase of 92447A.	
92443A	**FORTRAN 77/HP-UX Compiler for Models 825/835**	
Opt. AA0	Software on ¼-inch cartridge tape	
Opt. AA1	Software on ½-inch 1600 cpi 9-track tape	
Opt. 0C0	Return credit for E/F FORTRAN 77 (92836A)	
Opt. 0C1	Return credit for A600 FORTRAN 77 (92836A)	
Opt. 0C2	Return credit for A700 FORTRAN 77 (92836A)	
Opt. 0C3	Return credit for A900 FORTRAN 77 (92836A)	
Opt. 0C4	Return credit for E/F FORTRAN 4X (92834A)	
Opt. 0CA	Return credit from Series 500 Single-user FORTRAN 77 (97071A/C)	
Opt. 0CB	Return credit from Series 500 Multi-user FORTRAN 77 (97081A/C)	
Opt. 0CC	Revision upgrade for user not on support services. Requires prior purchase of 92443A.	
92443R	**Right-to-copy 92443A.** Requires prior or concurrent purchase of 92443A	
Opt. 0B0	Delete manuals	
Opt. 0C0	Return credit for E/F FORTRAN 77 (92836R)	
Opt. 0C1	Return credit for A600 FORTRAN 77 (92836R)	
Opt. 0C2	Return credit for A700 FORTRAN 77 (92836R)	
Opt. 0C3	Return credit for A900 FORTRAN 77 (92836R)	
Opt. 0C4	Return credit for E/F FORTRAN 4X (92834R)	
Opt. 0CA	Return credit for Series 500 Single-user FORTRAN 77 (97071M/R)	
Opt. 0CB	Return credit for Series 500 Multi-user FORTRAN 77 (97081M/R)	
92444A	**Pascal/HP-UX Compiler for Models 825/835**	
Opt. AA0	Software on ¼-inch cartridge tape	
Opt. AA1	Software on ½-inch 1600 cpi 9-track tape	
Opt. 0C0	Return credit for E/F Pascal (92833A)	
Opt. 0C1	Return credit for A600 Pascal (92833A)	
Opt. 0C2	Return credit for A700 Pascal (92833A)	
Opt. 0C3	Return credit for A900 Pascal (92833A)	
Opt. 0CA	Return credit for Series 500 Single-user Pascal (97072A/C)	
Opt. 0CB	Return credit for Series 500 Multi-user Pascal (97082A/C)	
Opt. 0CC	Revision upgrade for user not on support services. Requires prior purchase of 92444A.	
92444R	**Right-to-copy 92444A.** Requires prior or concurrent purchase of 92444A	
Opt. 0B0	Delete manuals	
Opt. 0C0	Return credit for E/F Pascal (92833R)	
Opt. 0C1	Return credit for A600 Pascal (92833R)	
Opt. 0C2	Return credit for A700 Pascal (92833R)	
Opt. 0C3	Return credit for A900 Pascal (92833R)	
Opt. 0CA	Return credit for Series 500 Single-user Pascal (97072M/R)	
Opt. 0CB	Return credit for Series 500 Multi-user Pascal (97082M/R)	
35328A*	**COBOL/HP-UX Developer Package for Models 825/835.** Includes COBOL/HP-UX compiler, ANIMATOR debugging tool, FORMS-2 screen generator and manual set.	
Opt. AA0	Software on ¼-inch cartridge tape	
Opt. AA1	Software on ½-inch 1600 cpi 9-track tape	
Opt. 0C7	Upgrade from HP 9000 Model 318, 319, 320, 330	
Opt. 0C8	Upgrade from HP 9000 Model 350	
Opt. 222	Upgrade from COBOL/HP-UX compiler. Requires prior purchase of 35335A.	
35329A*	**COBOL/HP-UX Run-Time System for HP 9000 Models 825/835**	
Opt. AA0	Software on ¼-inch cartridge tape	
Opt. AA1	Software on ½-inch 1600 cpi 9-track tape	
Opt. 0C7	Upgrade from HP 9000 Model 318, 319, 320, 330	
Opt. 0C8	Upgrade from HP 9000 Model 350	
35335A*	**COBOL/HP-UX Compiler for HP 9000 Models 825/835.** Includes COBOL/HP-UX compiler, COBOL/HP-UX run-time system and manual set.	
Opt. AA0	Software on ¼-inch cartridge tape	
Opt. AA1	Software on ½-inch 1600 cpi 9-track tape	
Opt. 0C7	Upgrade from HP 9000 Model 318, 319, 320, 330	
Opt. 0C8	Upgrade from HP 9000 Model 350	

Product available on 1 June 1988.

Models 825/835 HP-UX Graphics Libraries

Product No./ Option No.	Description	Price
92445A Opt. AA0 Opt. AA1	**Starbase/HP-UX Graphics Library for Models 825/835** Software on ¼-inch cartridge tape Software on ½-inch 1600 cpi 9-track tape	
92445R Opt. 0B0	**Right-to-copy 92445A.** Requires prior or concurrent purchase of 92445A. Delete manuals	
92446A Opt. AA0 Opt. AA1 Opt. 0C0 Opt. 0C1 Opt. 0C2 Opt. 0C3 Opt. 0C4 Opt. 0C5 Opt. 0C6 Opt. 0C7 Opt. 0CA Opt. 0CB	**DGL/AGP/HP-UX Graphics Library for Models 825/835.** Includes 92445A Starbase/HP-UX Graphics Library. Software on ¼-inch cartridge tape Software on ½-inch 1600 cpi 9-track tape Return credit for E/F DGL (92861A) Return credit for A600 DGL (92861A) Return credit for A700 DGL (92861A) Return credit for A900 DGL (92861A) Return credit for E/F DGL + AGP (92861A + 92862A) Return credit for A600 DGL + AGP (92861A + 92862A) Return credit for A700 DGL + AGP (92861A + 92862A) Return credit for A900 DGL + AGP (92861A + 92862A) Return credit for Series 500 Single-user AGP (97075A/C) Return credit for Series 500 Multi-user AGP (97085A/C)	
92446R Opt. 0B0 Opt. 0C0 Opt. 0C1 Opt. 0C2 Opt. 0C3 Opt. 0C4 Opt. 0C5 Opt. 0C6 Opt. 0C7 Opt. 0CA Opt. 0CB	**Right-to-copy 92446A.** Requires prior or concurrent purchase of 92446A. Delete manuals Return credit for E/F DGL (92861R) Return credit for A600 DGL (92861R) Return credit for A700 DGL (92861R) Return credit for A900 DGL (92861R) Return credit for E/F DGL + AGP (92861R + 92862R) Return credit for A600 DGL + AGP (92861R + 92862R) Return credit for A700 DGL + AGP (92861R + 92862R) Return credit for A900 DGL + AGP (92861R + 92862R) Return credit for Series 500 Single-user AGP (97075M/R) Return credit for Series 500 Multi-user AGP (97085M/R)	
92521A Opt. AA0 Opt. AA1 Opt. 0CA	**HP GKS/HP-UX for Models 825/835.** Requires current version Starbase/HP-UX (92445A). Software on ¼-inch cartridge tape Software on ½-inch 1600 cpi 9-track tape Return credit for Series 500 GKS (98673A)	
92521R Opt. 0B0	**Right-to-copy 92521A.** Requires prior or concurrent purchase of 92521A. Delete manuals	
92522A Opt. AA0 Opt. AA1	**Starbase/HP-UX Display List for Models 825/835.** Requires current version of Starbase/HP-UX (92445A). Software on ¼-inch cartridge tape Software on ½-inch 1600 cpi 9-track tape	
92522R Opt. 0B0	**Right-to-copy 92522A.** Requires prior or concurrent purchase of 92522A. Delete manuals	
92524A Opt. AA0 Opt. AA1	**X Window System for Models 825/835.** Software on ¼-inch cartridge tape Software on ½-inch 1600 cpi 9-track tape	
92524R Opt. 0B0	**Right-to-copy 92524A.** Requires prior or concurrent purchase of 92524A. Delete manuals	

Models 825/835 HP-UX Productivity Tools and Data Management Software

Product No./ Option No.	Description	Price
92459A	**ALLBASE/HP-UX and HP TODAY/HP-UX Developer Pack for Models 825/835.** Includes 92460A ALLBASE/HP-UX and 35305A HP TODAY/HP-UX Developer Pack.	
Opt. AA0	Software on ¼-inch cartridge tape	
Opt. AA1	Software on ½-inch 1600 cpi 9-track tape	
Opt. 0C0	Return credit for E/F IMAGE/1000-I (92069A)	
Opt. 0C1	Return credit for A600 IMAGE/1000-I (92069A)	
Opt. 0C2	Return credit for A700 IMAGE/1000-I (92069A)	
Opt. 0C3	Return credit for A900 IMAGE/1000-I (92069A)	
Opt. 0C4	Return credit for E/F IMAGE/1000-II (92081A)	
Opt. 0C5	Return credit for A600 IMAGE/1000-II (92081A)	
Opt. 0C6	Return credit for A700 IMAGE/1000-II (92081A)	
Opt. 0C7	Return credit for A900 IMAGE/1000-II (92081A)	
Opt. 0CA	Return credit for Series 500 Single-user IMAGE (97073A/C)	
Opt. 0CB	Return credit for Series 500 Multi-user IMAGE (97083A/C)	
Opt. 0CC	Revision upgrade for user not on support services. Requires prior purchase of 92459A.	
92460A	**ALLBASE/HP-UX for Models 825/835**	
Opt. AA0	Software on ¼-inch cartridge tape	
Opt. AA1	Software on ½-inch 1600 cpi 9-track tape	
Opt. 0C0	Return credit for E/F IMAGE/1000-I (92069A)	
Opt. 0C1	Return credit for A600 IMAGE/1000-I (92069A)	
Opt. 0C2	Return credit for A700 IMAGE/1000-I (92069A)	
Opt. 0C3	Return credit for A900 IMAGE/1000-I (92069A)	
Opt. 0C4	Return credit for E/F IMAGE/1000-II (92081A)	
Opt. 0C5	Return credit for A600 IMAGE/1000-II (92081A)	
Opt. 0C6	Return credit for A700 IMAGE/1000-II (92081A)	
Opt. 0C7	Return credit for A900 IMAGE/1000-II (92081A)	
Opt. 0CA	Return credit for Series 500 Single-user IMAGE (97073A/C)	
Opt. 0CB	Return credit for Series 500 Multi-user IMAGE (97083A/C)	
Opt. 0CC	Revision upgrade for user not on support services. Requires prior purchase of 92460A.	
92460R	**Right-to-copy 92460A.** Requires prior or concurrent purchase of 92460A	
Opt. 0B0	Delete manuals	
Opt. 0C0	Return credit for E/F IMAGE/1000-I (92069R)	
Opt. 0C1	Return credit for A600 IMAGE/1000-I (92069R)	
Opt. 0C2	Return credit for A700 IMAGE/1000-I (92069R)	
Opt. 0C3	Return credit for A900 IMAGE/1000-I (92069R)	
Opt. 0C4	Return credit for E/F IMAGE/1000-II (92081R)	
Opt. 0C5	Return credit for A600 IMAGE/1000-II (92081R)	
Opt. 0C6	Return credit for A700 IMAGE/1000-II (92081R)	
Opt. 0C7	Return credit for A900 IMAGE/1000-II (92081R)	
Opt. 0CA	Return credit for Series 500 Single-user IMAGE (97073M/R)	
Opt. 0CB	Return credit for Series 500 Multi-user IMAGE (97083M/R)	
92533A	**HP Visor/HP-UX for Models 825/835.**	
Opt. AA0	Software on ¼-inch cartridge tape	
Opt. AA1	Software on ½-inch 1600 cpi 9-track tape	
Opt. 0CC	Revision upgrade for user not on support services. Requires prior purchase of 92533A.	
92533R	**Right-to-copy 92533A.** Requires prior or concurrent purchase of 92533A.	
35305A	**HP TODAY/HP-UX Developer Pack for Models 825/835.**	
Opt. AA0	Software on ¼-inch cartridge tape	
Opt. AA1	Software on ½-inch 1600 cpi 9-track tape	
35306A	**HP TODAY/HP-UX Run-time Environment for Models 825/835.**	
Opt. AA0	Software on ¼-inch cartridge tape	
Opt. AA1	Software on ½-inch 1600 cpi 9-track tape	

Models 825/835 HP-UX Networking

Product No./ Option No.	Description	Price
91786A Opt. AA1 Opt. 740 Opt. 811 Opt. 841	**LAN/9000 Series 800 Link for Models 825/835.** Includes Local Area Network Interface Controller (LANIC), ThinMAU with "T" connector, ¼-inch cartridge tape, IEEE 802 card connector cable. Replace ¼-inch cartridge tape media with ½-inch 1600 cpi 9-track tape Replace ThinMAU with ThickMAU and AUI cable Replace IEEE 802 card connector cable and ThinMAU with Ethernet Rev. 1-based card connector cable Delete ThinMAU and "T" connector	
91787A Opt. AA1 Opt. 0CA	**NS/9000 for Models 825/835.** Requires 91786A LAN/9000 Series 800. Includes software on ¼-inch cartridge tape. Replace ¼-inch cartridge tape with ½-inch 1600 cpi 9-track tape Return credit for NS/9000 Series 500 (50953A or 50954A)	
91787R Opt. 0B0 Opt. 0CA	**Right-to-copy 91787A.** Requires prior or concurrent purchase of 91787A. Delete manuals Return credit for NS/9000 Series 500 (50953R or 50954R)	
98195K	**NS/9000 Manual Kit for Series 800**	
50980K	**ARPA Services Manual Kit for Series 800**	
50981A Opt. AA0 Opt. AA1 Opt. 0CA	**ARPA Services/800 for Models 825/835.** Requires purchase of 91786A LAN/9000 Series 800. Software on ¼-inch cartridge tape Software on ½-inch 1600 cpi 9-track tape Return credit for NS/9000 Series 500 (50953A or 50954A)	
50981R Opt. 0CA	**Right-to-copy 50981A.** Requires prior or concurrent purchase of 50981A. Return credit for NS/9000 Series 500 (50953R or 50954R)	
50970A Opt. AA0 Opt. AA1	**NFS Services for Models 825/835.** Requires 91786A LAN/9000 Series 800. Software on ¼-inch cartridge tape Software on ½-inch 1600 cpi 9-track tape	
50970R Opt. 0B0	**Right-to-copy 50970A.** Requires prior or concurrent purchase of 50970A. Includes documentation. Delete manuals.	
36918A Opt. AA0 Opt. AA1	**HP-UX Gateway SNA/3270 for Models 825/835.** Requires purchase of 91787A NS/9000 and 91786A LAN/9000 Series 800, and access to 36543A HP-UX Gateway/SNA Link Series 300. Software on ¼-inch cartridge tape Software on ½-inch 1600 cpi 9-track tape	
36918R	**Right-to-copy 36918A.** Requires prior or concurrent purchase of 36918A.	
98185A Opt. AA0 Opt. AA1	**HP-UX Gateway SNA/3770 for Models 825/835.** Requires purchase of 91787A NS/9000 and 91786A LAN/9000 Series 800, and access to 36543A HP-UX Gateway/SNA Link Series 300. Software on ¼-inch cartridge tape Software on ½-inch 1600 cpi 9-track tape	
98185R	**Right-to-copy 98185A.** Requires prior or concurrent purchase of 98185A.	
50950A Opt. 044 Opt. 200 Opt. 250 Opt. 300 Opt. 350 Opt. 400	**NS for the DEC VAX Computer software** For HP 9000 to DEC MicroVAX communications. Software on 5¼-inch flexible (RX50). For HP 9000 to DEC MicroVAX communications. Software on TK50 cassette tape. Upgrade from DEC Micro VAX to mid-range VAX computer For HP 9000 to DEC 11/725-85X0 communications. Software on 9-track tape. Upgrade from DEC VAX mid-range to high-end VAX computer For HP 9000 to DEC 8600-89X0 communications. Software on 9-track tape.	
50950R Opt. 044 Opt. 200 Opt. 300 Opt. 400	**Right-to-copy NS for the DEC VAX Computer software.** Requires prior or concurrent purchase of 50950A. For HP 9000 to DEC MicroVAX communications For HP 9000 to DEC MicroVAX communications For HP 9000 to DEC 11/725-85X0 communications For HP 9000 to DEC 8600-89X0 communications	

Note: See page 27 for Series 800 LAN Cabling Products.

Model 840 System Software

Model 840 HP-UX Operating Systems

Product No./ Option No.	Description	Price
92452A	**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, Real-time Package and Port/HP-UX.	
Opt. AA0	Software on ¼-inch cartridge tape	
Opt. AA1	Software on ½-inch 1600 cpi 9-track tape	
Opt. 0B0	Delete manuals	
Opt. 0CC	Revision upgrade for users not on support services. Requires prior purchase of 92452A.	
92453A	**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, Real-time Package and Port/HP-UX.	
Opt. 0A0	Upgrade from current 16-user (92452A) system. Requires prior or concurrent purchase of 92452A.	
Opt. AA0	Software on ¼-inch cartridge tape	
Opt. AA1	Software on ½-inch 1600 cpi 9-track tape	
Opt. 0B0	Delete manuals	
Opt. 0CC	Revision upgrade for user not on support services. Requires prior purchase of 92453A.	
Opt. 0CG	Inter-processor transfer credit	
92454A	**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, Real-time Package and Port/HP-UX.	
Opt. 0A1	Upgrade from current 16-user (92452A) system. Requires prior or concurrent purchase of 92452A.	
Opt. 0A2	Upgrade from current 32-user (92453A) system. Requires prior or concurrent purchase of 92453A.	
Opt. AA0	Software on ¼-inch cartridge tape	
Opt. AA1	Software on ½-inch 1600 cpi 9-track tape	
Opt. 0B0	Delete manuals	
Opt. 0CC	Revision upgrade for user not on support services. Requires prior purchase of 92454A.	
Opt. 0CG	Inter-processor transfer credit	
92455A	**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, Real-time Package and Port/HP-UX.	
Opt. 0A1	Upgrade from current 16-user (92452A) system. Requires prior or concurrent purchase of 92452A.	
Opt. 0A2	Upgrade from current 32-user (92453A) system. Requires prior or concurrent purchase of 92453A.	
Opt. 0A3	Upgrade from current 64-user (92454A) system. Requires prior or concurrent purchase of 92454A.	
Opt. AA0	Software on ¼-inch cartridge tape	
Opt. AA1	Software on ½-inch 1600 cpi 9-track tape	
Opt. 0B0	Delete manuals	
Opt. 0CC	Revision upgrade for user not on support services. Requires prior purchase of 92455A.	
Opt. 0CG	Inter-processor transfer credit	
92439A	**Native Language I/O and Stick Kanji Font for Series 800.**	
Opt. AA0	Software on ¼-inch cartridge tape	
Opt. AA1	Software on ½-inch 1600 cpi 9-track tape	
92439R	**Right-to-copy 92439A.** Requires prior or concurrent purchase of 92439A.	
Opt. 0B0	Delete manuals	
92433A	**Simplex Kanji Font for Series 800.** Requires current version of 92439A Native Language I/O.	
Opt. AA0	Software on ¼-inch cartridge tape	
Opt. AA1	Software on ½-inch 1600 cpi 9-track tape	
92433R	**Right-to-copy 92433A.** Requires prior or concurrent purchase of 92433A.	
Opt. 0B0	Delete manuals	

Model 840 HP-UX Languages

Product No./ Option No.	Description	Price
92438A	**Development Pack for Model 840.** Includes FORTRAN 77, Pascal, Starbase Graphics Library and DGL/AGP Graphics Library.	
Opt. AA0	Software on ¼-inch cartridge tape	
Opt. AA1	Software on ½-inch 1600 cpi 9-track tape	
Opt. 0C0	Return credit for E/F Value Pack	
Opt. 0C1	Return credit for A600 Value Pack	
Opt. 0C2	Return credit for A700 Value Pack	
Opt. 0C3	Return credit for A900 Value Pack	
Opt. 0C8	Return credit for Model 825 Development Pack (92447A)	
Opt. 0CC	Revision upgrade for user not on support services. Requires previous purchase of 92438A.	

Product No./ Option No.	Description	Price
92430A	**FORTRAN 77/HP-UX Compiler for Model 840**	
Opt. AA0	Software on ¼-inch cartridge tape	
Opt. AA1	Software on ½-inch 1600 cpi 9-track tape	
Opt. 0C0	Return credit for E/F FORTRAN 77 (92836A)	
Opt. 0C1	Return credit for A600 FORTRAN 77 (92836A)	
Opt. 0C2	Return credit for A700 FORTRAN 77 (92836A)	
Opt. 0C3	Return credit for A900 FORTRAN 77 (92836A)	
Opt. 0C4	Return credit for E/F FORTRAN 4X (92834A)	
Opt. 0C8	Return credit for Models 825/835 FORTRAN 77 (92443A)	
Opt. 0CA	Return credit from Series 500 Single-user FORTRAN 77 (97071A/C)	
Opt. 0CB	Return credit from Series 500 Multi-user FORTRAN 77 (97081A/C)	
Opt. 0CC	Revision upgrade for user not on support services. Requires previous purchase of 92430A.	
92430R	**Right-to-copy 92430A.** Requires prior or concurrent purchase of 92430A.	
Opt. 0B0	Delete manuals	
Opt. 0C0	Return credit for E/F FORTRAN 77 (92836R)	
Opt. 0C1	Return credit for A600 FORTRAN 77 (92836R)	
Opt. 0C2	Return credit for A700 FORTRAN 77 (92836R)	
Opt. 0C3	Return credit for A900 FORTRAN 77 (92836R)	
Opt. 0C4	Return credit for E/F FORTRAN 4X (92834R)	
Opt. 0C8	Return credit for Models 825/835 FORTRAN 77 (92443R)	
Opt. 0CA	Return credit for Series 500 Single-user FORTRAN 77 (97071M/R)	
Opt. 0CB	Return credit for Series 500 Multi-user FORTRAN 77 (97081M/R)	
92431A	**Pascal/HP-UX Compiler for Model 840**	
Opt. AA0	Software on ¼-inch cartridge tape	
Opt. AA1	Software on ½-inch 1600 cpi 9-track tape	
Opt. 0C0	Return credit for E/F Pascal (92833A)	
Opt. 0C1	Return credit for A600 Pascal (92833A)	
Opt. 0C2	Return credit for A700 Pascal (92833A)	
Opt. 0C3	Return credit for A900 Pascal (92833A)	
Opt. 0C8	Return credit for Models 825/835 Pascal (92444A)	
Opt. 0CA	Return credit for Series 500 Single-user Pascal (97072A/C)	
Opt. 0CB	Return credit for Series 500 Multi-user Pascal (97082A/C)	
Opt. 0CC	Revision upgrade for user not on support services. Requires previous purchase of 92431A.	
92431R	**Right-to-copy 92431A.** Requires prior or concurrent purchase of 92431A.	
Opt. 0B0	Delete manuals	
Opt. 0C0	Return credit for E/F Pascal (92833R)	
Opt. 0C1	Return credit for A600 Pascal (92833R)	
Opt. 0C2	Return credit for A700 Pascal (92833R)	
Opt. 0C3	Return credit for A900 Pascal (92833R)	
Opt. 0C8	Return credit for Models 825/835 Pascal (92444R)	
Opt. 0CA	Return credit for Series 500 Single-user Pascal (97072M/R)	
Opt. 0CB	Return credit for Series 500 Multi-user Pascal (97082M/R)	
35326A*	**COBOL/HP-UX Developer Package for HP 9000 Model 840S.** Includes COBOL/HP-UX compiler, ANIMATOR debugging tool, FORMS-2 screen generator, COBOL/HP-UX run-time system and manual set.	
Opt. AA0	Software on ¼-inch cartridge tape	
Opt. AA1	Software on ½-inch 1600 cpi 9-track tape	
Opt. 0C7	Upgrade from HP 9000 Model 318, 319, 320, 330	
Opt. 0C8	Upgrade from HP 9000 Model 350, Model 825S or Model 835S	
Opt. 222	Upgrade from COBOL/HP-UX compiler. Requires prior purchase of 35336A.	
35327A*	**COBOL/HP-UX Run-Time System for HP 9000 Model 840S.**	
Opt. AA0	Software on ¼-inch cartridge tape	
Opt. AA1	Software on ½-inch 1600 cpi 9-track tape	
Opt. 0C7	Upgrade from HP 9000 Model 318, 319, 320, 330	
Opt. 0C8	Upgrade from HP 9000 Model 350, Model 825S or Model 835S	
35336A*	**COBOL/HP-UX Compiler for HP 9000 Model 840S.** Includes COBOL/HP-UX compiler, COBOL/HP-UX run-time system and manual set.	
Opt. AA0	Software on ¼-inch cartridge tape	
Opt. AA1	Software on ½-inch 1600 cpi 9-track tape	
Opt. 0C7	Upgrade from HP 9000 Model 318, 319, 320, 330	
Opt. 0C8	Upgrade from HP 9000 Model 350, Model 825S or Model 835S	

* *Product available on 1 June 1988.*

Model 840 HP-UX Graphics Libraries

Product No./ Option No.	Description	Price
92436A Opt. AA0 Opt. AA1 Opt. 0C8 Opt. 0CC	**Starbase/HP-UX Graphics Library for Model 840** Software on ¼-inch cartridge tape Software on ½-inch 1600 cpi 9-track tape Return credit for Models 825/835 Starbase Graphics Library (92445A) Revision upgrade for user not on support services	
92436R Opt. 0B0 Opt 0C8	**Right-to-copy 92436A.** Requires prior or concurrent purchase of 92436A. Delete manuals Return credit for Models 825/835 Starbase Graphics Library (92445R)	
92437A Opt. AA0 Opt. AA1 Opt. 0C0 Opt. 0C1 Opt. 0C2 Opt. 0C3 Opt. 0C4 Opt. 0C5 Opt. 0C6 Opt. 0C7 Opt. 0C8 Opt. 0CA Opt. 0CB Opt. 0CC	**DGL/AGP/HP-UX Graphics Library for Model 840.** Includes 92436A Starbase/HP-UX Graphics Library Software on ¼-inch cartridge tape Software on ½-inch 1600 cpi 9-track tape Return credit for E/F DGL (92861A) Return credit for A600 DGL (92861A) Return credit for A700 DGL (92861A) Return credit for A900 DGL (92861A) Return credit for E/F DGL + AGP (92861A + 92862A) Return credit for A600 DGL + AGP (92861A + 92862A) Return credit for A700 DGL + AGP (92861A + 92862A) Return credit for A900 DGL + AGP (92861A + 92862A) Return credit for Models 825/835 DGL/AGP (92446A) Return credit for Series 500 Single-user AGP (97075A/C) Return credit for Series 500 Multi-user AGP (97085A/C) Revision upgrade for user not on support services. Requires prior purchase of 92437A.	
92437R Opt. 0B0 Opt. 0C0 Opt. 0C1 Opt. 0C2 Opt. 0C3 Opt. 0C4 Opt. 0C5 Opt. 0C6 Opt. 0C7 Opt. 0C8 Opt. 0CA Opt. 0CB	**Right-to-copy 92437A.** Requires prior or concurrent purchase of 92437A. Delete manuals Return credit for E/F DGL (92861R) Return credit for A600 DGL (92861R) Return credit for A700 DGL (92861R) Return credit for A900 DGL (92861R) Return credit for E/F DGL + AGP (92861R + 92862R) Return credit for A600 DGL + AGP (92861R + 92862R) Return credit for A700 DGL + AGP (92861R + 92862R) Return credit for A900 DGL + AGP (92861R + 92862R) Return credit for Models 825/835 DGL/AGP (92446R) Return credit for Series 500 Single-user AGP (97075M/R) Return credit for Series 500 Multi-user AGP (97085M/R)	
92525A Opt. AA0 Opt. AA1 Opt. 0AC	**HP GKS/HP-UX for Model 840.** Requires current version of Starbase/HP-UX (92436A). Software on ¼-inch cartridge tape Software on ½-inch 1600 cpi 9-track tape Return credit for Series 500 GKS (98673A)	
92525R Opt. 0B0	**Right-to-copy 92525A.** Requires prior or concurrent purchase of 92525A. Delete manuals	
92526A Opt. AA0 Opt. AA1	**Starbase/HP-UX Display List for Model 840.** Requires current version of Starbase/HP-UX (92436A). Software on ¼-inch cartridge tape Software on ½-inch 1600 cpi 9-track tape	
92526R Opt. 0B0	**Right-to-copy 92526A.** Requires prior or concurrent purchase of 92526A. Delete manuals	
92528A Opt. AA0 Opt. AA1	**X Window System for Model 840** Software on ¼-inch cartridge tape Software on ½-inch 1600 cpi 9-track tape	
92528R Opt. 0B0	**Right-to-copy 92528A.** Requires prior or concurrent purchase of 92528A. Delete manuals	

Model 840 HP-UX Productivity Tools and Data Management Software

Product No./ Option No.	Description	Price
92442A	**ALLBASE/HP-UX and HP ToDAY/HP-UX Developer Pack for Model 840.** Includes 36217A ALLBASE/HP-UX and 92440A HP ToDAY/HP-UX Developer Pack.	
Opt. AA0	Software on ¼-inch cartridge tape	
Opt. AA1	Software on ½-inch 1600 cpi 9-track tape	
Opt. 0C0	Return credit for E/F IMAGE/1000-I (92069A)	
Opt. 0C1	Return credit for A600 IMAGE/1000-I (92069A)	
Opt. 0C2	Return credit for A700 IMAGE/1000-I (92069A)	
Opt. 0C3	Return credit for A900 IMAGE/1000-I (92069A)	
Opt. 0C4	Return credit for E/F IMAGE/1000-II (92081A)	
Opt. 0C5	Return credit for A600 IMAGE/1000-II (92081A)	
Opt. 0C6	Return credit for A700 IMAGE/1000-II (92081A)	
Opt. 0C7	Return credit for A900 IMAGE/1000-II (92081A)	
Opt. 0C8	Return credit for Models 825/835 ALLBASE and HP ToDAY (92459A)	
Opt. 0CA	Return credit for Series 500 Single-user IMAGE (97073A/C)	
Opt. 0CB	Return credit for Series 500 Multi-user IMAGE (97083A/C)	
Opt. 0CC	Revision upgrade for user not on support services. Requires prior purchase of 92442A.	
36217A	**ALLBASE/HP-UX for Model 840**	
Opt. AA0	Software on ¼-inch cartridge tape	
Opt. AA1	Software on ½-inch 1600 cpi 9-track tape	
Opt. 0C0	Return credit for E/F IMAGE/1000-I (92069A)	
Opt. 0C1	Return credit for A600 IMAGE/1000-I (92069A)	
Opt. 0C2	Return credit for A700 IMAGE/1000-I (92069A)	
Opt. 0C3	Return credit for A900 IMAGE/1000-I (92069A)	
Opt. 0C4	Return credit for E/F IMAGE/1000-II (92081A)	
Opt. 0C5	Return credit for A600 IMAGE/1000-II (92081A)	
Opt. 0C6	Return credit for A700 IMAGE/1000-II (92081A)	
Opt. 0C7	Return credit for A900 IMAGE/1000-II (92081A)	
Opt. 0C8	Return credit for Models 825/835 ALLBASE (92460A)	
Opt. 0CA	Return credit for Series 500 Single-user IMAGE (97073A/C)	
Opt. 0CB	Return credit for Series 500 Multi-user IMAGE (97083A/C)	
Opt. 0CC	Revision upgrade for user not on support services. Requires previous purchase of 36217A.	
36217R	**Right-to-copy 36217A.** Requires prior or concurrent purchase of 36217A.	
Opt. 0B0	Delete manuals	
Opt. 0C0	Return credit for E/F IMAGE/1000-I (92069R)	
Opt. 0C1	Return credit for A600 IMAGE/1000-I (92069R)	
Opt. 0C2	Return credit for A700 IMAGE/1000-I (92069R)	
Opt. 0C3	Return credit for A900 IMAGE/1000-I (92069R)	
Opt. 0C4	Return credit for E/F IMAGE/1000-II (92081R)	
Opt. 0C5	Return credit for A600 IMAGE/1000-II (92081R)	
Opt. 0C6	Return credit for A700 IMAGE/1000-II (92081R)	
Opt. 0C7	Return credit for A900 IMAGE/1000-II (92081R)	
Opt. 0C8	Return credit for Models 825/835 ALLBASE (92460R)	
Opt. 0CA	Return credit for Series 500 Single-user IMAGE (97073M/R)	
Opt. 0CB	Return credit for Series 500 Multi-user IMAGE (97083M/R)	
92534A	**HP Visor/HP-UX for Model 840**	
Opt. AA0	Software on ¼-inch cartridge tape	
Opt. AA1	Software on ½-inch 1600 cpi 9-track tape	
Opt. 0C8	Return credit for Model 825 Visor (92533A)	
Opt. 0CC	Revision upgrade for user not on support services. Requires prior purchase of 92534A.	
92534R	**Right-to-copy 92534A.** Requires prior or concurrent purchase of 92534A.	
Opt. 0B0	Delete manuals	
Opt. 0C8	Return credit for Model 825 Visor (92533R)	
92440A	**HP ToDAY/HP-UX Developer Pack for Model 840**	
Opt. AA0	Software on ¼-inch cartridge tape	
Opt. AA1	Software on ½-inch 1600 cpi 9-track tape	
Opt. 0C8	Return credit for Models 825/835 HP ToDAY (35305A)	
92440R	**Right-to-copy 92440A.** Requires prior or concurrent purchase of 92440A.	
92441A	**HP ToDAY/HP-UX Run-time Environment for Model 840**	
Opt. AA0	Software on ¼-inch cartridge tape	
Opt. AA1	Software on ½-inch 1600 cpi 9-track tape	
Opt. 0C8	Return credit for Models 825/835 HP ToDAY (35306A)	

Model 840 HP-UX Networking

Product No./ Option No.	Description	Price
98194A	**LAN/9000 Series 800 Link for Model 840.** Includes LANIC, ThinMAU with "T" connector, ¼-inch cartridge tape, IEEE 802 card connector cable.	
Opt. AA1	Replace ¼-inch tape media with ½-inch 1600 cpi 9-track tape	
Opt. 740	Replace ThinMAU with ThickMAU and AUI cable	
Opt. 811	Replace IEEE 802.3 card connector cable and ThinMAU with Ethernet Rev. 1-based card connector cable	
Opt. 841	Delete ThinMAU and "T" connector	
Opt. 0C8	Return credit for LAN/9000 Series 800 Link (Models 825/835)	
98195A	**NS/9000 for Model 840.** Requires 98194A LAN/9000 Series 800. Includes software on ¼-inch cartridge tape.	
Opt. AA1	Replace ¼-inch cartridge tape with ½-inch 1600 cpi 9-track tape	
Opt. 0CA	Return credit for NS/9000 Series 500 (50953A or 50954A)	
Opt. 0C8	Return credit for NS/9000 Models 825/835 (91787A)	
98195K	**NS/9000 Manual Kit for Series 800**	
98195R	**Right-to-copy 98195A.** Requires prior or concurrent purchase of 98195A.	
Opt. 0B0	Delete manuals	
Opt. 0CA	Return credit for NS/9000 Series 500 (50953A or 50954R)	
Opt. 0C8	Return credit for NS/9000 Models 825/835 (91787R)	
50980A	**ARPA Services/800 for Model 840.** Requires 98194A LAN/9000 Series 800.	
Opt. AA0	Software on ¼-inch cartridge tape	
Opt. AA1	Software on ½-inch 1600 cpi 9-track tape	
Opt. 0CA	Return credit for NS/9000 Series 500 (50953A or 50954A)	
Opt. 0C8	Return credit for ARPA Services Models 825/835 (50981A)	
50980K	**ARPA Services Manual Kit for Series 800**	
50980R	**Right-to-copy 50980A.** Requires prior or concurrent purchase of 50980A.	
Opt. 0CA	Return credit for NS/9000 Series 500 (50953R or 50954R)	
Opt. 0C8	Return credit for ARPA Services Models 825/835 (50981R)	
50971A	**NFS Services for Model 840.** Requires 98194A LAN/9000 Series 800.	
Opt. AA0	Software on ¼-inch cartridge tape	
Opt. AA1	Software on ½-inch 1600 cpi 9-track tape	
Opt. 0C8	Return credit for NFS Services Models 825/835 (50970A)	
50971R	**Right-to-copy 50971A.** Requires prior or concurrent purchase of 50971A.	
Opt. 0B0	Delete manuals	
Opt. 0C8	Return credit for NFS Services Models 825/835 (50970R)	
36911A	**HP-UX Gateway SNA/3270 for Model 840.** Requires purchase of 98194A LAN/9000 Series 800 and 98195A NS/9000, and access to 36593A HP-UX Gateway/SNA Link Series 300.	
Opt. AA0	Software on ¼-inch cartridge tape	
Opt. AA1	Software on ½-inch 1600 cpi 9-track tape	
36911R	**Right-to-copy 36911A.** Requires prior or concurrent purchase of 36911A.	
98186A	**HP-UX Gateway SNA/3770 for Model 840.** Requires purchase of 98195A NS/9000 and 98194A LAN/9000 Series 200, and access to 36543A HP-UX Gateway/SNA Link Series 300.	
Opt. AA0	Software on ¼-inch cartridge tape	
Opt. AA1	Software on ½-inch 1600 cpi 9-track tape	
98186R	**Right-to-copy 98186A.** Requires prior or concurrent purchase of 98186A.	
50950A	**NS for the DEC VAX computer software**	
Opt. 044	For HP 9000 to DEC MicroVAX communications. Software on 5¼-inch flexible (RX50).	
Opt. 200	For HP 9000 to DEC MicroVAX communications. Software on TK50 cassette tape.	
Opt. 250	Upgrade from DEC MicroVAX to mid-range VAX computer	
Opt. 300	For HP 9000 to DEC 11/725-85X0 communications. Software on 9-track tape.	
Opt. 350	Upgrade from DEC VAX mid-range to high-end VAX computer	
Opt. 400	For HP 9000 to DEC 8600-89X0 communications. Software on 9-track tape.	
50950R	**Right-to-copy NS for the DEC VAX computer software.** Requires prior or concurrent purchase of 50950A.	
Opt. 044	For HP 9000 to DEC MicroVAX communications	
Opt. 200	For HP 9000 to DEC MicroVAX communications	
Opt. 300	For HP 9000 to DEC 11/725-85X0 communications	
Opt. 400	For HP 9000 to DEC 8600-89X0 communications	

Note: See page 27 for Series 800 LAN Cabling Products.

Model 850 System Software

Model 850 HP-UX Operating Systems

Product No./ Option No.	Description	Price
92453A	**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, Real-time Package and Port/HP-UX.	
Opt. AA0	Software on ¼-inch cartridge tape	
Opt. AA1	Software on ½-inch 1600 cpi 9-track tape	
Opt. 0B0	Delete manuals	
Opt. 0CC	Revision upgrade for user not on support services. Requires prior purchase of 92453A.	
Opt. 0CG	Inter-processor transfer credit	
92454A	**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, Real-time Package and Port/HP-UX.	
Opt. 0A2	Upgrade from current 32-user (92453A) system (Requires prior or concurrent purchase of 92453A.)	
Opt. AA0	Software on ¼-inch cartridge tape	
Opt. AA1	Software on ½-inch 1600 cpi 9-track tape	
Opt. 0B0	Delete manuals	
Opt. 0CC	Revision upgrade for user not on support services. Requires prior purchase of 92454A.	
Opt. 0CG	Inter-processor transfer credit	
92455A	**HP-UX unlimited license for the Series 800.** Featuring C Compiler and the HP-UX Symbolic Debugger. Also includes Assembler, Device I/O Library, Real-time Package and Port/HP-UX.	
Opt. 0A2	Upgrade from current 32-user (92453A) system. Requires prior or concurrent purchase of 92453A.	
Opt. 0A3	Upgrade from current 64-user (92454A) system. Requires prior or concurrent purchase of 92454A.	
Opt. AA0	Software on ¼-inch cartridge tape	
Opt. AA1	Software on ½-inch 1600 cpi 9-track tape	
Opt. 0B0	Delete manuals	
Opt. 0CC	Revision upgrade for user not on support services. Requires prior purchase of 92455A.	
Opt. 0CG	Inter-processor transfer credit	
92439A	**Native Language I/O and Stick Kanji Font for Series 800**	
Opt. AA0	Software on ¼-inch cartridge tape	
Opt. AA1	Software on ½-inch 1600 cpi 9-track tape	
92439R	**Right-to-copy 92439A.** Requires prior or concurrent purchase of 92439A.	
Opt. 0B0	Delete manuals	
92433A	**Simplex Kanji Font for Series 800.** Requires current version of 92439A Native Language I/O.	
Opt. AA0	Software on ¼-inch cartridge tape	
Opt. AA1	Software on ½-inch 1600 cpi 9-track tape	
92433R	**Right-to-copy 92433A.** Requires prior or concurrent purchase of 92433A.	
Opt. 0B0	Delete manuals	

Model 850 HP-UX Languages

Product No./ Option No.	Description	Price
92465A	**Development Pack for Model 850.** Includes FORTRAN 77, Pascal, Starbase Graphics Library and DGL/AGP Graphics Library.	
Opt. AA0	Software on ¼-inch cartridge tape	
Opt. AA1	Software on ½-inch 1600 cpi 9-track tape	
Opt. 0C0	Return credit E/F Value Pack	
Opt. 0C1	Return credit A600 Value Pack	
Opt. 0C2	Return credit A700 Value Pack	
Opt. 0C3	Return credit A900 Value Pack	
Opt. 0C8	Return credit for Model 825 Development Pack (92447A)	
Opt. 0C9	Return credit for Model 840 Development Pack (92438A)	
Opt. 0CC	Revision upgrade for user not on support services. Requires previous purchase of 92465A.	
92461A	**FORTRAN 77/HP-UX Compiler for Model 850**	
Opt. AA0	Software on ¼-inch cartridge tape	
Opt. AA1	Software on ½-inch 1600 cpi 9-track tape	
Opt. 0C0	Return credit for E/F FORTRAN 77 (92836A)	
Opt. 0C1	Return credit for A600 FORTRAN 77 (92836A)	
Opt. 0C2	Return credit for A700 FORTRAN 77 (92836A)	
Opt. 0C3	Return credit for A900 FORTRAN 77 (92836A)	
Opt. 0C4	Return credit for E/F FORTRAN 4X (92834A)	
Opt. 0C8	Return credit for Models 825/835 FORTRAN (92443A)	
Opt. 0C9	Return credit for Model 840 FORTRAN (92430A)	
Opt. 0CA	Return credit from Series 500 Single-user FORTRAN 77 (97071A/C)	
Opt. 0CB	Return credit from Series 500 Multi-user FORTRAN 77 (97081A/C)	
Opt. 0CC	Revision upgrade for user not on support services. Requires previous purchase of 92461A.	

Product No./ Option No.	Description	Price
92461R	**Right-to-copy 92461A.** Requires prior or concurrent purchase of 92461A.	
Opt. 0B0	Delete manuals	
Opt. 0C0	Return credit for E/F FORTRAN 77 (92836R)	
Opt. 0C1	Return credit for A600 FORTRAN 77 (92836R)	
Opt. 0C2	Return credit for A700 FORTRAN 77 (92836R)	
Opt. 0C3	Return credit for A900 FORTRAN 77 (92836R)	
Opt. 0C4	Return credit for E/F FORTRAN 4X (92834R)	
Opt. 0C8	Return credit for Models 825/835 FORTRAN (92443R)	
Opt. 0C9	Return credit for Model 840 FORTRAN (92430R)	
Opt. 0CA	Return credit for Series 500 Single-user FORTRAN 77 (97071M/R)	
Opt. 0CB	Return credit for Series 500 Multi-user FORTRAN 77 (97081M/R)	
92462A	**Pascal/HP-UX Compiler for Model 850**	
Opt. AA0	Software on ¼-inch cartridge tape	
Opt. AA1	Software on ½-inch 1600 cpi 9-track tape	
Opt. 0C0	Return credit for E/F Pascal (92833A)	
Opt. 0C1	Return credit for A600 Pascal (92833A)	
Opt. 0C2	Return credit for A700 Pascal (92833A)	
Opt. 0C3	Return credit for A900 Pascal (92833A)	
Opt. 0C8	Return credit for Models 825/835 Pascal (92444A)	
Opt. 0C9	Return credit for Model 840 Pascal (92431A)	
Opt. 0CA	Return credit for Series 500 Single-user Pascal (97072A/C)	
Opt. 0CB	Return credit for Series 500 Multi-user Pascal (97082A/C)	
Opt. 0CC	Revision upgrade for user not on support services. Requires prior purchase of 92462A.	
92462R	**Right-to-copy 92462A.** Requires prior or concurrent purchase of 92462A.	
Opt. 0B0	Delete manuals	
Opt. 0C0	Return credit for E/F Pascal (92833R)	
Opt. 0C1	Return credit for A600 Pascal (92833R)	
Opt. 0C2	Return credit for A700 Pascal (92833R)	
Opt. 0C3	Return credit for A900 Pascal (92833R)	
Opt. 0C8	Return credit for Models 825/835 Pascal (92444R)	
Opt. 0C9	Return credit for Model 840 Pascal (92431R)	
Opt. 0CA	Return credit for Series 500 Single-user Pascal (97072M/R)	
Opt. 0CB	Return credit for Series 500 Multi-user Pascal (97082M/R)	
35330A*	**COBOL/HP-UX Developer Package for HP 9000 Model 850S.** Includes COBOL/HP-UX compiler, ANIMATOR debugging tool, FORMS-2 screen generator, COBOL/HP-UX run-time system, manual set.	
Opt. AA0	Software on ¼-inch cartridge tape	
Opt. AA1	Software on ½-inch 1600 cpi 9-track tape	
Opt. 0C7	Upgrade from HP 9000 Model 318, 319, 320, 330	
Opt. 0C8	Upgrade from HP 9000 Model 350, Model 825S or Model 835S	
Opt. 0C9	Upgrade from HP 9000 Model 835SE or Model 840S	
Opt. 222	Upgrade from COBOL/HP-UX compiler	
35331A*	**COBOL/HP-UX Run-time System for HP 9000 Model 850S.** Includes COBOL/HP-UX run-time system.	
Opt. AA0	Software on ¼-inch cartridge tape	
Opt. AA1	Software on ½-inch 1600 cpi 9-track tape	
Opt. 0C7	Upgrade from HP 9000 Model 318, 319, 320, 330	
Opt. 0C8	Upgrade from HP 9000 Model 350, Model 825S or Model 835S	
Opt. 0C9	Upgrade from HP 9000 Model 835SE or Model 840S. Requires prior purchase of 35327A.	
35337A*	**COBOL/HP-UX Compiler for HP 9000 Model 850S.** Includes COBOL/HP-UX compiler, COBOL/HP-UX run-time system, manual set	
Opt. AA0	Software on ¼-inch cartridge tape	
Opt. AA1	Software on ½-inch 1600 cpi 9-track tape	
Opt. 0C7	Upgrade from HP 9000 Model 318, 319, 320, 330	
Opt. 0C8	Upgrade from HP 9000 Model 350, Model 825S or Model 835S	
Opt. 0C9	Upgrade from HP 9000 Model 835SE or Model 840S. Requires prior purchase of 35336A.	

Product available on 1 June 1988.

Model 850 HP-UX Graphics Libraries

Product No./ Option No.	Description	Price
92463A Opt. AA0 Opt. AA1 Opt. 0C8 Opt. 0C9	**Starbase/HP-UX Graphics Library for Model 850** Software on ¼-inch cartridge tape Software on ½-inch 1600 cpi 9-track tape Return credit for Models 825/835 Starbase Graphics Library (92445A) Return credit for Model 840 Starbase Graphics Library (92436A)	
92463R Opt. 0B0 Opt. 0C8 Opt. 0C9	**Right-to-copy 92463A.** Requires prior or concurrent purchase of 92463A. Delete manuals Return credit for Models 825/835 Starbase Graphics Library (92445R) Return credit for Model 840 Starbase Graphics Library (92436R)	
92464A Opt. AA0 Opt. AA1 Opt. 0C0 Opt. 0C1 Opt. 0C2 Opt. 0C3 Opt. 0C4 Opt. 0C5 Opt. 0C6 Opt. 0C7 Opt. 0C8 Opt. 0C9 Opt. 0CA Opt. 0CB	**DGL/AGP/HP-UX Graphics Library for Model 850.** Includes 92463A Starbase/HP-UX Graphics Library. Software on ¼-inch cartridge tape Software on ½-inch 1600 cpi 9-track tape Return credit for E/F DGL (92861A) Return credit for A600 DGL (92861A) Return credit for A700 DGL (92861A) Return credit for A900 DGL (92861A) Return credit for E/F DGL + AGP (92861A + 92862A) Return credit for A600 DGL + AGP (92861A + 92862A) Return credit for A700 DGL + AGP (92861A + 92862A) Return credit for A900 DGL + AGP (92861A + 92862A) Return credit for Models 825/835 DGL/AGP (92446A) Return credit for Model 840 DGL/AGP (92436A) Return credit for Series 500 Single-user AGP (97075A/C) Return credit for Series 500 Multi-user DGL (97085A/C)	
92464R Opt. 0B0 Opt. 0C0 Opt. 0C1 Opt. 0C2 Opt. 0C3 Opt. 0C4 Opt. 0C5 Opt. 0C6 Opt. 0C7 Opt. 0C8 Opt. 0C9 Opt. 0CA Opt. 0CB	**Right-to-copy 92464A.** Requires prior or concurrent purchase of 92464A. Delete manuals Return credit for E/F DGL (92861R) Return credit for A600 DGL (92861R) Return credit for A700 DGL (92861R) Return credit for A900 DGL (92861R) Return credit for E/F DGL + AGP (92861R + 92862R) Return credit for A600 DGL + AGP (92861R + 92862R) Return credit for A700 DGL + AGP (92861R + 92862R) Return credit for A900 DGL + AGP (92861R + 92862R) Return credit for Models 825/835 DGL/AGP (92446R) Return credit for Model 840 DGL/AGP (92436R) Return credit for Series 500 Single-user AGP (97075M/R) Return credit for Series 500 Multi-user DGL (97085M/R)	
92529A Opt. AA0 Opt. AA1 Opt. 0CA	**HP GKS/HP-UX for Model 850.** Requires current version Starbase/HP-UX (92463A). Software on ¼-inch cartridge tape Software on ½-inch 1600 cpi 9-track tape Return credit for Series 500 GKS (98673A)	
92529R Opt. 0B0	**Right-to-copy 92529A.** Requires prior or concurrent purchase of 92529A. Delete manuals	
92532A Opt. AA0 Opt. AA1	**X Window System for Model 850** Software on ¼-inch cartridge tape Software on ½-inch 1600 cpi 9-track tape	
92532R Opt. 0B0	**Right-to-copy 92532A.** Requires prior or concurrent purchase of 92532A. Delete manuals	

Model 850 HP-UX Productivity Tools and Data Management Software

Product No./ Option No.	Description	Price
92468A	**ALLBASE/HP-UX and HP TODAY/HP-UX Developer Pack for Model 850.** Includes 92469A ALLBASE/HP-UX and 35307A HP TODAY/HP-UX Developer Pack.	
Opt. AA0	Software on ¼-inch cartridge tape	
Opt. AA1	Software on ½-inch 1600 cpi 9-track tape	
Opt. 0C0	Return credit for E/F IMAGE/1000-I (92069A)	
Opt. 0C1	Return credit for A600 IMAGE/1000-I (92069A)	
Opt. 0C2	Return credit for A700 IMAGE/1000-I (92069A)	
Opt. 0C3	Return credit for A900 IMAGE/1000-I (92069A)	
Opt. 0C4	Return credit for E/F IMAGE/1000-II (92081A)	
Opt. 0C5	Return credit for A600 IMAGE/1000-II (92081A)	
Opt. 0C6	Return credit for A700 IMAGE/1000-II (92081A)	
Opt. 0C7	Return credit for A900 IMAGE/1000-II (92081A)	
Opt. 0C8	Return credit of Models 825/835 ALLBASE and HP TODAY (92459A)	
Opt. 0C9	Return credit of Model 840 ALLBASE and HP TODAY (92442A)	
Opt. 0CA	Return credit for Series 500 Single-user IMAGE (97073A/C)	
Opt. 0CB	Return credit for Series 500 Multi-user IMAGE (97083A/C)	
Opt. 0CC	Revision upgrade for user not on support services. Requires prior purchase of 92468A.	
92469A	**ALLBASE/HP-UX for Model 850**	
Opt. AA0	Software on ¼-inch cartridge tape	
Opt. AA1	Software on ½-inch 1600 cpi 9-track tape	
Opt. 0C0	Return credit for E/F IMAGE/1000-I (92069A)	
Opt. 0C1	Return credit for A600 IMAGE/1000-I (92069A)	
Opt. 0C2	Return credit for A700 IMAGE/1000-I (92069A)	
Opt. 0C3	Return credit for A900 IMAGE/1000-I (92069A)	
Opt. 0C4	Return credit for E/F IMAGE/1000-II (92081A)	
Opt. 0C5	Return credit for A600 IMAGE/1000-II (92081A)	
Opt. 0C6	Return credit for A700 IMAGE/1000-II (92081A)	
Opt. 0C7	Return credit for A900 IMAGE/1000-II (92081A)	
Opt. 0C8	Return credit of Models 825/835 ALLBASE (92460A)	
Opt. 0C9	Return credit of Model 840 ALLBASE (36217A)	
Opt. 0CA	Return credit for Series 500 Single-user IMAGE (97073A/C)	
Opt. 0CB	Return credit for Series 500 Multi-user IMAGE (97083A/C)	
Opt. 0CC	Revision upgrade for user not on support services. Requires prior purchase of 92469A.	
92469R	**Right-to-copy 92469A.** Requires prior or concurrent purchase of 92469A.	
Opt. 0B0	Delete manuals	
Opt. 0C0	Return credit for E/F IMAGE/1000-I (92069R)	
Opt. 0C1	Return credit for A600 IMAGE/1000-I (92069R)	
Opt. 0C2	Return credit for A700 IMAGE/1000-I (92069R)	
Opt. 0C3	Return credit for A900 IMAGE/1000-I (92069R)	
Opt. 0C4	Return credit for E/F IMAGE/1000-II (92081R)	
Opt. 0C5	Return credit for A600 IMAGE/1000-II (92081R)	
Opt. 0C6	Return credit for A700 IMAGE/1000-II (92081R)	
Opt. 0C7	Return credit for A900 IMAGE/1000-II (92081R)	
Opt. 0C8	Return credit of Models 825/835 ALLBASE (92460R)	
Opt. 0C9	Return credit of Model 840 ALLBASE (36217R)	
Opt. 0CA	Return credit for Series 500 Single-user IMAGE (97073M/R)	
Opt. 0CB	Return credit for Series 500 Multi-user IMAGE (97083M/R)	
92535A	**HP Visor/HP-UX for Model 850**	
Opt. AA0	Software on ¼-inch cartridge tape	
Opt. AA1	Software on ½-inch 1600 cpi 9-track tape	
Opt. 0C8	Return credit of Models 825/835 Visor (92533A)	
Opt. 0C9	Return credit of Model 840 Visor (92534A)	
Opt. 0CC	Revision upgrade for user not on support services. Requires prior purchase of 92535A.	
92535R	**Right-to-copy 92535A.** Requires prior or concurrent purchase of 92535A.	
Opt. 0B0	Delete manuals	
Opt. 0C8	Return credit of Models 825/835 Visor (92533R)	
Opt. 0C9	Return credit of Model 840 Visor (92534R)	
35307A	**HP TODAY/HP-UX Developer Pack for Model 850**	
Opt. AA0	Software on ¼-inch cartridge tape	
Opt. AA1	Software on ½-inch 1600 cpi 9-track tape	
Opt. 0C8	Return credit for Models 825/835 HP TODAY (35305A)	
Opt. 0C9	Return credit for Model 840 HP TODAY (92440A)	
35307R	**Right-to-copy 35307A.** Requires prior or concurrent purchase of 35307A.	
35308A	**HP TODAY/HP-UX run-time Environment for Model 850**	
Opt. AA0	Software on ¼-inch cartridge tape	
Opt. AA1	Software on ½-inch 1600 cpi 9-track tape	
Opt. 0C8	Return credit for Models 825/835 HP TODAY (35306A)	
Opt. 0C9	Return credit for Model 840 HP TODAY (92441A)	

Model 850 HP-UX Networking

Product No./ Option No.	Description	Price
91788A Opt. AA1 Opt. 740 Opt. 811 Opt. 841 Opt. 0C8 Opt. 0C9	**LAN/9000 Series 800 Link for Model 850.** Includes LANIC, ThinMAU with "T" connector, ¼-inch cartridge tape, IEEE 802 card connector cable. Replace ¼-inch cartridge tape media with 1600 cpi 9-track tape Replace ThinMAU with ThickMAU and AUI cable Replace IEEE 802.3 ThinMAU with Ethernet Rev.1-based card connector cable Delete ThinMAU and "T" connector Return credit for LAN/9000 Series 800 Link (Models 825/835) Return credit for LAN/9000 Series 800 Link (Model 840)	
91789A Opt. AA1 Opt. 0CA Opt. 0C8 Opt. 0C9	**NS/9000 for Model 850.** Requires 91788A LAN/9000 Series 800. Includes software on ¼-inch cartridge tape. Replace ¼-inch cartridge tape with ½-inch 1600 cpi 9-track tape Return credit NS/9000 Series 500 (50953A or 50954A) Return credit NS/9000 Models 825/835 (91787A) Return credit NS/9000 Model 840 (98195A)	
91789R Opt. 0CA Opt. 0C8 Opt. 0C9	**Right-to-copy 91789A.** Requires prior or concurrent purchase of 91789A. Return credit NS/9000 Series 500 (50953R or 50954R) Return credit NS/9000 Models 825/835 (91787R) Return credit NS/9000 Model 840 (98195R)	
98195K Opt. 0B0	**NS/9000 Manual Kit for Series 800** Delete manuals	
50982A Opt. AA0 Opt. AA1 Opt. 0CA Opt. 0C8 Opt. 0C9	**ARPA Services/800 for Model 850.** Requires 91788A LAN/9000 Series 800. Software on ¼-inch cartridge tape Software on ½-inch 1600 cpi 9-track tape Return credit NS/9000 Series 500 (50953A or 50954A) Return credit ARPA Services Models 825/835 (50981A) Return credit ARPA Services Model 840 (50980A)	
50982R Opt. 0CA Opt. 0C8 Opt. 0C9	**Right-to-copy 50982A.** Requires prior or concurrent purchase of 50982A. Return credit NS/9000 Series 500 (50953R or 50954R) Return credit ARPA Services Models 825/835 (50981R) Return credit ARPA Services Model 840 (50980R)	
50980K	**ARPA Services Manual Kit for Series 800**	
50972A Opt. AA0 Opt. AA1 Opt. 0C8 Opt. 0C9	**NFS Services/800 for Model 850.** Requires 91788A LAN/9000 Series 800. Software on ¼-inch cartridge tape Software on ½-inch 1600 cpi 9-track tape Return credit NFS Services for Models 825/835 (50970A) Return credit NFS Services for Model 840 (50971A)	
50972R Opt. 0B0 Opt. 0C8 Opt. 0C9	**Right-to-copy 50972A.** Requires prior or concurrent purchase of 50972A. Includes documentation. Delete manuals Return credit NFS Services for Models 825/835 (50970R) Return credit NFS Services for Model 840 (50971R)	
36919A Opt. AA0 Opt. AA1	**HP-UX Gateway SNA/3270 for Model 850.** Requires purchase of 91788A LAN/9000 Series 800 and 91789A NS/9000, and access to 36593A HP-UX Gateway/SNA Link Series 300. Software on ¼-inch cartridge tape Software on ½-inch 1600 cpi 9-track tape	
36919R	**Right-to-Copy 36919A.** Requires prior or concurrent purchase of 36919A.	
98187A Opt. AA0 Opt. AA1	**HP-UX Gateway SNA/3770 for Model 850.** Requires purchase of 91789A NS/9000 and 91788A LAN/9000 Series 800, and access to 36543A HP-UX Gateway/SNA Link Series 300. Software on ¼-inch cartridge tape Software on ½-inch 1600 cpi 9-track tape	
98187R	**Right-to-copy 98187A.** Requires prior or concurrent purchase of 98187A.	
50950A Opt. 044 Opt. 200 Opt. 300 Opt. 400	**NS for the DEC VAX Computer software** For HP 9000 to DEC MicroVAX communications. Software on 5¼-inch flexible (RX50). For HP 9000 to DEC MicroVAX communications. Software on TK50 cassette tape. For HP 9000 to DEC 11/725-85X0 communications. Software on 9-track tape. For HP 9000 to DEC 8600-89X0 communications. Software on 9-track tape.	
50950R Opt. 044 Opt. 200 Opt. 300 Opt. 400	**Right-to-reproduce NS for the DEC VAX Computer software.** Requires prior or concurrent purchase of 50950A. For HP 9000 to DEC MicroVAX communications. Software on 5¼-inch flexible (RX50). For HP 9000 to DEC MicroVAX communications. Software on TK50 cassette tape. For HP 9000 to DEC 11/725-85X0 coummunications. Software on 9-track tape. For HP 9000 to DEC 8600-89X0 communications. Software on 9-track tape.	

Note: See page 27 for Series 800 LAN Cabling Products.

Additional I/O Cards, Cable Management Accessories

Product No./ Option No.	Description	Price
27110B Opt. 0B0 Opt. 800	**HP-IB Interface card (channel) and 2.0m HP-IB cable.** Opt. 800 is required. Delete manual Substitute cable for use with Series 800	
10833A	**1.0m HP-IB cable**	
10833B	**2.0m HP-IB cable**	
10833C	**4.0m HP-IB cable**	
10833D	**0.5m HP-IB cable**	
26075A	**HP-IB Switch**	
30070-00043	**Cable joining plate**	
8120-3448	**6.0m HP-IB cable**	
8120-3449	**8.0m HP-IB cable**	
82977A	**1.0m right-angle HP-IB cable**	
82977B	**2.0m right-angle HP-IB cable**	
92220R	**0.5m right-angle HP-IB cable**	
27114A Opt. 0B0 Opt. 002 Opt. 003	**Parallel Asynchronous FIFO Interface** Delete 27114-90001 manual Add 27114-60002 loopback hood Substitute single-ended cable for differential	
27116A	**HP-CIO Service Extender card**	
98196A Opt. 0B0 Opt. 001 Opt. 019 Opt. 550	**Asynchronous 6-channel CIO Multiplexer/800** Delete Manual Add 28569-63004 10.0m panel extension cable Add 5061-4962 19-inch EIA panel rackmount adaptor Add 5001-5280 panel mounting bracket (for 92211R Mini-Rack)	
27140-60003	**Test Hood**	
92219Q	**1.0m DCE (port)-to-DTE cable**	

Series 800 LAN Cabling Products

Note: For a complete description of these products, see the
Hewlett-Packard Computer User's Catalog.

ThinLAN Components

Product No./ Option No.	Description	Price
28645A	**ThinLAN HUB** provides four ThinLAN ports and one AUI port (ThickLAN connection)	
	LAN Cables and Accessories For connecting to ThinLAN. ThinLAN coax cable (with BNC connectors installed):	
92227A	1m coax cable	
92227B	2m coax cable	
92227C	4m coax cable	
92227D	8m coax cable	
92227E	16m coax cable	
92227F	32m coax cable	
92227G	64m coax cable	
92227H	128m coax cable	
	ThinLAN coax cable (without connectors):	
92227J	Cut-to-length, PVC (cost per meter)	
92227K	Cut-to-length, PVC (cost per meter)	

ThinLAN Components (cont'd)

Product No./ Option No.	Description	Price
	ThinLAN Accessories	
92227L	BNC Connector Pair for 92227J/K	
92227M	BNC Tool Kit for 92227J/K	
92227N	BNC "T" Connector	
92227P	ThinLAN Terminator Pair	
28641A	ThinMAU Includes 1 meter AUI cable and BNC "T" Connector	

ThickLAN Components

Product No./ Option No.	Description	Price
	For connecting to Backbone ThickLAN:	
30241A	ThickLAN Medium Attachment Unit and Tap	
92256C	LAN MAU and Installation Kit (order once)	
92254A	6m FEP Attachment Unit Interface cable	
92254B	12m FEP AUI cable	
92254C	24m FEP AUI cable	
92254D	48m FEP AUI cable	
92254E	6m PVC AUI cable	
92254F	12m PVC AUI cable	
92254G	24m PVC AUI cable	
92254H	48m PVC AUI cable	
	Backbone LAN AUI Cables *(without connectors attached)* **and Tools:**	
92255A	FEP Cut-to-length AUI Cable (cost per meter)	
92255B	PVC Cut-to-length AUI Cable (cost per meter)	
92255C	LAN AUI Connector Pair (order for each 92255A/B connection)	
92229B	Crimp tool for backbone coax and AUI cable	
	Backbone LAN Coax Cable *(including connectors and terminators):*	
92253A	23m FEP without connectors attached	
92253B	23m FEP with connectors attached	
92253C	117m FEP without connectors attached	
92253D	500m FEP without connectors attached	
92253E	23m PVC without connectors attached	
92253F	23m PVC with connectors attached	
92253G	117m PVC without connectors attached	
92253H	500m PVC without connectors attached	
92253J	N-connectors, male, package of four	
92253K	Barrel N-connectors, female, and insulators, package of two	
92253L	One grounding terminator and one floating point terminator with insulator	
	Backbone LAN Coax Cable Tools for attaching connectors *(order once):*	
92256A	LAN Coax Installation Tool Kit. Requires 92229B.	
92256C	LAN MAU and Tap Tool Kit. Includes coring tool, allen wrench and nut driver.	
92256D	AUI Wallplate. Requires AUI connectors.	
92256E	LAN Surge Protector and wall mounting plate	
92257B	LAN Loopback Hood	
	Backbone LAN Repeater Kits:	
92223A	Repeater Kit	
92223C	20m Repeater FEP AUI Cable for use with 92223A	

Disc Drives

Product No./ Option No.	Description	Price
7935H*	404 Mbyte CS/80 Disc Drive (removable)	
7936H	307 Mbyte CS/80 Disc Drive (fixed)	
7937H	571 Mbyte CS/80 Disc Drive (fixed)	
7957A†	81 Mbyte CS/80 Disc Drive (fixed)	
7958A	130 Mbyte CS/80 Disc Drive (fixed)	
7933HR‡	404 Mbyte CS/80 Disc Drive (fixed)	
7935HR‡	404 Mbyte CS/80 Disc Drive (removable)	

* *New product available from Finance Remarketing Division.*   ‡ *"HR" products are remarketed products available from Finance Remarketing Division.*
† *These discs have insufficient capacity and/or performance for use as a system disc. They are usable as secondary mounted volumes.*

Magnetic Tape Drives

Product No./ Option No.	Description	Price
7974A Opt. 800	½-inch 1600 cpi Tape Drive. 100 ips streaming; 50 ips start/stop. Add 800 cpi NRZI capability	
7978B	½-inch 6250/1600 cpi Tape Drive. 75 ips streaming.	
7979A Opt. 133 Opt. 135 Opt. 137	½-inch 1600 cpi Tape Drive. 125 ips streaming. Add-on drive for installation below existing 7979A or 7980A Rack-mount drive for standard 19-inch cabinet Allows installation of 7936/37 disc below tape. Requires 19521A rack mount kit. Disc ordered separately.	
7980A Opt. 133 Opt. 135 Opt. 137	½-inch 6250/1600 cpi Tape Drive. 125 ips streaming. Add-on drive for installation below existing 7979A or 7980A Rack-mount drive for standard 19-inch cabinet Allows installation of 7936/37 disc below tape. Requires 19521A rack mount kit. Disc ordered separately.	
9144A	16 or 67 Mbyte ¼-inch CS/80 Cartridge Tape Drive. Requires 88500 interface card.	
35401A	67 to 536 Mbyte ¼-inch CS/80 Cartridge Tape Autochanger	
92192C	Cartridge Magazine. Unloaded. One included with 35401A.	

Key: ips = inches per second   cpi = characters per inch

Asynchronous Data Communication Devices

Product No./ Option No.	Description	Price
37212A	300/1200-baud Intelligent Modem	
92205A	Hayes Smartmodem™ 1200 (U.S.)	
92205C	Hayes Smartmodem™ 1200 (Canada)	
2334A Opt. 100 Opt. 123 Opt. X25	X.25 Multiplexer HP Installation and Configuration 4-port Modem-connect Card X.25 Manual. Required for first 2334A.	

Smartmodem 1200 and Smartmodem 2400 are trademarks of Hayes Microcomputer Products, Inc.

Terminals

Product No./ Option No.	Description	Price
2393A Opt. 301	12-inch Monochrome Graphics Terminal Add 40242M U.S. Modem cable	
2397A Opt. 301	12-inch Color Graphics Terminal with 35741A Monitor Add 40242M U.S. Modem cable	
45711A	*Portable Plus* PC with 300/1200 bps modem	
45711B	*Portable Plus* PC without 82983A modem	

Product No./ Option No.	Description	Price
82863K Opt. 400	**Reflection 1 Terminal Emulation Software** Software supplied in ROM. Requires 82982A.	
82982A	**Software Drawer**	
92221M	**1.5m DTE (male) cable, for built-in RS-232C interface**	
45850A	**HP 150-II PC/Terminal (*Touchscreen II* Terminal)**	
45610B	***Touchscreen* Terminal**	
13242N	**5m male-to-male DTE cable**	
72425A	***Vectra* Model 25 Personal Computer.** Requires 35731A or 35741A monitor.	
72435A	***Vectra* Model 35 Personal Computer.** Requires 35731A or 35741A monitor.	
72445A	***Vectra* Model 45 Personal Computer.** Requires 35731A or 35741A monitor.	
24542H	**3m male-to-male DTE cable, for 24540A**	
24540A	**Serial/Parallel Interface**	
13242N	**5m male-to-male DTE cable, for 24541A**	
24541A	**Dual RS-232C Interface**	
24550A	***Vectra* Internal 300/1200 bps modem**	
68333F	**AdvanceLink/23924 emulator software**	
9807A	***Integral* Personal Computer**	
82815J	**Datacomm Software,** for terminal emulation	
82919A	**RS-232C Serial Interface**	
82974A	**DTE cable for 82919A.** Series 200/300 2392A Terminal Emulation (requires any Series 300 computer with 46084A ID module, or any Model 216, 217, 220, 236 or 237 computer with ID PROM. Models 220, 236 and 237 also require a 98626A, 98628A or 98644A RS-232C interface).	
98791B Opt. 042 Opt. 044	**2392A Terminal Emulator Software** Software on 5¼-inch flexible discs Software on 3½-inch microfloppy discs	
98561A	**Model 310 System Processor Unit.** Requires 35731A, 35741A, 98751A, or 98752A monitor.	
98561B	**Model 320 System Processor Unit.** Requires 35731A, 35741A, 98751A, or 98752A monitor.	
98562A	**Model 330 System Processor Unit.** Requires 35731A, 35741A, 98751A, or 98752A monitor.	
98562B	**Model 350 System Processor Unit.** Requires 35731A, 35741A, 98751A, or 98752A monitor.	
C1001A C1001G C1001W	**HP 700/92 Block-mode Display Terminal,** 14-inch screen, 8 pages memory, printer port, 80/132 column. HP 700/92; amber screen HP 700/92; green screen HP 700/92; soft white screen	
C1002A C1002G C1002W	**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. HP 700/94; amber screen HP 700/94; green screen HP 700/94; soft white screen	
C1003A C1003G	**HP 700/41 Entry-level ASCII Terminal,** 14-inch screen, 1 page memory, printer port, 80 column, 9 ASCII terminal compatibility modes. HP 700/41; amber screen HP 700/41; green screen	
C1004A C1004G C1004W	**HP 700/22 ANSI DEC VT220-compatible Terminal,** 14-inch screen, 4 pages memory, 80/132 column. HP 700/22; amber screen HP 700/22; green screen HP 700/22; soft white screen	
C1006A C1006G C1006W	**HP 700/43 Fully Featured ASCII Terminal,** 14-inch screen, 4 pages memory, printer port, 80/132 column, 12 ASCII terminal compatibility modes. HP 700/43; amber screen HP 700/43; green screen HP 700/43; soft white screen	

Printers

Product No./ Option No.	Description	Price
3630A Opt. 001	*HP PaintJet* **color graphics printer** RS-232C interface	
2563B Opt. 049 Opt. 114 Opt. 290	**300 lpm impact line printer.** 55 dBA complete with quietized cabinet, sound enclosure and passive paper stacker. RS-232C interface in printer Delete quietized cabinet, passive stacker, and sound enclosure HP 9000 HP-IB interface and 4m cable	
2564B Opt. 049 Opt. 114 Opt. 290	**600 lpm impact line printer.** 55 dBA complete with quietized cabinet, sound enclosure, and passive paper stacker. RS-232C interface in printer Delete quietized cabinet, passive stacker and sound enclosure, and adds a non-quietized cabinet HP 9000 HP-IB interface and 4m cable	
2566B Opt. 049 Opt. 115 Opt. 290 Opt. 500	**900 lpm dot matrix impact printer** RS-232C interface in printer Passive paper stacker HP-IB interface in printer, configured for CIPER (HP-UX) Options bundle, includes Opts. 004, 005, 115	
2567B Opt. 049 Opt. 115 Opt. 290 Opt. 500	**1200 lpm dot matrix impact printer.** Opt. 049 or 290 is required. RS-232C interface in printer Passive paper stacker HP-IB interface in printer, configured for CIPER (HP-UX) Options bundle, includes Opts. 004, 005, 115	
2684A	*LaserJet 2000* **20 ppm printer.** I/O and installation not included.	
2684D	*LaserJet 2000* **printer with duplex and paper deck.** I/O and installation not included.	
2684P	*LaserJet 2000* **printer with paper deck.** I/O and installation not included.	
26842A	*LaserJet 2000* **paper deck upgrade kit.** Installation not included.	
26843A	*LaserJet 2000* **RS-232C/422 serial interface kit.** Installation not included.	
26843B	*LaserJet 2000* **centronics parallel interface kit.** Installation not included.	
26843C	*LaserJet 2000* **dataproducts short line interface kit.** Installation not included.	
26843D	*LaserJet 2000* **dataproducts long line interface kit.** Installation not included.	
26845A	*LaserJet 2000* **1 Mbyte memory expansion kit.** Installation not included.	
33440A	*LaserJet Series II* **printer**	
33443A	**1 Mbyte Memory Board for** *LaserJet Series II* **printer**	
33444A	**2 Mbyte Memory Board for** *LaserJet Series II* **printer**	
33445A	**4 Mbyte Memory Board for** *LaserJet Series II* **printer**	
2932A Opt. 046	**200 cps dot matrix impact printer** (RS-232C) Substitute HP-IB interface	
2934A Opt. 046	**200 cps dot matrix impact office printer** (RS-232C) Substitute HP-IB interface	
92214P	*Design Plus* **printer stand for 2930-series printers**	
2225D	*ThinkJet* **printer** (RS-232C)	
2227A	*QuietJet PLUS* **printer** (RS-232C)	
2228A	*QuietJet* **printer** (RS-232C)	

Key: lpm = lines per minute   ppm = pages per minute

Graphics Devices

Product No./ Option No.	Description	Price
3630A Opt. 001	*HP PaintJet* **color graphics printer** RS-232C interface	
7440A	*ColorPro* **A-size, 8-pen Plotter**	
Opt. 001	RS-232C interface	
Opt. 002	HP-IB interface	
92177W	**ColorPro Graphics Organizer**	
7475A Opt. 001 Opt. 002	**A...B-size, 6-pen plotter** RS-232C interface HP-IB interface	
92177X	**7475A Graphics Organizer**	
7550A	**A...B-size, 8-pen plotter, sheet-feed** (comes with RS-232C and HP-IB interfaces standard)	
7570A	*DraftPro* **C...D-size, 8-pen plotter** (comes with RS-232C interface standard)	
17570A	**HP-IB Cartridge for 7570A** *DraftPro* **plotter**	
17520A	*DraftMaster I* **Roll-feed Upgrade Kit** (for upgrading *DraftMaster I* to *DraftMaster II*)	
17525A	**B-size Media Handling Kit**	
17526A	**A3-size Media Handling Kit**	
7595A	*DraftMaster I* **A...E-size, 8-pen plotter** (comes with RS-232C and HP-IB interfaces standard)	
7596A	*DraftMaster II* **A...E-size, 8-pen roll-feed plotter** (comes with RS-232C and HP-IB interfaces standard)	

Human Interface Accessories

The HP-HIL devices listed are for use with Series 800 Graphics Subsystem and the following terminals and PC/terminal emulators: 2393A, 2397A, HP 150-II, Vectra, Integral, Series 800 Model 825SRX, Series 300 and some Series 200. Consult configuration data for the terminal or PC before ordering.

Product No./ Option No.	Description	Price
	Graphics Input/Picking Devices	
35723A	HP-HIL HP-Touch Bezel for 35731/41 12-inch monitors	
46021A	HP-HIL Keyboard	
46060A	HP-HIL Mouse, 2-button	
46060B	HP-HIL Mouse, 3-button	
46095A	Mouse, 3-button; requires 46094A	
46094A	HP-HIL Quadrature Port	
46083A	HP-HIL Rotary Control Knob	
	Digitizers and Tablets	
46087B	HP-HIL A-size Digitizer	
46088B	HP-HIL B-size Digitizer	
46089B	4-button Cursor for 46087/88A	
	Bar Code Readers	
92915A	Bar Code Reader for 2392A, 2394A	
92916A	HP-HIL Bar Code Reader	
	HP-HIL Extensions	
46080A	2m Extension (no audio)	
46081A	2m Extension (with audio)	
46082A	15m and RGB Coax Extension (with audio)	
46082B	30m and RGB Coax Extension (with audio)	
	Software ID Module	
46084A	HP-HIL ID Module	
46085A	HP-HIL Control Dial Module	
46086A	HP-HIL 32-button Box	

Furniture and Media

Consult the Computer Users Catalog HP Pub. No. 5953-2450D,
for a complete listing of computer supplies.

Product No./ Option No.	Description	Price
88140LC	600-ft. (67 Mbyte) ¼-inch Data Cartridges, box of five	
88140SC	150-ft. (16 Mbyte) ¼-inch Data Cartridges, box of five	
92150D	600-ft. ½-inch Magnetic Tape Reels, box of ten	
92150E	1200-ft. ½-inch Magnetic Tape Reels, box of ten	
92150F	2400-ft. ½-inch Tape Reels, in seals, box of ten	
92190A	5¼-inch Double-sided Flexible Discs, box of ten	
92192A	3½-inch Double-sided Microfloppy Discs, box of ten	
92211R	Design-Plus Mobile Mini-rack	
92211S	Four rail sets and 10 module locks for 92211R	
92211T	20 Filler Panels for 92211R	
29431G	56-inch Steel Cabinet	
92211L	20.6-inch Taboret Cabinet	

HP 9000 Hardware Support Services

Overview

Maintenance agreements are available for most HP computer system products and provide priority service at a fixed, budgetable cost. These services are offered during production of the product and for a standard support life after discontinuance.

In the following section, you will find these services listed alongside Series 800 products, *in the same categories and order* (minus complete descriptions) as in the preceding section.

The prices listed in this section for "on-site" services are the rates for the minimum coverage period within HP Zone 1-3. Zone 1-3 is typically the area within a 100 mile radius of the supporting service office. Rates are slightly higher for extended coverage hours, more distant zones and/or unusual geographic conditions.

Summary of Hardware Support Services

Service Type	Place of Service	Coverage Period		Response Time
Standard (SMMC)	Customer Site	5 – 7 Days[†]	8 am – 9 pm[*]	4 Hours
Basic (BMMC)	Customer Site	5 Days	8 am – 5 pm[*]	Next Day
Next Day (PMMC)	Customer Site	5 Days[†]	8 am – 5 pm	Next Day
Priority (WMMC)	Customer Site	5 Days	8 am – 5 pm	4 Hours
Scheduled On Site[‡]	Customer Site	5 Days	8 am – 5 pm	Scheduled Weekly
Customer Return (FMMC)	HP Facility			3 Days In-house

[*] *Coverage can be extended up to 24 hours per day*
[†] *Extended coverage available up to 7 days per week.*
[‡] *25 or more units under contract.*

In addition to the pre-paid support services listed above, HP also offers per-incident service at a Standard Repair (STREP) charge or a Time and Materials rate for all products with the exception of Series 800 Bundled Systems. STREP is available only at HP Customer Service Centers.

Series 800 Multi-user Computer Systems		Return to HP	On-Site Service					
Product No.	Description	FMMC	PMMC	Sched.	WMMC	BMMC	SMMC
A1004A	**Model 825S Computer System**						
Opt. 001	Additional 2 Mbyte RAM board						
Opt. 002	Additional 8 Mbyte RAM board						
Opt. 0E1	Add powerfail battery backup system						
Opt. 003	Expander and CIO channel adapter						
Opt. 515	Delete standard 8 Mbytes; add 16 Mbyte board						
Opt. 516	Additional 16 Mbytes; add 16 Mbyte board						
Opt. 531	Delete standard 8 Mbytes; add 32 Mbytes						
A1035A	**Model 835S Multi-user Computer System**						
Opt. 0E1	Add powerfail battery backup system						
Opt. 002	Additional 8 Mbyte RAM board						
Opt. 515	Delete standard 8 Mbytes RAM memory; add 16 Mbyte RAM memory board						
Opt. 516	Add 16 Mbyte RAM board						
Opt. 531	Delete standard 8 Mbytes RAM memory; add 32 Mbytes (two 16 Mbyte memory boards)						
A1040A	**Model 835SE Multi-user Computer System**						
Opt. 002	Additional 8 Mbyte RAM board						
Opt. 515	Delete standard 24 Mbytes RAM memory; add 32 Mbyte RAM memory board						
Opt. 516	Add 16 Mbyte RAM board						
9741A	**Model 840 Computer System**						
Opt. 508	Add 8 Mbytes ECC RAM						
Opt. 531	Delete standard 8 Mbytes RAM memory; add 32 Mbytes memory (two 16 Mbyte RAM memory boards)						
Opt. 532	Add 32 Mbytes ECC RAM						
Opt. 601	Add CIO Adapter, 16-slot CIO Expansion Bay and Cabinet						
9742A	**Model 850S Computer System**						
Opt. 516	Add 16 Mbyte RAM board						
Opt. 601	Add CIO terminal expander						
Opt. 602	Add expansion module kit						
Opt. 603	Add add-on expander						
Opt. 828	Add floating point upgrade						
A1005A	**Model 825SRX Solid Rendering Superworkstation**						
Opt. 001	Additional 2 Mbyte ECC RAM board						
Opt. 002	Additional 8 Mbyte RAM						
Opt. 003	Add ThinMAU						
Opt. 004	Add ThickMAU						
Opt. 016	Add one 8-plane frame buffer						
Opt. 024	Add two 8-plane frame buffers						
Opt. 032	Add three 8-plane frame buffers						
Opt. 0E1	Add powerfail battery backup system						
Opt. 515	Add 16 Mbytes RAM; delete 8 Mbytes, for total of 16 Mbytes RAM						
Opt. 516	Add 16 Mbytes RAM, for total of 24 Mbytes RAM						
Opt. 531	Add 32 Mbytes RAM; delete 8 Mbytes, for total of 32 Mbytes RAM						
A1008A	**Model 825CHX 2D Graphics Superworkstation**						
Opt. 002	Additional 8 Mbytes RAM board						
Opt. 003	Add ThinMAU						
Opt. 004	Add ThickMAU						
Opt. 005	Delete Integer Graphics Accelerator						
Opt. 006	Add 19-inch Subsystem						
Opt. 007	Add 16-inch Subsystem						
Opt. 515	Add 16 Mbytes RAM, delete 8 Mbytes, for total of 16 Mbytes RAM						
Opt. 516	Add 16 Mbytes RAM, for total of 24 Mbytes RAM						
Opt. 531	Add 32 Mbytes RAM, delete 8 Mbytes, for total of 32 Mbytes RAM						
Opt. 716	Substitute 16-inch monitor for 19-inch monitor						
Opt. 0E1	Add powerfail battery backup system						

Product No.	Description	Return to HP FMMC	On-Site Service PMMC	Sched.	WMMC	BMMC	SMMC
A1055A	**Model 835 TurboSRX Solid Rendering Superworkstation**						
Opt. 002	Additional 8 Mbytes RAM board						
Opt. 003	Add ThinMAU						
Opt. 004	Add ThickMAU						
Opt. 416	Add one frame buffer card for a total of 16 planes						
Opt. 424	Add two frame buffer cards for a total of 24 planes						
Opt. 515	Delete standard 8 Mbytes RAM memory; add 16 Mbyte RAM memory board						
Opt. 516	Add 16 Mbyte RAM board						
Opt. 531	Delete standard 8 Mbytes RAM memory; add 32 Mbytes (two 16 Mbyte RAM memory boards)						
Opt. 608	Add three accelerators for 3D solid rendering and a full 16-bit Z-buffer						
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						
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						
Opt. 0E1	Powerfail battery backup system						
A1045A	**Model 835SRX Solid Rendering Superworkstation**						
Opt. 002	Additional 8 Mbyte RAM board						
Opt. 003	Add ThinMAU						
Opt. 004	Add ThickMAU						
Opt. 016	Add one 8-plane frame buffer						
Opt. 024	Add two 8-plane frame buffers						
Opt. 032	Add three 8-plane frame buffers						
Opt. 515	Delete standard 8 Mbytes RAM memory; add 16 Mbyte RAM memory board						
Opt. 516	Add 16 Mbyte RAM board						
Opt. 531	Delete standard 8 Mbytes RAM memory; add 32 Mbytes (two 16 Mbyte RAM memory boards)						
Opt. 0E1	Powerfail battery backup system						
A1050A	**Model 835CHX 2D Graphics Superworkstation**						
Opt. 002	Additional 8 Mbytes RAM board						
Opt. 003	Add ThinMAU						
Opt. 004	Add ThickMAU						
Opt. 005	Delete Integer Graphics Accelerator						
Opt. 006	Add 19-inch Subsystem						
Opt. 007	Add 16-inch Subsystem						
Opt. 515	Delete standard 8 Mbytes RAM memory; add 16 Mbyte RAM memory board						
Opt. 516	Add 16 Mbyte RAM board						
Opt. 531	Delete standard 8 Mbytes RAM memory; add 32 Mbytes (two 16 Mbyte RAM memory boards)						
Opt. 716	Substitute 16-inch monitor for 19-inch display						
Opt. 0E1	Add powerfail battery backup system						

Series 800 System Upgrades		Return to HP FMMC	On-Site Service PMMC	Sched.	WMMC	BMMC	SMMC
Product No.	Description	FMMC	PMMC	Sched.	WMMC	BMMC	SMMC
A1036A	**Model 825 to 835 CPU Upgrade**						
A1038A	**Model 825S to 835SE Multi-user Computer System Upgrade**						
A1039A	**Model 835S to 835SE Multi-user Computer System Upgrade**						

Graphics Subsystems/Upgrades		Return to HP	On-Site Service					
Product No.	Description	FMMC	PMMC	Sched.	WMMC	BMMC	SMMC
98556A	2D Integer-based Graphics Accelerator						
A1017A	Series 800 Display Controller Interface						
A1020A	Series 800 2D Graphics Processor						
A1020H	High-resolution 2D Graphics Subsystem						
98720A Opt. 721 Opt. 722 Opt. 723	Display Controller Add Graphics Accelerator Add eight planes frame buffer memory Additional power supply						
98721A	Graphics Accelerator						
98722A	Frame Buffer Board						
98723A	Additional power supply						
98730A Opt. 016 Opt. 024 Opt. 060 Opt. 123	TurboSRX Display Controller Add one frame buffer card Add two frame buffer cards Add three 3D graphics accelerators and 16-bit Z-buffer Delete second power supply						
98732A	TurboSRX Graphics Accelerator						
98734A	Upgrade to TurboSRX from 8-plane Series 800SRX						
98752A	19-inch Color Monitor						
98789A	16-inch Color Monitor						

Accessories and I/O Cards		Return to HP	On-Site Service					
Product No.	Description	FMMC	PMMC	Sched.	WMMC	BMMC	SMMC
27110B	HP-IB Interface						
27114A	Parallel Asynchronous FIFO Interface						
98196A	Asynchronous 6-channel CIO Multiplexer/800						
91786A Opt. 740 Opt. 811 Opt. 841 Opt. 842	LAN/9000 Series 800 Link for Models 825/835 Replace ThinMAU with MAU Delete IEEE 802.3 cable Delete ThinMAU Delete LANIC						
98194A Opt. 740 Opt. 811 Opt. 841 Opt. 842	LAN/9000 Series 800 Link for Model 840 Replace ThinMau with MAU Delete IEEE-802.3 cable Delete ThinMAU Delete LANIC						
91788A Opt. 740 Opt. 811 Opt. 841 Opt. 842	LAN/9000 Series 800 Link for Model 850 Replace ThinMAU with MAU Delete IEEE 802.3 cable Delete ThinMAU Delete LANIC						

Series 800 LAN Cabling Products		Return to HP	On-Site Service					
Product No.	Description	FMMC	PMMC	Sched.	WMMC	BMMC	SMMC
28641A	ThinMAU and tap						
30241A	ThickLAN MAU and tap						
28645A	ThinLAN Hub						
92223A	Repeater Kit						
92223C	20m Repeater FEP AUI Kit						

Disc Drives

Product No.	Description	Return to HP FMMC	On-Site Service PMMC	Sched.	WMMC	BMMC	SMMC
7914CT Opt. 140	132 Mbyte CS/80 Disc/tape Delete 9144 ctg. tape drive						
7914P/R Opt. 001 Opt. 140	132 Mbyte CS/80 Disc/tape Sep. ctg. tape controller Delete 88140 ctg. tape drive						
7935H	404 Mbyte CS/80 Disc drive						
7936H	307 Mbyte CS/80 Disc Drive						
7937H	571 Mbyte CS/80 Disc Drive						
7957A	81 Mbyte CS/80 Disc Drive						
7958A	130 Mbyte CS/80 Disc Drive						
7933HR	404 Mbyte CS/80 Disc Drive						
7935HR	404 Mbyte CS/80 Disc Drive						

Magnetic Tape Drives

Product No.	Description	Return to HP FMMC	On-Site Service PMMC	Sched.	WMMC	BMMC	SMMC
35401A	Cartridge Tape Autochanger						
7974A Opt. 800 Opt. U02	½-inch 1600 cpi Tape Drive Add 800 cpi NRZI Usage >400K ft./mo.						
7978B Opt. U02	½-inch 6250/1600 cpi Tape Drive Usage >300 ft./mo.						
7979A Opt. 133	½-inch 1600 cpi Tape Drive						
7980A Opt. 133	½-inch 6250/1600 cpi Tape Drive						
9144A	¼-inch Cartridge Tape Drive						
92192C	Cartridge Magazine						

Asynchronous Data Communication Devices

Product No.	Description	Return to HP FMMC	On-Site Service PMMC	Sched.	WMMC	BMMC	SMMC
37212A	300/1200-baud Modem						
92205A/C	Hayes Smartmodem™ 1200*						
2334A Opt. 123	X.25 Multiplexer 4-port modem connect card						

Product not supported by HP support. Support provided directly by Hayes.

Terminals		Return to HP	On-Site Service					
Product No.	Description	FMMC	PMMC	Sched.	WMMC	BMMC	SMMC
2393A	12-inch Graphics Terminal						
2397A	12-inch Color Graphics Terminal						
45711A	*Portable PLUS* personal computer, with modem						
45711B	*Portable PLUS* personal computer, without modem						
82982A	Software Drawer						
45850A	HP 150-II PC/Terminal						
72425A	*Vectra* Model 25 personal computer						
72435A	*Vectra* Model 35 personal computer						
72445A	*Vectra Model 45 personal computer*						
24540A	Serial/Parallel Interface						
24541A	Dual RS-232C Interface						
24550A	Internal 300/1200 bps modem						
9807A	*Integral* personal computer						
82919A	RS-232C Serial Interface						
98561A	Model 310 System Processor Unit						
98561B	Model 320 System Processor Unit						
98562A	Model 330 System Processor Unit						
98562B	Model 350 System Processor Unit						
C1001A	HP 700/92 with amber screen						
C1001G	HP 700/92 with green screen						
C1001W	HP 700/92 with soft white screen						
C1002A	HP 700/94 with amber screen						
C1002G	HP 700/94 with green screen						
C1002W	HP 700/94 with soft white screen						
C1003A	HP 700/41 with amber screen						
C1003G	HP 700/41 with green screen						
C1004A	HP 700/22 with amber screen						
C1004G	HP 700/22 with green screen						
C1004W	HP 700/22 with soft white screen						
C1006A	HP 700/43 with amber screen						
C1006G	HP 700/43 with green screen						
C1006W	HP 700/43 with soft white screen						

Printers

Product No.	Description	Return to HP FMMC	On-Site Service PMMC	Sched.	WMMC	BMMC	SMMC
3630A	*HP PaintJet* color graphics printer						
2563B Opt. 049 Opt. 114 Opt. 290 Opt. 510	**300 lpm Impact printer** RS-232C interface Delete options HP-IB CIPER interface Options bundle						
2564B Opt. 049 Opt. 114 Opt. 290 Opt. 510	**600 lpm Impact printer** RS-232C interface Delete options HP-IB CIPER interface Options bundle						
2566B Opt. 049 Opt. 115 Opt. 290 Opt. 500	**900 lpm Impact printer** RS-232C interface Passive paper stacker HP-IB CIPER interface Options bundle						
2567B Opt. 049 Opt. 115 Opt. 290 Opt. 500	**1200 lpm Impact printer** RS-232C interface Passive paper stacker HP-IB CIPER interface Options bundle						
2684A	*LaserJet 2000* with Simplex only						
2684D	*LaserJet 2000* with Duplex and paper deck						
2684P	*LaserJet 2000* with Simplex and paper deck						
26842A	*LaserJet 2000* paper deck upgrade						
26843A	*LaserJet 2000* RS-232/422 serial interface						
26843B	*LaserJet 2000* centronics parallel interface						
26843C	*LaserJet 2000* dataproducts short line interface kit						
26843D	*LaserJet 2000* dataproducts long line interface kit						
33440A	*LaserJet Series II* printer						
33443A	1 Mbyte Memory Board for *LaserJet Series II* printer						
33444A	2 Mbyte Memory Board for *LaserJet Series II* printer						
33445A	4 Mbyte Memory Board for *LaserJet Series II* printer						
2932A	**200 cps dot matrix impact printer**						
2934A	**200 cps dot matrix impact office printer**						
2225D	*ThinkJet* printer (RS-232C)						
2227D	*QuietJet* printer (RS-232C)						
2228A	*QuietJet PLUS* printer (RS-232C)						

Graphics Devices

Product No.	Description	Return to HP FMMC	On-Site Service PMMC	Sched.	WMMC	BMMC	SMMC
3630A	*HP PaintJet* color graphics printer						
7440A	*ColorPro* A-size, 8-pen plotter						
7475A	A...B-size, 6-pen plotter						
7550A	A...B-size, 8-pen sheet-feed plotter						
7570A	*DraftPro* C...D-size, 8-pen plotter						
7595A	*DraftMaster I* A...E-size, 8-pen plotter						
7596A	*DraftMaster II* A...E-size, 8-pen, roll-feed plotter						
17250A	*DraftMaster* upgrade kit						

Human Interface Accessories		Return to HP	On-Site Service					
Product No.	Description	FMMC	PMMC	Sched.	WMMC	BMMC	SMMC
35723A	HP-HIL *HP-Touch* bezel						
46021A	HP-HIL Keyboard						
46060A	HP-HIL Mouse, 2-button						
46060B	HP-HIL Mouse, 3-button						
46085A	HP-HIL Control Dial Module						
46086A	HP-HIL 32-button Box						
46095A	Mouse, 3-button						
46094A	HP-HIL Quadrature Adapter						
46083A	HP-HIL Rotary Control Knob						
46087B	HP-HIL A-size Digitizer						
46088B	HP-HIL B-size Digitizer						
46089B	4-button Cursor for 46087/88A						
92915A	Bar Code Reader for 2392A/94A						
92916A	HP-HIL Bar Code Reader						
46080A	2.4m Extension						
46081A	2.4m Extension						
46082A	15m and RGB Coax Extension						
46082B	30m and RGB Coax Extension						
46084A	HP-HIL ID Module						

HP 9000 Software Support Services

Software support services are available on a per-product basis and span a broad range: from notification-only to personal on-site assistance. Optional services are also available to support multiple systems at a reduced price.

There are five levels of services available, summarized in the following table. "RTC" means "Right-to-Copy." The abbreviations are expanded following the table.

Contract Service	1		2		3		4	5
	AMS	ASC	RCS	ASC	SMS	EMS	SNS	MUS
Account Responsible SE	Yes	Yes	—	—	—	—	—	—
On-site Reponse	Yes	Yes[†]	—	—	—	—	—	—
Telephone Assistance	Yes	Yes[†]	Yes	Yes[†]	—	—	—	—
Software Updates	Yes	RTC	Yes	RTC	Yes	RTC	—	—
Software Manual Updates	Yes	RTC	Yes	RTC	Yes	RTC	—	Yes
Software Status Bulletin (SSB)*	Yes	RTC	Yes	RTC	Yes	RTC	Yes	—
communicator Magazine*	Yes	RTC	Yes	RTC	Yes	RTC	Yes	—

† *Only Operating System services and SNS include these items.*   * *Support is through the central site system manager.*

Operating System Support Services

Support for the operating system is ordered by specifying the operating system product number plus a suffix. For example, 92452A+T22.

AMS – Account Management Support ("+Txx") services provide an assigned account Systems Engineer (SE), on-site assistance for problems that cannot be resolved on the phone, on-site account reviews, software release planning, plus RCS.

RCS – Response Center Support ("+Hxx") service provides telephone access to SEs at HP's response centers (by the system manager or designated alternate), plus SMS.

SMS – Software Materials Subscription ("+Sxx") service provides software and manual updates. For an operating system, SMS also includes the Software Status Bulletin and the HP 9000 *communicator* magazine.

SNS – Software Notification Service provides a subscription to the Software Status Bulletin and the HP 9000 *communicator* magazine.

MUS – Manual Update Service ("+Q00") provides updates to the product's documentation.

ACS – Additional System Coverage ("+V00) extends AMS or RCS coverage to an additional system. ASC includes the right to make a copy of the central system's software and documentation updates. All support is delivered to or through the system administrator or the central system. You may also have HP provide the software/manual updates for the additional systems by specifying "+Vxx" on the additional system(s).

EMS – Extended Materials Support ("+W00") extends the right to make a copy of the software and documentation updates supplied on the central system's SMS service. You may also have HP provide these materials by specifying "+Wxx" on the additional system(s).

Not shown in the preceding table and list is **ARCC – Additional Response Center Caller** ("+P00"). This extends RCS telephone privileges to an additional caller (beyond the administrator or alternate).

Operating System	AMS	RCS	SMS	ASC	EMS	Add'l. ASC	Add'l. EMS	ARCC	MUS	SNS
92452A 16-User HP-UX								+P00	+Q00	+N00
Opt. 825 (support for Models 825/835)	+Txx	+Hxx	+Sxx	+V00	+W00	+Vxx	+Wxx			
Opt. 840	+Txx	+Hxx	+Sxx	+V00	+W00	+Vxx	+Wxx			
92453A 32-User HP-UX								+P00	+Q00	+N00
Opt. 825 (support for Models 825/835)	+Txx	+Hxx	+Sxx	+V00	+W00	+Vxx	+Wxx			
Opt. 840	+Txx	+Hxx	+Sxx	+V00	+W00	+Vxx	+Wxx			
Opt. 850	+Txx	+Hxx	+Sxx	+V00	+W00	+Vxx	+Wxx			
92454A 64-User HP-UX								+P00	+Q00	+N00
Opt. 825 (support for Models 825/835)	+Txx	+Hxx	+Sxx	+V00	+W00	+Vxx	+Wxx			
Opt. 840	+Txx	+Hxx	+Sxx	+V00	+W00	+Vxx	+Wxx			
Opt. 850	+Txx	+Hxx	+Sxx	+V00	+W00	+Vxx	+Wxx			
92455A Unlimited HP-UX								+P00	+Q00	+N00
Opt. 840	+Txx	+Hxx	+Sxx	+V00	+W00	+Vxx	+Wxx			
Opt. 850	+Txx	+Hxx	+Sxx	+V00	+W00	+Vxx	+Wxx			

Models 825/835 Subsystem Software Support

Software Product	SMS	Extended SMS	MUS
92439A/R Native Language I/O and Stick Kanji Font for Series 800	+S00	+W00	+QSS
92433A/R Simplex Kanji Font for Series 800	+S00	+W00	+QSS
92443A/R FORTRAN 77 Compiler for Models 825/835	+S00	+W00	+Q00
92444A/R Pascal/HP-UX Compiler for Models 825/835	+S00	+W00	+Q00
92445A/R Starbase/HP-UX Graphics Library for Models 825/835	+S00	+W00	+Q00
92446A/R DGL/AGP/HP-UX Graphics Library for Models 825/835	+S00	+W00	+Q00
92521A/R HP GKS/HP-UX for Models 825/835	+S00	+W00	+Q00
92522A/R Starbase/HP-UX Display List for Models 825/835	+S00	+W00	+Q00
92524A/R X Window System for Models 825/835	+S00	+W00	+Q00
92460A/R ALLBASE/HP-UX Database Software for Models 825/835	+S00	+W00	+Q00
92533A/R HP Visor/HP-UX for Models 825/835	+S00	+W00	+Q00
35305A/R HP TODAY Developer Pack for Models 825/835	+S00	+W00	+Q00
35306A/R HP TODAY Run-time Environment for Models 825/835	+S00	+W00	+Q00
91787A/R NS/9000 for Models 825/835	+S00	+W00	+Q00
50981A/R ARPA Services for Models 825/835	+S00	+W00	+Q00
36918A HP-UX Gateway SNA/3270 for Models 825/835	+S00	+W00	
98185A HP-UX Gateway SNA/3770 for Models 825/835	+S00	+W00	+Q00
50950A/R NS for the DEC VAX Computer Software	+S00	+W00	
50970A/R NFS Services/800 for Models 825/835	+S00	+W00	+Q00

Model 840 Subsystem Software Support

Software Product	SMS	Extended SMS	MUS
92439A/R Native Language and Kanji Font for Series 800	+S00	+W00	+Q00
92433A Simplex Kanji Font for Series 800	+S00	+W00	+Q00
92430A/R FORTRAN 77 Compiler for Model 840	+S00	+W00	+Q00
92431A/R Pascal/HP-UX Compiler for Model 840	+S00	+W00	+Q00
92436A/R Starbase/HP-UX Graphics Library for Model 840	+S00	+W00	+Q00
92437A/R DGL/AGP/HP-UX Graphics Library for Model 840	+S00	+W00	+Q00
92525A/R HP GKS/HP-UX for Model 840	+S00	+W00	+Q00
92526A/R Starbase/HP-UX Display List for Model 840	+S00	+W00	+Q00
92528A/R X Window System for Model 840	+S00	+W00	+Q00
36217A/R ALLBASE/HP-UX Database Software for Model 840	+S00	+W00	+Q00
92534A/R HP Visor/HP-UX for Model 840	+S00	+W00	+Q00
92440A/R HP TODAY Developer Pack for Model 840	+S00	+W00	+Q00
92441A/R HP TODAY Run-time Environment for Model 840	+S00	+W00	+Q00
98195A/R NS/9000 for Model 840	+S00	+W00	+Q00
36911A/R HP-UX Gateway SNA/3270 for Model 840	+S00	+W00	
98186A/R HP-UX Gateway SNA/3770 for Model 840	+S00	+W00	+Q00
50980A/R ARPA/BSD Services for Model 840	+S00	+W00	+Q00
50971A/R NFS Services/800 for Model 840	+S00	+W00	+Q00
50950A/R NS for the DEC VAX Computer Software	+S00	+W00	

Model 850 Subsystem Software Support

Software Product	SMS	Extended SMS	MUS
92439A/R Native Language I/O and Stick Kanji Font for Series 800	+S00	+W00	+Q00
92433A/R Simplex Kanji Font for Series 800	+S00	+W00	+Q00
92461A/R FORTRAN 77 Compiler for Model 850	+S00	+W00	+Q00
92462A/R Pascal/HP-UX Compiler for Model 850	+S00	+W00	+Q00
92463A/R Starbase/HP-UX Graphics Library for Model 850	+S00	+W00	+Q00
92464A/R DGL/AGP/HP-UX Graphics Library for Model 850	+S00	+W00	+Q00

Software Product	SMS	Extended SMS	MUS
92529A/R HP GKS/HP-UX for Model 850	+S00	+W00	+Q00
92532A/R X Window System for Model 850	+S00	+W00	+Q00
92469A/R ALLBASE/HP-UX Database Software for Model 850	+S00	+W00	+Q00
92535A/R HP Visor/HP-UX for Model 850	+S00	+W00	+Q00
35307A/R HP TODAY Developer Pack for Model 850	+S00	+W00	+Q00
35308A/R HP TODAY Run-time Environment for Model 850	+S00	+W00	+Q00
91789A/R NS/9000 for Model 850	+S00	+W00	+Q00
50982A/R ARPA Services for Model 850	+S00	+W00	+Q00
38919A HP-UX Gateway SNA/3270 for Model 850	+S00	+W00	
98187A/R HP-UX Gateway SNA/3770 for Model 850	+S00	+W00	+Q00
50950A/R NS for the DEC VAX Computer Software	+S00	+W00	
50972A/R NFS Services/800 for Model 850	+S00	+W00	+Q00

HP 9000 Training

General 9000 Training

Product	Description	HP Site	On-Site*
35128A	Introduction to HP-UX (5 days)		
35130A	Programming in C Language (5 days)		
50959A	Using SRM from BASIC and Pascal (1 day)		
51432A	HP-UX Fundamentals for General Users (5 days)		
51433A	Shell Programming for General Users (5 days)		
51434A	HP-UX for Programmers (5 days)		
51435A	Advanced HP-UX Tools (5 days)		
51438A	SCCS and *make* utility (2 days)		
51439A	Advanced Editing with *vi* (1 day)		
51440A	Document Preparation (3 days)		
98501A	BASIC Programming (4 days)		
98502A	9845 Operating and Programming (5 days)		
98503A	BASIC I/O Programming (4 days)		
98511B	Pascal Programming (5 days)		
98524A	HPL Operating and Programming (5 days)		
98525A	HPL I/O Programming (4 days)		

* Courses can be given at suitably-equipped customer facilities. These courses, which carry an X suffix (such as 35128X), are listed in the HP Corporate Price List. For more information on all Training Courses, contact the local Hewlett-Packard Applications Engineering Organization or your local HP sales office.

Series 800 Training

Product	Description	HP Site	On-Site*
36217AN	HP SQL for MPE XL and HP-UX Course (5 days)		
51482A	System Administration for Series 800 (5 days)		

* Courses can be given at suitably-equipped customer facilities. These courses, which carry an X suffix (such as 35128X), are listed in the HP Corporate Price List. For more information on all Training Courses, contact the local Hewlett-Packard Applications Engineering Organization or your local HP sales office.

General Consulting Services

Field District (ID44)	Regular Hours	After Hours Weekday	Weekends or Holidays
Product Support Representative	51413A	51419A	51422A
Application Engineer	51414A	51420A	51423A
Specialist	51415A	51421A	51424A

Project Center (ID46)	Regular Hours	After Hours Weekday	Weekends or Holidays
Product Support Representative	35135G	35135H	35135K
Application Engineer	35135C	35135I	35135L
Specialist	35135D	35135J	35135M

Travel Charge options for HP 51413A – 51424A Consulting Services and HP 35135C – M Project Services.

Option	Description	Price
101	Zone 1 Travel Charge	
102	Zone 2 Travel Charge	
103	Zone 3 Travel Charge	
104	Zone 4 Travel Charge	
105	Beyond Zone 4 Travel Charge	Quote

For Europe and Intercon only, the following daily rates apply:

51416A	Product Support Representative Daily Rate	
51417A	Application Engineer Daily Rate	
51418A	Specialist Daily Rate	

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.