

HP 9000 Series 500 Computers Pricing Information*



Effective date: September 1, 1987

* All data and prices are subject to change without notice.
All prices include factory base plus freight in U.S.A.

System Configurations

The HP 9000 Series 500 is available in three configurations: the Model 520 (9020) integrated workstation, the Model 550 (9050) modular system, and the Model 560 (9060) bundled system.

The Series 500 computers offer choices of BASIC and HP-UX operating systems. HP-UX and its associated languages and compilers, FORTRAN 77, C, Pascal and HP Technical BASIC are supported on the Models 550 and 560. In addition to HP-UX, the Model 520 supports the BASIC language system.

The Models 520 and 550 are available in both base and bundled system configurations, while the Model 560 is available as a bundled system only. The base system includes all standard features. The bundled system includes the base system plus several factory-installed options or software offered at a discounted price.

This pricing guide contains only HP part numbers, option numbers, and corresponding prices. See your HP sales representative or the HP 9000 Series 500 Configuration Guide for information on how to configure your system.

HP offers various hardware and software support services. This pricing information guide lists the hardware support

services with the prices of system configurations. Billing on all monthly maintenance charges can be made annually, semiannually, or on a quarterly basis. Software support services are listed separately.

Monthly Maintenance Charges

Category	Place of Service	Response Time
Field (FMMC)	Return to HP. Shipping at user's expense.	—
Product (PMMC)	Flat charge within Zone 1 (0-100 mile radius from the HP maintenance source).	Next Day
Basic (BMMC)	Flat charge within Zone 1 (0-100 mile radius from the HP maintenance source).	Next Day
Standard (SMC)	Flat charge within Zone 1 (0-100 mile radius from the HP maintenance source).	Four Hours

Series 500 Base Systems

Product No./Option No.	Description	Price	BMMC	SMC
9020A	Model 520 Workstation Computer base system with standard 12.2-inch, color CRT display, 2 Mbyte RAM, 5¼" Flexible Disc, ASCII Keyboard and single I/O Processor.	\$35,200.	\$ 84.	\$ 91.
Opt. 241	Second IOP (requires 97098A expander)	2,060.	1.	2.
Opt. 242	Third IOP (requires 97098A expander)	2,060.	1.	2.
Opt. 246	2 Mbytes additional RAM (two 1 Mbyte boards)	7,140.	15.	19.
Opt. 590	Internal Thermal Printer for 8½ x 11" paper	4,990.	22.	27.
Opt. 591	Internal Thermal Printer for 210 mm paper	4,990.	22.	27.
Opt. 500†	One floating point CPU	N/C	3.	4.
Opt. 600†	One additional floating point CPU (2 total)	4,590.	3.	4.
Opt. 700†	Two additional floating point CPUs (3 total)	8,670.	3.	4.
Opt. 605‡	5¼" 256 Kbyte Flexible Disc	N/C	N/C	N/C
Opt. 610‡	20 Mbyte Fixed Disc Drive plus 5¼" 256 Kbyte Flexible Disc	4,630.	24.	30.
9020B	Model 520 Workstation Computer base system with a 12.2-inch, high-performance monochrome CRT display, 2 Mbyte RAM, 5¼" Flexible Disc, ASCII Keyboard and single I/O Processor.	35,700.	80.	99.
Opt. 241	Second IOP (requires 97098A expander)	2,060.	1.	2.
Opt. 242	Third IOP (requires 97098A expander)	2,060.	1.	2.
Opt. 246	2 Mbytes additional RAM (two 1 Mbyte boards)	7,140.	15.	19.
Opt. 590	Internal Thermal Printer for 8½ x 11" paper	4,990.	22.	27.
Opt. 591	Internal Thermal Printer for 210 mm paper	4,990.	22.	27.
Opt. 775	Light Pen	1,620.	N/C	N/C
Opt. 500†	One floating point CPU	N/C	3.	4.
Opt. 600†	One additional floating point CPU (2 total)	4,590.	3.	4.
Opt. 700†	Two additional floating point CPUs (3 total)	8,670.	3.	4.
Opt. 605‡	5¼" 256 Kbyte Flexible Disc	N/C	N/C	N/C
Opt. 610‡	20 Mbyte Fixed Disc Drive plus 5¼" 256 Kbyte Flexible Disc	4,630.	24.	30.

† Either Opt. 500, 600 or 700 must be specified at time of order.

‡ Either Opt. 605 or 610 must be specified at time of order.

Series 500 Base Systems (cont'd)

Product No./ Option No.	Description	Price	BMMC	SMMC
9020C	Model 520 Workstation Computer base system with a 13-inch, high-performance color CRT display, two 1 Mbyte RAM boards, 5¼" Flexible Disc, ASCII Keyboard and single I/O Processor.	\$51,000.	\$207.	\$258.
Opt. 241	Second IOP (requires 97098A expander)	2,060.	1.	2.
Opt. 242	Third IOP (requires 97098A expander)	2,060.	1.	2.
Opt. 246	2 Mbytes additional RAM (two 1 Mbyte boards)	7,140.	15.	19.
Opt. 590	Internal Thermal Printer for 8½" x 11" paper	4,990.	22.	27.
Opt. 591	Internal Thermal Printer for 210 mm paper	4,990.	22.	27.
Opt. 775	Light Pen	1,620.	N/C	N/C
Opt. 500†	One floating point CPU	N/C	3.	4.
Opt. 600†	One additional floating point CPU (2 total)	4,590.	3.	4.
Opt. 700†	Two additional floating point CPUs (3 total)	8,670.	3.	4.
Opt. 605‡	5¼" 256 Kbyte Flexible Disc	N/C	N/C	N/C
Opt. 610‡	20 Mbyte Fixed Disc Drive plus 5¼" 256 Kbyte Flexible Disc	4,630.	24.	30.
9050A	Model 550 Modular Computer base system with two 1 Mbyte RAM boards, diagnostic display panel, and single I/O processor. Suitable for installation in the 92211L mobile mini-rack.	21,200.	40.	49
Opt. 246	2 Mbytes additional RAM (two 1 Mbyte boards)	7,140.	15.	19.
Opt. 249	Second IOP (requires one 97098A expander)	2,060.	1.	2.
Opt. 500†	One floating point CPU	N/C	N/C	N/C
Opt. 600†	One additional floating point CPU (2 total)	4,590.	3.	4.
Opt. 700†	Two additional floating point CPUs (3 total)	8,670.	3.	4.
9050AU	Model 550 Modular Computer Shell. Does not include CPU, IOP, or RAM.	10,200.	15	19
Opt. U01	Upgrade from Model 520, 530, or 540 to Model 550. This option provides the 550 Computer Shell plus the instructions for using the finstrates and I/O cards removed from Models 520, 530, or 540. (Requires the return of the 520, 530, or 540 shell.)	-2,500.		

† Either Opt. 500, 600 or 700 must be specified at time of order.

‡ Either Opt. 605 or 610 must be specified at time of order.

Series 500 Bundled Systems

Product No./ Option No.	Description	Price	BMMC	SMMC
9020AS	9020A Base System , plus 20 Mbyte Fixed Disc, Thermal Printer, BASIC Language System and 2D/3D Graphics.	\$42,050.	\$150.	\$176.
Opt. 241	Second IOP (requires 97098A expander)	2,060.	1.	2.
Opt. 242	Third IOP (requires 97098A expander)	2,060.	1.	2.
Opt. 246	2 Mbytes additional RAM (two 1 Mbyte boards)	7,140.	15.	19.
Opt. 500†	One floating point CPU	N/C	3.	4.
Opt. 600†	One additional floating point CPU (2 total)	4,590.	3.	4.
Opt. 700†	Two additional floating point CPUs (3 total)	8,670.	3.	4.
Opt. 591	Replace 8½" Thermal Printer paper with 210 mm paper	N/C	N/C	N/C
9020AT	9020A Base System , plus Thermal Printer; 27110B HP-IB Interface; single-user HP-UX Operating System; FORTRAN 77, C, and HP Pascal Compilers; Starbase Graphics Library; and GRAPHICS/9000 DGL/AGP.	46,150.	149.	178.
Opt. 241	Second IOP (requires 97098A expander)	2,060.	1.	2.
Opt. 242	Third IOP (requires 97098A expander)	2,060.	1.	2.
Opt. 246	2 Mbytes additional RAM (two 1 Mbyte boards)	7,140.	15.	19.
Opt. 500†	One floating point CPU	N/C	3.	4.
Opt. 600†	One additional floating point CPU (2 total)	4,590.	3.	4.
Opt. 700†	Two additional floating point CPUs (3 total)	8,670.	3.	4.
Opt. 591	Replace 8½" Thermal Printer paper with 210 mm paper	N/C	N/C	N/C
Opt. 610‡	Add 20 Mbyte Fixed Disc (not system disc)	4,630.	24.	30.
Opt. 022§	Software on ¼-inch tape cartridge	N/C	N/C	N/C
9050AM	9050A Base System plus 27110B HP-IB Interface; 27130B 8-channel Multiplexer; 16-user licensed HP-UX Operating System; FORTRAN 77, C, and HP Pascal Compilers; GRAPHICS/9000 DGL/AGP, and Starbase Graphics Library.	28,500.	95.	118.
Opt. 249	Second IOP (requires 97098A expander)	2,060.	1.	2.
Opt. 246	2 Mbytes additional RAM (two 1 Mbyte boards)	7,140.	15.	19.
Opt. 500†	One floating point CPU	N/C	N/C	N/C
Opt. 600†	One additional floating point CPU (2 total)	4,590.	3.	4.
Opt. 700†	Two additional floating point CPUs (3 total)	8,670.	3.	4.
Opt. 022§	Software on ¼-inch tape cartridge	N/C	N/C	N/C

† Either Opt. 500, 600 or 700 must be specified at time of order.

§ Opt. 022 must be specified for all HP-UX software at time of order.

‡ Either Opt. 605 or 610 must be specified at time of order.

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Series 500 Bundled Systems (cont'd)

Product No./ Option No.	Description	Price	BMMC	SMMC
9050AT	9050A Base System plus 27110B HP-IB Interface; 27128A RS-232C Interface with female cable; single-user HP-UX Operating System; FORTRAN 77, C, and HP Pascal Compilers; GRAPHICS/9000 DGL/AGP, and Starbase Graphics Library.	\$27,900.	\$ 88.	\$109.
Opt. 246	2 Mbytes additional RAM (two 1 Mbyte boards)	7,140.	15.	19.
Opt. 249	Second IOP (requires one 97098A expander)	2,060.	1.	2.
Opt. 500†	One floating point CPU	N/C		
Opt. 600†	One additional floating point CPU (2 total)	4,590.	3.	4.
Opt. 700†	Two additional floating point CPUs (3 total)	8,670.	3.	4.
Opt. 022§	Software on ¼-inch tape cartridge	N/C	N/C	N/C
9060AM	Model 560. Similar to 9050A but includes three CPUs; 8 Mbytes RAM; 27140A 6-channel Multiplexer; 27110B HP-IB interface; one IOP; 16-user licensed HP-UX Operating System; FORTRAN 77, C, and HP Pascal Compilers, GRAPHICS/9000 DGL/AGP, and Starbase Graphics Library.	49,050.	89.	113.
Opt. 022§	Software on ¼-inch tape cartridge (option must be specified)	N/C		

† Either Opt. 500, 600 or 700 must be specified at time of order.

§ Opt. 022 must be specified for all HP-UX software at time of order.

Series 500 Accessories



RAM

Field Install Product No.	Description	Price	BMMC	SMMC
97046A	2 x 1 Mbyte RAM , field installable (for HP-UX 5.1 or later)	\$ 7,140.	\$15.	\$19.
Opt. 001	Loader ROM for operation of 97046A/48A with HP-UX 4.0 or later and BASIC 2.0, field installable for older Model 520 only	235.	N/C	N/C
97046P	Package of 25 pairs of 1 Mbyte (50 Mbyte total) RAM boards	102,000.	N/A	N/A
97048A	2 Mbyte RAM Board , field installable	7,140.	15.	19.
97048P	Package of 25 2 Mbyte RAM boards	115,000.	N/A	N/A

IOPs

Field Install Product No.	Description	Price	BMMC	SMMC
97041A	Second IOP for 9020. Requires one 97098A expander for each IOP added.	\$ 2,060.	\$ 1.	\$ 2.
97042A	Third IOP for 9020. Requires one 97098A expander for each IOP added.	2,060.	1.	2.
97049A	First or second IOP for 9050A/AM/AT. Requires one 97098A expander if ordered as second IOP.	2,060.	1.	2.
97049P	Package of 25 IOPs (first or second, for Model 550 only).	48,450.	N/A	N/A

CPUs

Field Install Product No.	Description	Price	BMMC	SMMC
97043A	One additional CPU	\$ 5,100.	\$ 3.	\$ 4.
97043B	One floating point CPU	4,590.	3.	4.
97043P	Package of 25 floating point CPUs	71,400.	N/A	N/A

Miscellaneous

Field Install Product No.	Description	Price	BMMC	SMMC
97090A	Internal Thermal Printer for 9020 for 8½" x 11" paper	\$ 4,990.	\$22.	\$27.
Opt. 591	For 210 mm paper for 9020	N/C	N/C	N/C
97093A	20 Mbyte Fixed Disc Drive for 9020	4,630.	24.	30.
97098A	I/O Expander	3,760.	8.	10.
98775A	Light Pen (9020B or C, BASIC)	1,620.	N/C	N/C

Keyboard Options for Model 520

Product No./ Option No.	Description	Price	FMMC	PMMC	BMMC	SMMC
Opt. 810	French Keyboard and Character Set	N/C	N/A	N/A	N/A	N/A
Opt. 820	Spanish Keyboard and Character Set	N/C	N/A	N/A	N/A	N/A
Opt. 830	German Keyboard and Character Set	N/C	N/A	N/A	N/A	N/A
Opt. 840	Katakana Keyboard and Character Set	N/C	N/A	N/A	N/A	N/A
Opt. 850	Swedish/Finnish Keyboard and Character Set	N/C	N/A	N/A	N/A	N/A

Interface Products for Series 500

Product No./ Option No.	Description	Price	FMMC	PMMC	BMMC	SMMC
27110B	HP-IB Interface (includes 2m cable)	\$ 1,030.	N/A	N/A	\$ 3.	\$ 4.
27112A	GP-IO Interface (includes 5m unterminated cable)	715.	N/A	N/A	4.	5.
Opt. 001	50-pin cable for 9885M or 97060A	51.	N/A	N/A	N/A	N/A
27116A	HP-CIO Extender Card	410.	N/A	N/A	N/A	N/A
27122A	RJE Interface (includes 5m cable)	2,155.	N/A	N/A	7.	9.
27125B	LAN/500 Link (includes 28641A ThinMAU and "T" connector*, 0.7m IEEE 802.3 card connector cable; requires network services software)	2,600.	N/A	N/A	10.	13.
Opt. 001	Deletes 802.3 cable and MAU; substitutes Ethernet™ card connector cable	-350.	N/A	N/A	N/A	N/A
Opt. 241	Deletes ThinMAU (order 92254x AUI cable and 30241A MAU from Computer User's Catalog)	-350.	N/A	N/A	N/A	N/A
27128A	Asynchronous Serial Interface (includes 5m RS-232C cable with female connector)	930.	N/A	N/A	3.	4.
Opt. 001	5m terminal emulation cable (male connector)	N/C	N/A	N/A	N/A	N/A
27130B	8-channel Multiplexer Interface MUX - Asynchronous Terminal Multiplexer, 8 direct-connect RS-232C ports	2,100.	N/A	N/A	10.	12.
Opt. 019	Mounting bracket for 19-in. EIA rack	41.	N/A	N/A	N/A	N/A
Opt. 550	Mounting bracket for 92211R cabinet rack	41.	N/A	N/A	N/A	N/A
27140A	6-channel Multiplexer Interface (modem supported)	2,450.	N/A	N/A	5.	6.
Opt. 001	10 meter extension cable	355.	N/A	N/A	N/A	N/A
Opt. 019	Mounting bracket for 19-in. EIA rack	41.	N/A	N/A	N/A	N/A
Opt. 550	Mounting bracket for 92211R cabinet rack	20.	N/A	N/A	N/A	N/A
50961A	SRM Coax Interface (Must order option)	—	N/A	N/A	7.	9.
Opt. 500	SRM Coax Interface for Series 500 use	2,445.	N/A	N/A	7.	9.

* See the Computer User's Catalog for ThinLAN cable and terminators (92227x).

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Series 500 BASIC Language and Operating System

Product No./ Option No.	Description	Price	
		Part Number Suffix*	
		"A/B"	"M & R"
97050B	BASIC Language System	\$ 2,550.	\$ 1,275.
Opt. 042†	Software on 5½" Flexible Disc	N/C	
Opt. 001‡	Previous Revision Upgrade Discount	-1,000.	-500.
97052B	2D-3D Graphics	1,225.	610.
Opt. 042†	Software on 5¼" Flexible Disc	N/C	
Opt. 001‡	Previous Revision Upgrade Discount	-480.	-240.
97053B	IMAGE/QUERY 9000 (BASIC)	1,225.	610.
Opt. 042†	Software on 5¼" Flexible Disc	N/C	
Opt. 001	Previous Revision Upgrade Discount	-480.	-240.
97056A	BASIC Asynchronous Terminal Emulator	515.	250.
Opt. 042†	Software on 5¼" Flexible Disc	N/C	
97058A	Shared Resource Management software (requires 27123A or 50961 #500 interface)	204.	100.
Opt. 042†	Software on 5¼" Flexible Disc	N/C	

* A/B = initial copy; M = right to reproduce 1 copy without right to sublicense; R = right to reproduce 1 copy with right to sublicense. Software provided with 520AS system does not qualify as "A/B" product purchase which is a prerequisite for purchase of "M" or "R" product.

† Opt. 042 must be specified at time of order.

‡ Opt. 001 = Discount for owners of previous revision of 970XXX.

Series 500 HP-UX Operating System

HP-UX operating systems include commands libraries, C Compiler, GRAPHICS/9000 DGL, Starbase Graphics Library,

device I/O library, and symbolic debugger. (Also included are asynchronous datacomm (*aterm, uucp, uux, cu.*)

Product No.			Price			
			Part Number Suffix*			
			Single-user		Multi-user	
Single-user	Multi-user	"C"	"M & R"	"C"	"M & R"	
97070C		HP-UX Operating System (Model 520 only)				
		Single-user	\$ 2,060.			
Opt. 022 [†]		Software on ¼-inch tape cartridge	N/C			
Opt. 005		Additional copy discount	-1,000.			
Opt. 001		Previous revision upgrade	-800.			
Opt. 100		Delete manuals	-200.			
97080C		Licensed for 1 to 16 users			\$ 5,100.	
Opt. 022 [†]		Software on ¼-inch tape cartridge			N/C	
Opt. 003 [§]		Single-user to 16-user licensed system upgrade			-1,500.	
Opt. 005		Additional copy discount			-2,500.	
Opt. 001		Previous revision upgrade			-2,000.	
Opt. 100		Delete manuals			-200.	
97078C		Licensed for 1 to 32 users			7,140.	
Opt. 022 [†]		Software on ¼-inch tape cartridge			N/C	
Opt. 003 [#]		16-user to 32-user licensed system upgrade			-4,500.	
Opt. 005		Additional copy discount			-3,500.	
Opt. 001		Previous revision upgrade			-2,800.	
Opt. 100		Delete manuals			-200.	

Product No.			Price			
			Part Number Suffix*			
			Single-user		Multi-user	
Single-user	Multi-user	"A/C"	"M & R"	"A"	"M & R"	
97079C		HP-UX Operating System (Model 550/560 only)				
		Single-user	\$ 2,060.			
Opt. 022 [†]		Software on ¼-inch tape cartridge	N/C			
Opt. 005		Additional copy discount	-1,000.			
Opt. 001		Previous revision upgrade	-800.			
Opt. 100		Delete manuals	-200.			
97089C		Licensed for 1 to 16 users			\$ 5,100.	
Opt. 022 [†]		Software on ¼-inch tape cartridge			N/C	
Opt. 003 [§]		Single-user to 16-user licensed system upgrade			-1,500.	
Opt. 005		Additional copy discount			-2,500.	
Opt. 001		Previous revision upgrade			-2,000.	
Opt. 100		Delete manuals			-200.	
97088C		Licensed for 1 to 32 users			7,140.	
Opt. 022 [†]		Software on ¼-inch tape cartridge			N/C	
Opt. 003 [#]		16-user to 32-user licensed system upgrade			-4,500.	
Opt. 005		Additional copy discount			-3,500.	
Opt. 001		Previous revision upgrade			-2,800.	
Opt. 100		Delete manuals			-200.	
97051C		Licensed for 1 to 64 users			17,350.	
Opt. 022 [†]		Software on ¼-inch tape cartridge			N/C	
Opt. 003		32-user to 64-user licensed system upgrade			-6,500.	
Opt. 005		Additional copy discount			-7,000.	
Opt. 100		Delete Manuals			-200.	
97073A	97083A	IMAGE/QUERY Database Management				
		Single-user/Multi-user	1,020.	\$ 510.	2,550.	\$ 1,275.
Opt. 022		Software on DC-600 tape cartridge	N/C	N/C	N/C	N/C
Opt. 001		Upgrade discount from previous version	-400.	-200.	-1,000.	-500.
Opt. 003 [§]		Single-user to multi-user upgrade			-1,000.	-500.



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[†] Opt. 022 must be specified at time of order.
[‡] Opt. 001 = Discount for owners of previous revision of 970XXX.

[§] Opt. 003 = Discount for owners of single-user software. Software provided with 9020AT/9050AT/9050AM does qualify for discount. Opt. 003 cannot be used with Opt. 005.
[#] Opt. 003 = Discount for owners of 16-user software. Software provided with 9020AT/9050AT/9050AM does qualify for discount. Opt. 003 cannot be used with Opt. 005.

Series 500 HP-UX Operating System (cont'd)

Product No.			Price			
			Part Number Suffix*			
Single-user	Multi-user		Single-user "A/C"	"M & R"	Multi-user "A"	"M & R"
97071C	97081C	FORTRAN 77 Compiler Opt. 022 [†] Software on 1/4-inch tape cartridge Opt. 001 [‡] Previous revision upgrade Opt. 003 [§] Single-user to multi-user software upgrade (97081C only) Opt. 100 Delete manuals	\$ 2,060. N/C -800.	\$ 1,030. -400. -40.	\$ 4,590. N/C -1,800. -1,500.	\$ 2,295. -900. -750. -40.
97072C	97082C	HP Pascal Compiler Opt. 022 [†] Software on 1/4-inch tape cartridge Opt. 001 [‡] Previous revision upgrade Opt. 003 [§] Single-user to multi-user software upgrade (97082C only) Opt. 100 Delete manuals	2,060. N/C -800.	1,030. -400. -40.	4,590. N/C -1,800.	2,295. -900. -40. -40.
97068A		HP Technical BASIC Interpreter (BASIC language for HP-UX) Opt. 022 Software on 1/4-inch tape cartridge Opt. 100 Delete Manuals	2,040.	1,020. N/C -90.	2,040.	1,020. N/C -90.
97075A	97085A	GRAPHICS/9000 AGP Opt. 022 [†] Software on 1/4-inch tape cartridge Opt. 001 [‡] Previous revision upgrade Opt. 003 [§] Single-user to multi-user software upgrade (97085A only)	1,630. N/C -640.	815. -320.	4,080. N/C -1,600.	2,040. -800. -800.
97057A	97069A	HP Windows/9000 - Interactive human interface which includes commands to create and manipulate windows, menus, icons and fonts. Requires 98700H Graphics Display Station. Does not support 98710A Graphics Accelerator. Opt. 022 Software on 1/4-inch tape cartridge	305. N/C		765. N/C	

Product No.			Price			
			Part Number Suffix*			
Single-user	Multi-user		Single-user "A"	"M & R"	Multi-user "A"	"M & R"
98673A		HP-GKS Graphics Library. HP-GKS is a full Level 2b implementation of the ANSI/OSI Graphical Kernel System standard. Opt. 022 Software on 1/4-inch tape cartridge	\$ 3,060. N/C	N/A	\$ 3,060. N/C	N/A
50968A		RJE Emulator (requires 27122A Interface) Opt. 022 [†] Software on 1/4-inch tape cartridge	2,550. N/C	N/A	2,550. N/C	N/A
98694A		SRM Access Utilities for HP-UX Systems (requires 50961A Opt. 500 or 27123A interface) Opt. 022 Software on 1/4-inch tape cartridge	510. N/C		510. N/C	
97086A		Application Migration Package. To assist users in transporting programs from HP 1000 RTE-6/VM to HP-UX. Opt. 022 Software on 1/4-inch tape cartridge	1,010. N/C		1,010. N/C	
98684X		DGL Skeleton Device Handler. Allows the interfacing of non-HP devices to applications based on DGL. Opt. 022 Software on 1/4-inch tape cartridge	1,020. N/C		1,020. N/C	

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† Opt. 022 must be specified at time of order.

‡ Opt. 001 = Discount for owners of previous revision of 970XXX.

§ Opt. 003 = Discount for owners of single-user software. Software provided with 9020AT/9050AT/9050AM does qualify for discount. Opt. 003 cannot be used with Opt. 005.

Opt. 003 = Discount for owners of 16-user software. Software provided with 9020AT/9050AT/9050AM does qualify for discount. Opt. 003 cannot be used with Opt. 005.

Shared Resource Management (SRM)

Product No./ Option No.	Description	Price	FMMC	PMMC	BMMC	SMMC
50961A* Opt. 500 98694A Opt. 022	To connect a Series 500 HP-UX Workstation: Resource Management Coax Interface Must order option SRM Access Software for HP-UX (must order option) Software provided on 1/4-inch cartridge tape	— \$ 2,445. 510. N/C	N/A N/A	N/A N/A	\$ 7. N/A	\$ 9. N/A
50961A* Opt. 500 97058A Opt. 042	To connect a Series 500 BASIC Language Workstation: Resource Management Coax Interface Must order option SRM Access Software (must order option) Software provided on 5/4-inch floppy	— 2,445. 204. N/C	N/A N/A	N/A N/A	7. N/A	9. N/A

* Requires coax cable and coax interface in SRM server.

Local Area Networking (LAN)

LAN Software

Product No./ Option No.	Description	Price	
		Part Number Suffix*	
		"A"	"M & R"
50954A Opt. 022 Opt. 001	NS/9000 Series 500 (must order media option) Software on 1/4-inch tape cartridge Previous revision upgrade	\$ 4,080. N/C -1,600.	\$ 2,040. N/C -800.
50950A Opt. 044 Opt. 200 Opt. 300 Opt. 400	Network Services for the DEC VAX MicroVAX RX50 MicroVAX TK50 Mid-range 11/725-85X0 9-track High-end 8600-89X0 9-track	6,120. 6,120. 8,670. 11,200.	4,285. 4,285. 6,070. 7,850.

* A = initial copy; M = right to reproduce 1 copy without right to sublicense; R = right to reproduce 1 copy with right to sublicense. Software provided with 520AS system does not qualify as "A" product purchase which is a prerequisite for purchase of "M" or "R" product.

LAN Hardware

Product No./ Option No.	Description	Price	FMMC	PMMC	BMMC	SMMC
27125B	LAN/500 Link (requires 50951A or 50952A). Includes LAN interface, 28641A ThinMAU with integrated 1 meter AUI cable, and BNC "T" connector.	\$ 2,600.	N/A	N/A	\$13.	\$18.
Opt. 001	Ethernet card connector cable	-350.	N/A	N/A	N/A	N/A
Opt. 241	Delete ThinMAU and "T" Connector for connecting to backbone LAN cable. (Must order MAU and AUI cable separately.)	-350.	N/A	N/A	N/A	N/A
	LAN Cables and Accessories For connecting to ThinLAN. ThinLAN coax cable (with BNC connectors installed):					
92227A	1-m coax cable	25.	N/A	N/A	N/A	N/A
92227B	2-m coax cable	27.	N/A	N/A	N/A	N/A
92227C	4-m coax cable	29.	N/A	N/A	N/A	N/A
92227D	8-m coax cable	33.	N/A	N/A	N/A	N/A
92227E	16-m coax cable	39.	N/A	N/A	N/A	N/A
92227F	32-m coax cable	51.	N/A	N/A	N/A	N/A
92227G	64-m coax cable	76.	N/A	N/A	N/A	N/A
92227H	128-m coax cable	126.	N/A	N/A	N/A	N/A
92227J	ThinLAN coax cable (without connectors): Cut-to-length, PVC (cost per meter)	.78	N/A	N/A	N/A	N/A
92227K	Cut-to-length, FEP (cost per meter)	3.35	N/A	N/A	N/A	N/A

LAN Hardware (cont'd)

Product No./ Option No.	Description	Price	FMMC	PMMC	BMMC	SMMC
	ThinLAN Accessories					
92227L	BNC Connector Pair for 92227J/K	\$ 22.50	N/A	N/A	N/A	N/A
92227M	BNC Connector Tool Kit for 92227J/K	450.	N/A	N/A	N/A	N/A
92227N	BNC "T" Connector	27.50	N/A	N/A	N/A	N/A
92227P	ThinLAN Terminator Pair	23.	N/A	N/A	N/A	N/A
28641A	ThinMAU Includes 1 meter AUI cable and BNC T-connector (included with 27125B)	350.	N/A	N/A	N/A	N/A
	For connecting to Backbone LAN:					
30241A	Backbone LAN MAU and Tap	400.	N/A	N/A	\$ 9.	\$12.
92256C	LAN MAU and Installation Kit (order once):	39.	N/A	N/A	9.	12.
	Backbone LAN AUI cables (with connectors attached):					
92254A	6-m FEP AUI Cable	135.	N/A	N/A	N/C	N/C
92254B	12-m FEP AUI Cable	200.	N/A	N/A	N/C	N/C
92254C	24-m FEP AUI Cable	345.	N/A	N/A	N/C	N/C
92254D	48-m FEP AUI Cable	635.	N/A	N/A	N/C	N/C
92254E	6-m PVC (11) AUI Cable	85.	N/A	N/A	N/C	N/C
92254F	12-m PVC AUI Cable	110.	N/A	N/A	N/C	N/C
92254G	24-m PVC AUI Cable	160.	N/A	N/A	N/C	N/C
92254H	48-m PVC AUI Cable	250.	N/A	N/A	N/C	N/C
	Backbone LAN AUI Cables (without connectors attached) and Tools:					
92255A	FEP Cut-to-length AUI Cable (cost per meter)	13.	N/A	N/A	N/C	N/C
92255B	PVC Cut-to-length AUI Cable (cost per meter)	4.50	N/A	N/A	N/C	N/C
92255C	LAN AUI Connector kit (order for each 92255A/B connection)	47.	N/A	N/A	N/C	N/C
92256B	LAN AUI Cable Assembly Tool Kit (only order once); requires 92229B Crimp Tool	900.	N/A	N/A	N/C	N/C
	Backbone LAN Coax Cable (including connectors and terminators):					
92253A	23.4-m FEP without connectors attached	400.	N/A	N/A	N/C	N/C
92253B	23.4-m FEP with connectors attached	425.	N/A	N/A	N/C	N/C
92253C	117-m FEP without connectors attached	1,500.	N/A	N/A	N/C	N/C
92253D	500-m FEP without connectors attached	6,000.	N/A	N/A	N/C	N/C
92253E	23.4-m PVC without connectors attached	200.	N/A	N/A	N/C	N/C
92253F	23.4-m PVC with connectors attached	225.	N/A	N/A	N/C	N/C
92253G	117-m PVC without connectors attached	500.	N/A	N/A	N/C	N/C
92253H	500-m PVC without connectors attached	2,100.	N/A	N/A	N/C	N/C
	Backbone LAN Coax Cable Tools for attaching connectors (order once):					
92256A	LAN Coax Installation Tool Kit	185.	N/A	N/A	N/C	N/C
92229B	LAN Coax Crimp Tool	199.	N/A	N/A	N/C	N/C
	For repeatered networks:					
92223A	Repeater Kit. Includes repeater, two 5-meter repeater AUI cables, and 2 repeater MAUs. For connecting to ThinLAN or Backbone LAN coax segments.	4,080.	N/A	\$24.	N/A	48.
92223C	20-m Repeater FEP AUI. Includes a single 20 meter repeater AUI cable. For extending the distance between the repeater and repeater MAU (up to 50 meters max).	335.	N/A	N/A	N/A	N/A
	<i>Note: For complete information on LAN cables and accessories, see the HP Computer Users' Catalog.</i>					
28645A Opt. 241	ThinLAN Hub. Includes 5m AUI cable and 30241A MAU. Delete AUI Cable and MAU	3,010. -500.	5.	9.	N/A	N/A

HP 9000 Peripherals, Media and Accessories*

* For detailed information on model numbers and operating systems these peripherals are supported with, please refer to the Series 500 Configuration Guide.

Data Storage (630 Kbytes - 40 Mbytes)

Product No./ Option No.	Description	Price	FMMC	PMMC	BMMC	SMMC
9122D	2 x 630 Kbyte, 3½" flexible dual master disc	\$ 1,415.	\$ 3.	\$ 6.	\$ 9.	\$12.
9122S	630 Kbyte, 3½" flexible single master disc	1,110.	2.	4.	6.	8.
97093A	10 Mbyte disc drive for Model 520	4,630.	N/A	N/A	23.	29.
9153A	10 Mbyte Winchester disc with 3½" 630 Kbyte double-sided microfloppy	1,980.	5.	10.	16.	20.
9154A	10 Mbyte Winchester disc	1,925.	4.	8.	13.	16.
9133L	40 Mbyte Winchester disc with 3½" 630 Kbyte double-sided microfloppy	4,540.	16.	24.	38.	48.
Opt. 001	1 Kbyte sectors for UNIX	N/C	N/C	N/C	N/C	N/C
9134L	40 Mbyte Winchester disc	4,130.	14.	22.	35.	44.
Opt. 001	1 Kbyte sectors for UNIX	N/C	N/C	N/C	N/C	N/C
9153B	20 Mbyte Winchester disc with 3½" 630 Kbyte, double-sided microfloppy	2,795.	3.	6.	N/A	N/A
9154B	20 Mbyte Winchester disc	2,435.	3.	5.	N/A	N/A

CS/80 Hard Disc Storage (41 Mbytes to 571 Mbytes)

Product No./ Option No.	Description	Price	FMMC	PMMC	BMMC	SMMC
7907A	41 Mbyte fixed/removable drive, 20½ removable, 20½ fixed, CS/80, HP-IB	\$12,750.	N/A	N/A	\$ 80.	\$ 96.
7935H	404 Mbyte removable media device	22,950.	N/A	N/A	103.	130.
7911/12	Call Sales Response Center for information.					
7936H	307 Mbyte fixed disc drive	13,750.	N/A	N/A	33.	42.
7937H	571 Mbyte fixed disc drive	17,950.	N/A	N/A	40.	50.
7957A	81 Mbyte fixed disc drive	5,300.	\$13.	\$20.	32.	40.
7958A	130 Mbyte fixed disc drive	7,850.	14.	19.	33.	43.

Back-up Tape Drives

Product No./ Option No.	Description	Price	FMMC	PMMC	BMMC	SMMC
9144A	¼-inch Cartridge Tape Drive	\$ 3,570.	\$ 6.	\$11.	\$13.	\$ 17.
7974A	1600 cpi ½-inch Tape Drive	14,500.	N/A	N/A	80.	100.
Opt. 800	Adds 800 cpi capability	3,060.	N/A	N/A	14.	17.
7978B	6250/1600 cpi ½-inch Tape Drive	25,000	N/A	N/A	85.	106.
35401A	¼-inch Cartridge Autochanger Tape Drive	7,640.	N/A	N/A	35.	42.



Printers

Character Printers

Product No./ Option No.	Description	Price	FMMC	PMMC	BMMC	SMMC
2225A	150 cps Thinkjet™ Printer	\$ 495.	\$ 2.	\$ 4.	N/A	N/A
2932A Opt. 046	200 cps General-purpose Printer (dot matrix, impact) Replace RS-232 interface with HP-IB (required)	2,595. 150.	7. N/C	13. N/C	\$21. N/C	\$26. N/C
2934A Opt. 046	200 cps Business Printer (dot matrix, impact) Replace RS-232 interface with HP-IB (required)	2,995. 150.	8. N/C	15. N/C	24. N/C	30. N/C

Line Printers

Product No./ Option No.	Description	Price	FMMC	PMMC	BMMC	SMMC
2563B Opt. 114 Opt. 290 Opt. 850	300 lpm Impact Line Printer Deletes quietized cabinet, passive stacker, and sound enclosure HP 9000 HP-IB interface and 4m cable Configures the printer for use with SRM	\$ 7,490. -1,600. 440. 440.	N/A N/A N/A N/A	N/A N/A N/A N/A	\$ 47. N/A N/A N/A	\$ 59. N/A N/A N/A
2564B Opt. 114 Opt. 290 Opt. 850	600 lpm Impact Line Printer Deletes quietized cabinet, passive stacker, and sound enclosure, and adds non-quietized cabinet HP-IB CIPER interface for use with Series 300/500 Configures the printer for use with SRM	12,700. -1,500. 545. 545.	N/A N/A N/A N/A	N/A N/A N/A N/A	47. N/A N/A N/A	59. N/A N/A N/A
2566B Opt. 115 Opt. 290 Opt. 850	900 lpm Impact Line Printer Passive paper stacker HP-IB CIPER interface for use with Series 300/500 Configures the printer for use with SRM	22,200. 375. 545. 545.	N/A N/A N/A N/A	N/A N/A N/A N/A	175. N/A N/A N/A	219. N/A N/A N/A

Page Printers

Product No./ Option No.	Description	Price	FMMC	PMMC	BMMC	SMMC
2686D	8 ppm LaserJet 500 PLUS Laser Page Printer	\$ 4,495.	\$24.	\$47.	N/A	N/A

HP-HIL Peripherals

Product No./ Option No.	Description	Price	FMMC	PMMC	BMMC	SMMC
46060A	2-button, HP-HIL Mouse	\$ 148.	N/C	N/C	N/C	N/C
46081A	2.4 meter extension for HP-HIL and Audio	210.	N/C	N/C	N/C	N/C
46082A	15 meter remote extension for HP-HIL audio and RGB video	735.	N/C	N/C	N/C	N/C
46082B	30 meter remote extension for HP-HIL audio and RGB video	1,035.	N/C	N/C	N/C	N/C
46083A	HP-HIL Knob	190.	N/C	N/C	N/C	N/C
46084A	HP-HIL ID Module	185.	N/C	N/C	N/C	N/C
46085A	HP-HIL Control Dial Module	1,345.	N/C	N/C	N/C	N/C
46086A	HP-HIL button box with 32 user-definable buttons and one user programmable LED	890.	N/C	N/C	N/C	N/C
46087A Opt. 001	HP-HIL digitizer, ANSI A/ISO A4-size Adds the 46089A 4-button cursor with crosshair	810. 265.	N/C N/C	N/C N/C	N/C N/C	N/C N/C
46088A Opt. 001	HP-HIL digitizer, ANSI B/ISO A3-size Adds the 46089A 4-button cursor with crosshair	1,300. 265.	N/C N/C	N/C N/C	N/C N/C	N/C N/C
46089A	4-button cursor with crosshair	265.	N/C	N/C	N/C	N/C
46094A	Quadrature port allows devices using Logitech quadrature signals to be connected to HP-HIL interface	155.	N/C	N/C	N/C	N/C
46095A	3-button mouse interfaces to HP-HIL via 46094A Quadrature port	140.	N/C	N/C	N/A	N/A
35723A	Touchscreen Accessory (for 35731A, 35741A; cable included)	505.	N/C	N/C	N/C	N/C

Plotters and Other Graphic Devices

Product No./ Option No.	Description	Price	FMMC	PMMC	BMMC	SMMC
7440A Opt. 002	ColorPro Graphics Plotter; 8-pen, for A4/A-size media Replace RS-232 interface with HP-IB interface (required option)	\$ 1,295.	\$ 3. N/C	\$ 4. N/C	N/A N/C	N/A N/C
7475A Opt. 002	A...B-size, 6-Pen Plotter Replace RS-232 interface with HP-IB interface (required option)	1,895.	4. N/C	7. N/C	\$11. N/C	\$13. N/C
7550A	A...B-size, 8-Pen Plotter, sheet-feed	3,900.	10.	20.	32.	40.
7570A	DraftPro C...D size, 8-pen Plotter	5,400.	5.	10.	N/A	N/A
17570A	HP-IB cartridge for 7570A Plotter	295.	N/A	N/A	N/A	N/A
7595A	DraftMaster I A...D size, 8-pen Plotter	9,900.	10.	20.	N/A	N/A
7596A	DraftMaster II A...E size, 8-pen, Roll-feed Plotter	11,900.	10.	20.	N/A	N/A

Terminals and Displays

Product No./ Option No.	Description	Price	FMMC	PMMC	BMMC	SMMC
2393A Opt. 301	Monochrome Graphics Terminal U.S. Modem cable	\$ 2,135. 87.	\$ 3.	\$ 5.	N/A	\$10.
2397A Opt. 301	Color Graphics Terminal U.S. Modem cable	3,360. 87.	3.	6.	N/A	12.
45610BR	HP 150 Terminal	1,860.	9.	12.	N/A	25.
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	895. 895. 895.	2. 2. 2.	3. 3. 3.	N/A N/A N/A	5. 5. 5.
C1004A C1004G C1004W	HP 700/22 ANSI DEC VT220-compatible Terminal, 14-inch screen, 4 pages memory, 80/132 column, printer port. HP 700/22; amber screen HP 700/22; green screen HP 700/22; soft white screen	575. 575. 575.	2. 2. 2.	3. 3. 3.	N/A N/A N/A	5. 5. 5.
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	375. 375.	2. 2.	3. 3.	N/A N/A	5. 5.

Miscellaneous Peripherals

Product No./ Option No.	Description	Price	FMMC	PMMC	BMMC	SMMC
28641A	ThinMAU and "T" Connector (for ThinLAN)	\$ 350.	N/A	N/A	N/A	N/A
30241A	MAU and Tap (for thick LAN cable)	400.	N/A	N/A	N/A	N/A
37212A	1200 Baud Modem	1,060.	N/A	N/A	\$ 3.	\$ 4.
39800A	Programmable Bar Code Reader	945.	\$ 2.	\$ 4.	5.	6.
39801A	Bar Code Reader, 48-66 Hz, 120 Vac	835.	2.	4.	5.	6.
Opt. 210	48-66 Hz, 100 Vac		N/C	N/C	N/C	N/C
Opt. 222	48-66 Hz, 220 Vac		N/C	N/C	N/C	N/C
Opt. 224	48-66 Hz, 240 Vac		N/C	N/C	N/C	N/C
92205A	Hayes Smartmodem™ 1200 (U.S.), 60 Hz, 120 Vac	399.	N/A	N/A	N/A	N/A
92205C	Hayes Smartmodem™ 1200 (Canada), 60 Hz, 120 Vac	660.	N/A	N/A	N/A	N/A

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

HP 9000 Accessories

Product No.	Description	Price
92211L	Taboret Cabinet Rack for Model 550 and 325 mm-wide peripherals	\$ 239.
92211M	Taboret Cabinet Rack for 325 mm-wide peripherals	190.
92211R	HP Design Plus Mobile Mini-rack for 325 mm-wide peripherals	550.

HP 9000 Media

Product No.	Description	Price
92192A	Blank 3½", Double-sided Flexible Discs (box of 10)	\$ 49.
92191A	Blank 3½", Single-sided Flexible Discs (box of 10)	39.
92190A	Blank 5¼" Flexible Discs (box of 10)	32.
92195A	Blank 8" Flexible Discs (box of 10)	61.
88140LC	Certified, ¼-inch" Tape Cartridges, 600-foot (box of 5)	215.
88140SC	Certified, ¼-inch" Tape Cartridges, 150-foot (box of 5)	160.

98700H Graphics Display Station†

Product No./ Option No.	Description	Price	FMMC	PMMC	BMMC	SMMC
98700H	High-resolution graphics display station includes display controller with four planes of graphics memory, 19" high-resolution display (98782A), HP-HIL keyboard (U.S. ASCII version is 46020A), 2.4 meter extension for HP-HIL keyboard and Audio (46081A), and 3 meter RGB cable (98290A). Other localized version display stations are available; see the following list. Each localized version includes the localized keyboard, power cords and applicable manuals.	\$15,300.	N/A	\$36.	\$57.	\$72.
98700HC	Canadian French localized display station	15,300.	N/A	36.	57.	72.
98700HD	German localized display station	15,300.	N/A	36.	57.	72.
98700HE	European Spanish localized display station	15,300.	N/A	36.	57.	72.
98700HF	French localized display station	15,300.	N/A	36.	57.	72.
98700HH	Dutch localized display station	15,300.	N/A	36.	57.	72.
98700HJ	Katakana localized display station	15,300.	N/A	36.	57.	72.
98700HK	Universal English localized display station	15,300.	N/A	36.	57.	72.
98700HL	Canadian English localized display station	15,300.	N/A	36.	57.	72.
98700HM	Latin Spanish localized display station	15,300.	N/A	36.	57.	72.
98700HN	Norwegian localized display station	15,300.	N/A	36.	57.	72.
98700HP	Swiss German localized display station	15,300.	N/A	36.	57.	72.
98700HQ	Swiss French localized display station	15,300.	N/A	36.	57.	72.
98700HS	Swedish localized display station	15,300.	N/A	36.	57.	72.
98700HU	U.K. English localized display station	15,300.	N/A	36.	57.	72.
98700HW	Belgian Dutch localized display station	15,300.	N/A	36.	57.	72.
98700HX	Finnish localized display station	15,300.	N/A	36.	57.	72.
98700HY	Danish localized display station	15,300.	N/A	36.	57.	72.
98700HZ	Italian localized display station	15,300.	N/A	36.	57.	72.
Opt. 001	Deletes the local language keyboard and adds the U.S. ASCII keyboard. (Note: this option does not apply to the U.S. Model 98700H or 98700HK.)	N/C	N/A	N/A	N/A	N/A
Opt. 050	Display Station Buffer to connect the 98700H and the HP 9000 Model 550. (Must order this option.)	730.	N/A	N/C	N/C	N/C
Opt. 701	Extra four planes of graphics memory	2,795.	N/A	N/C	N/C	N/C
Opt. 710	Graphics Accelerator	7,450.	N/A	11.	18.	22.
Opt. 082	15 Meter Remote Extension	335.	N/A	N/C	N/C	N/C
Opt. 083	30 Meter Remote Extension	635.	N/A	N/C	N/C	N/C

† Designed for use on the HP 9000 Model 550 with the HP-UX 5.0 (Suffix 'C') or later operating system only.

98700H Accessory and Upgrade Products

Product No./ Option No.	Description	Price	FMMC	PMMC	BMMC	SMMC
46081A*	2.4 meter extension for HP-HIL and Audio	\$ 210.	N/C	N/C	N/C	N/C
46082A	15 meter remote extension for the HP-HIL, Audio and RGB video	735.	N/C	N/C	N/C	N/C
46082B	30 meter remote extension for the HP-HIL, Audio and RGB video	1,035.	N/C	N/C	N/C	N/C
98288A	Display station buffer to connect the 98700H to the HP 9000 Model 550	730.	N/A	N/C	N/C	N/C
98290A*	3 meter RGB cable	190.	N/A	N/C	N/C	N/C
98700A	Graphics Display Controller for use with the 98700H Graphics Display Station	8,560.	N/A	\$18.	\$28.	\$36.
98701A	Additional four planes of graphics memory for the 98700H	2,795.	N/A	N/C	N/C	N/C
98710A	Graphics accelerator for the 98700H	7,450.	N/A	11.	18.	22.

* Included with the 98700H.

HP 9000 Family Software Support Services

Hewlett-Packard's software support services span a broad range – from personal, on-site assistance to materials-only services. These levels give great flexibility in choosing the level of HP support to meet changing requirements.

The software support product structure is different for operating systems software and subsystem and applications software.

This guide contains software support information for languages, operating systems and subsystem software. Information on application software can be found in the *HP 9000 Software Pricing Guide*, Pub. No. 5954-7063D.

Operating Systems Support

The following services are available to support a central system:

Account Management Support (AMS) – Provides a local account SE, on-site assistance, one Response Center caller (a System Manager) and one alternate for telephone assistance, and Software Materials Subscription.

Response Center Support (RCS) – Provides one Response Center caller and one alternate for telephone assistance and Software Materials Subscription.

Software Materials Subscription (SMS) – Provides software and manual updates, *Software Status Bulletin*, and *HP communicator* magazine. Note: Updates to ROM-based operating systems are not provided.

The following services are available to support an additional system:

Additional System Coverage – Extends AMS or RCS coverage on the operating system to one additional system under the same System Manager. All support is delivered through the central system.

Extended Materials Support – Extends Software Materials Subscription by providing the right to make one copy of all central system materials for use on one additional system.

The following optional services are also available for central or additional systems:

Additional Response Center Caller – Provides one additional caller for access to the HP Response Center.

Manual Update Service (MUS) – Provides one copy of updates to software reference manuals.

Software Notification Service (SNS) – Provides issues of the *HP communicator* and *Software Status Bulletin*.

Subsystem and Application Software Support

Software Materials Subscription (SMS) – Provides software and manual updates, *Software Status Bulletin*, and *HP communicator* magazine. Note: SMS must be ordered for each piece of subsystem and application software on the system.

Extended Materials Support – Extends Software Materials Subscription by providing the right to make one copy of all central system materials for use on one additional system.

Manual Update Service (MUS) – Provides one copy of updates to software reference manuals. Note: MUS for application software is ordered at the software product level. MUS for subsystem software is ordered at the Category level (see tables).

In addition, all HP software, except operating systems, is separated into software support groups. For subsystem software, these groups are referred to as "Categories". For application software, they are referred to as "Families".

If AMS or RCS levels of support are selected for the operating system, Category and Family Support products must be ordered for subsystem and applications software respectively:

Family Support: Central System – Provides local assistance and/or access to the Response Center in accordance with the level of support selected for the family. Entitles customer to a new Response Center caller and an alternate for each family supported.

Family Support: Additional System Coverage – Extends Family Support on the central system to one additional system. All support is delivered through the central system.

Product Numbering for Support Services

A plus symbol followed by a three character suffix is attached to each software product in the following table. The first letter on the suffix identifies the software support service:

Letter	Software Support Service
C	Category Support
H	Response Center Support
P	Additional Response Center Caller
Q	Manual Update Service
S	Software Materials Subscription
T	Account Management Support
V	Additional System Coverage
W	Extended Materials Support

The second and third letters designate the media option, if one is required. A media option must always be specified for the operating system on a central system. If the software configuration on an additional system is not the same as, or a subset of, the central system, then a media option must be specified for the additional system.

For example, in the first line from the following list of Series 500 Operating Systems Support Services, the Response Center Support (RCS) is ordered for the BASIC 97050B operating system by specifying 97050B+H42. The 5¼" internal flexible disc is the media selected for material updates. The monthly costs for each service are shown below the three-character suffix.

Series 500 Operating Systems and Subsystem Software Support Services

Software Product No.	AMS	RCS	SMS	Additional System Coverage	Extended SMS	MUS	Additional Caller	SNS
97050B BASIC Operating System				+ V00* \$30/mo	+ W00* \$10/mo	+ Q00 \$5/mo	+ P00 \$100/mo	+ N00 \$8/mo
5¼" internal flexible disc option	+ T42 \$210/mo	+ H42 \$85/mo	+ S42 \$30/mo	+ V42 \$5/mo	+ W42 \$5/mo	N/A	N/A	N/A
97070C HP-UX for 9020, Single-user				+ V00* \$75/mo	+ W00* \$25/mo	+ Q00 \$10/mo	+ P00 \$100/mo	+ N00 \$10/mo
Tape cartridge	+ T22 \$380/mo	+ H22 \$190/mo	+ S22 \$95/mo	+ V22 \$95/mo	+ W22 \$45/mo	N/A	N/A	N/A
97078C for 9020, Multi-user (32 users)				+ V00* \$90/mo	+ W00* \$25/mo	+ Q00 \$10/mo	+ P00 \$100/mo	+ N00 \$10/mo
Tape cartridge	+ T22 \$440/mo	+ H22 \$230/mo	+ S22 \$115/mo	+ V22 \$10/mo	+ W22 \$10/mo	N/A	N/A	N/A
97079C HP-UX for 9050, Single-user				+ V00* \$75/mo	+ W00* \$20/mo	+ Q00 \$10/mo	+ P00 \$100/mo	+ N00 \$10/mo
Tape cartridge	+ T22 \$380/mo	+ H22 \$190/mo	+ S22 \$95/mo	+ V22 \$10/mo	+ W22 \$10/mo	N/A	N/A	N/A
97080C HP-UX for 9020, Multi-user (16 users)				+ V00* \$90/mo	+ W00* \$25/mo	+ Q00 \$10/mo	+ P00 \$100/mo	+ N00 \$10/mo
Tape cartridge	+ T22 \$420/mo	+ H22 \$220/mo	+ S22 \$105/mo	+ V22 \$10/mo	+ W22 \$10/mo	N/A	N/A	N/A
97088C for 9050, Multi-user (32 users)				+ V00* \$90/mo	+ W00* \$25/mo	+ Q00 \$10/mo	+ P00 \$100/mo	+ N00 \$10/mo
Tape cartridge	+ T22 \$440/mo	+ H22 \$230/mo	+ S22 \$110/mo	+ V22 \$110/mo	+ W22 \$45/mo	N/A	N/A	N/A
97089C HP-UX for 9050, Multi-user (16 users)				+ V00* \$85/mo	+ W00* \$25/mo	+ Q00 \$10/mo	+ P00 \$100/mo	+ N00 \$10/mo
Tape cartridge	+ T22 \$420/mo	+ H22 \$210/mo	+ S22 \$105/mo	+ V22 \$95/mo	+ W22 \$45/mo	N/A	N/A	N/A
97051C HP-UX 64-user license				+ V00 \$90/mo	+ W00 \$25/mo	+ Q00 \$10/mo	+ P00 \$100/mo	+ N00 \$10/mo
Tape cartridge	+ T22 \$460/mo	+ H22 \$230/mo	+ S22 \$115/mo	+ V22 \$110/mo	+ W22 \$45/mo	N/A	N/A	N/A

* V00 and W00 provide right to copy. If you require an additional set of software, you must also order the media option.

General Consulting Services

Field District (ID44)	Regular Hours	After Hours Weekday	Weekends or Holidays
Product Support Representative	51413A \$92/Hr.	51419A \$130/Hr.	51422A \$160/Hr.
Application Engineer (AE)	51414A \$115/Hr.	51420A \$160/Hr.	51423A \$200/Hr.
Specialist	51415A \$145/Hr.	51421A \$200/Hr.	51424A \$255/Hr.

Project Center (ID46)	Regular Hours	After Hours Weekday	Weekends or Holidays
Product Support Representative	35135G \$92/Hr.	35135H \$130/Hr.	35135K \$160/Hr.
Application Engineer (AE)	35135C \$115/Hr.	35135I \$160/Hr.	35135L \$200/Hr.
Specialist	35135D \$145/Hr.	35135J \$200/Hr.	35135M \$255/Hr.

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

Opt. 101	Zone 1 Travel Charge	\$120
Opt. 102	Zone 2 Travel Charge	210
Opt. 103	Zone 3 Travel Charge	280
Opt. 104	Zone 4 Travel Charge	440
Opt. 105	Beyond Zone 4 Travel Charge	Quote

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

51416A	Product Support Representative Daily Rate	\$ 780
51417A	Application Engineer Daily Rate	975
51418A	Specialist Daily Rate	1,230

Series 500 Training

Product	Description	HP Site	Customer Site*
35129B	System Administration for Series 500 (3 days)	\$600	\$4,800

* Courses can be given at suitably-equipped customer facilities. These courses, which carry an "X" suffix, are listed in the HP Corporate Price List.

General HP 9000 Training

Product	Description	HP Site	Customer Site*
35128A	Intro to HP-UX (5 days)	\$1,000	\$8,000
35130A	Programming in C (5 days)	1,000	8,000
50959A	Using SRM from BASIC and Pascal (1 day)	225	1,600
51432A	HP-UX Fundamentals for general users (5 days)	1,000	8,000
51433A	Shell Programming for general users (5 days)	1,000	1,000
51434A	HP-UX for Programmers (5 days)	1,000	8,000
51435A	Advanced HP-UX Tools (5 days)	1,000	8,000
51438A	SCCS and make Utility (2 days)	400	3,200
51439A	Advanced Editing with vi (1 day)	200	1,600
51440A	Document Preparation (3 days)	750	6,000
97005B	HP 9000 BASIC (3 days)	600	4,800
98501A	BASIC Programming (4 days)	800	6,500
98502A	9845 Operating and Programming (5 days)	1,000	8,000
98503A	BASIC I/O Programming (4 days)	900	6,400
98511B	Pascal Programming	1,000	8,000
98524A	HPL Operating and Programming (5 days)	1,000	8,000
98525A	HPL I/O Programming (4 days)	1,000	8,000.

* Courses can be given at suitably-equipped customer facilities. These courses, which carry an "X" suffix, are listed in the HP Corporate Price List.

For more information on all training courses, contact the local Hewlett-Packard Sales Office.

Purchase Plans

Contact one of the Hewlett-Packard worldwide Sales and Service offices for specific prices and plans.

Service

Hewlett-Packard maintains well-trained and well-equipped service departments at more than 170 offices worldwide to professionally handle our customers' maintenance and service requirements. Contact one of the HP Sales and Service offices for specific prices and plans.

Maintenance Services

Maintenance agreements are available for all HP computer system products to provide priority service response and a fixed, budgetable annual cost regardless of the amount of service actually required. If a maintenance agreement is not required, Hewlett-Packard also offers service at a Standard Repair Charge (STREP) that allows you to know the actual cost of repair before it is made. If neither a maintenance agreement nor STREP is the best solution, HP offers service on a time-and-materials basis.

Contact one of the HP worldwide Sales and Service offices for more details on these maintenance plans.

Warranty and Service

Warranty Statement

Hewlett-Packard products are warranted against defects in materials and workmanship. For Hewlett-Packard computer system products sold in the U.S.A. and Canada, this warranty applies for ninety (90) days from date of shipment.*

Hewlett-Packard will, at its option, repair or replace equipment which proves to be defective during the warranty period. This warranty includes labor, parts and surface travel costs, if any. Equipment returned to Hewlett-Packard for repair must be shipped freight prepaid. Repairs necessitated by misuse of the equipment, or by hardware, software or interfacing not provided by Hewlett-Packard are not covered by this warranty.

HP warrants that its software and firmware designated by HP for use with a CPU will execute its programming instructions when properly installed on that CPU. HP does not warrant that the operation of the CPU, software or firmware will be uninterrupted or error free.

NO OTHER WARRANTY IS EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTY OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. HEWLETT-PACKARD SHALL NOT BE LIABLE FOR CONSEQUENTIAL DAMAGES.

* For other countries, contact your local HP Sales and Service office to determine warranty terms.