

HP 9000 Series 300 Models 310 and 320 Pricing Information*



Effective date: August 1, 1985

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

System Configurations

The Series 300 is a completely modular product, allowing you to configure exactly the system that meets your needs. You can choose the processor, the display system, the memory, the interface cards, the peripherals, and the operating system that is appropriate for your own application. Additional details on support for out-of-production peripherals, RAM requirements for operating systems and utilities, and other items are available in the Series 300 Configuration Information and Order Guide, Part Number 98561-90020.

To make first-time ordering easy for you, we have configured four systems that include the components most likely to be needed for some typical applications. We put these systems together for you (set switches and power them up) at the factory to ensure that they are configured correctly and working before we ship them to you.

All Series 300 systems come standard with a one year warranty, return to HP for repair. You can specify option W03 to convert this to a 90 day, on-site repair warranty.

Hewlett-Packard offers various hardware and software support services. This pricing information guide lists prices for the hardware support services available for Series 300 along with the prices of the system configurations. These services include:

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 (SMMC)	Flat charge within Zone 1 (0-100 mile radius from the HP maintenance source).	Four Hours

Hardware support services can be arranged for annual, semi-annual, or quarterly billing cycles.

Software support services are also available, and are listed separately in the back of this guide.

Series 300 Bundled Systems

Product No./Option No.	Description	Price	FMMC	PMMC	BMMC	SMMC	Total
98580A	Measurement Automation System. Bundled monochrome system consisting of: 98561A SPU; 35731A Monitor; 46020A Keyboard; BASIC 4.0. Includes a 10 MHz MC68010 processor with built-in 1 Mbyte RAM; HP-IB, RS-232, HP-HIL and medium-resolution monochromatic video interfaces; a battery-backed real-time clock; a four-slot card cage for additional memory, I/O and accessory cards.	\$ 5,750.	\$ 6.	\$10.	\$17.	\$22.	
Opt. 002	Substitute ½ Mb (512 Kb) on-board RAM for standard 1 Mb.	-900.	N/C	N/C	N/C	N/C	
Opt. 008	Add 98546A Display Compatibility Interface	850.	N/C	N/C	N/C	N/C	
Opt. W03	Convert 1 year return-to-HP warranty to 90 day on-site repair.	N/C	N/A	N/A	N/A	N/A	
	Localized versions available include:						
98580AC	French Canadian localized system	5,750.	6.	10.	17.	22.	
98580AD	German localized system	5,750.	6.	10.	17.	22.	
98580AE	European Spanish localized system	5,750.	6.	10.	17.	22.	
98580AF	French localized system	5,750.	6.	10.	17.	22.	
98580AH	Dutch localized system	5,750.	6.	10.	17.	22.	
98580AJ	Katakana localized system	5,750.	6.	10.	17.	22.	
98580AK	ICON English localized system	5,750.	6.	10.	17.	22.	
98580AL	Canadian English localized system	5,750.	6.	10.	17.	22.	
98580AM	Latin Spanish localized system	5,750.	6.	10.	17.	22.	
98580AN	Norwegian localized system	5,750.	6.	10.	17.	22.	
98580AP	Swiss German localized system	5,750.	6.	10.	17.	22.	
98580AQ	Swiss French localized system	5,750.	6.	10.	17.	22.	
98580AS	Swedish localized system	5,750.	6.	10.	17.	22.	
98580AU	UK English localized system	5,750.	6.	10.	17.	22.	
98580AW	Belgian Dutch localized system	5,750.	6.	10.	17.	22.	
98580AX	Finnish localized system	5,750.	6.	10.	17.	22.	
98580AY	Danish localized system	5,750.	6.	10.	17.	22.	
98580AZ	Italian localized system	5,750.	6.	10.	17.	22.	

Series 300 Bundled Systems (cont'd)

Product No./ Option No.	Description	Price	FMMC	PMMC	BMMC	SMMC	Total
98581A*	Entry Design Automation System. Bundled color system consisting of: 98561A SPU opt 003; 98543A medium-resolution color Video Board; 35741A 12-inch Color Monitor; 46020A Keyboard. Includes a 10 MHz MC68010 processor with built-in 1 Mbyte RAM; HP-IB, RS-232, HP-HIL interfaces; a battery-backed real-time clock; a four-slot card cage for additional memory, I/O and accessory cards.	\$ 7,850.	\$ 5.	\$10.	\$15.	\$20.	
Opt. 008	Add 98546A Display Compatibility Interface	850.	N/C	N/C	N/C	N/C	
Opt. W03	Convert 1 year return-to HP warranty to 90 day on-site warranty.	N/C	N/A	N/A	N/A	N/A	
	Localized versions available include:						
98581AC	French Canadian localized system	7,850.	5.	10.	15.	20.	
98581AD	German localized system	7,850.	5.	10.	15.	20.	
98581AE	European Spanish localized system	7,850.	5.	10.	15.	20.	
98581AF	French localized system	7,850.	5.	10.	15.	20.	
98581AH	Dutch localized system	7,850.	5.	10.	15.	20.	
98581AJ	Katakana localized system	7,850.	5.	10.	15.	20.	
98581AK	ICON English localized system	7,850.	5.	10.	15.	20.	
98581AL	Canadian English localized system	7,850.	5.	10.	15.	20.	
98581AM	Latin Spanish localized system	7,850.	5.	10.	15.	20.	
98581AN	Norwegian localized system	7,850.	5.	10.	15.	20.	
98581AP	Swiss German localized system	7,850.	5.	10.	15.	20.	
98581AQ	Swiss French localized system	7,850.	5.	10.	15.	20.	
98581AS	Swedish localized system	7,850.	5.	10.	15.	20.	
98581AU	UK English localized system	7,850.	5.	10.	15.	20.	
98581AW	Belgian Dutch localized system	7,850.	5.	10.	15.	20.	
98581AX	Finnish localized system	7,850.	5.	10.	15.	20.	
98581AY	Danish localized system	7,850.	5.	10.	15.	20.	
98581AZ	Italian localized system	7,850.	5.	10.	15.	20.	
98582A	High-performance Computer-aided Engineering System. Bundled high-resolution monochrome system consisting of: 98561B SPU; 98257A RAM Card; 98544A high-resolution monochrome Video Board; 98781A 17-inch monochrome Monitor; 46020A Keyboard. The SPU includes the 16.6 MHz MC68020 processor with the MC68881 Floating Point coprocessor, 2 Mbytes RAM; HP-IB, RS-232, HP-HIL interfaces; a battery-backed real-time clock; one I/O card slot is available for adding a memory, I/O or accessory card.	18,925.	11.	21.	34.	42.	
Opt. W03	Convert 1 year return-to HP warranty to 90 day on-site repair.	N/C	N/A	N/A	N/A	N/A	
	Localized versions available include:						
98582AC	French Canadian localized system	18,925.	11.	21.	34.	42.	
98582AD	German localized system	18,925.	11.	21.	34.	42.	
98582AE	European Spanish localized system	18,925.	11.	21.	34.	42.	
98582AF	French localized system	18,925.	11.	21.	34.	42.	
98582AH	Dutch localized system	18,925.	11.	21.	34.	42.	
98582AJ	Katakana localized system	18,925.	11.	21.	34.	42.	
98582AK	ICON English localized system	18,925.	11.	21.	34.	42.	
98582AL	Canadian English localized system	18,925.	11.	21.	34.	42.	
98582AM	Latin Spanish localized system	18,925.	11.	21.	34.	42.	
98582AN	Norwegian localized system	18,925.	11.	21.	34.	42.	
98582AP	Swiss German localized system	18,925.	11.	21.	34.	42.	
98582AQ	Swiss French localized system	18,925.	11.	21.	34.	42.	
98582AS	Swedish localized system	18,925.	11.	21.	34.	42.	
98582AU	UK English localized system	18,925.	11.	21.	34.	42.	
98582AW	Belgian Dutch localized system	18,925.	11.	21.	34.	42.	
98582AX	Finnish localized system	18,925.	11.	21.	34.	42.	
98582AY	Danish localized system	18,925.	11.	21.	34.	42.	
98582AZ	Italian localized system	18,925.	11.	21.	34.	42.	

*This system is not available until September, 1985.

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Series 300 Bundled Systems (cont'd)

Product No./ Option No.	Description	Price	FMMC	PMMC	BMMC	SMMC	Total
98583A	High-performance Design Automation System. Bundled High-Resolution Color system consisting of: 98561B SPU; 98545A High resolution color Video Board; 98782A 19-inch Color monitor; 98568A Eight-slot expander; 98620B DMA controller; 98625A High speed disk interface; 46020A Keyboard; 46081A 2.4 meter HP-HIL extension. Includes the 16.6 MHz MC68020 processor, the MC68881 Floating Point co-processor, 2 Mbytes RAM, HP-IB, RS-232, HP-HIL interfaces, and a battery-backed real time-clock. Seven I/O card slots are available for additional memory, I/O, and accessory cards.	\$27,725.	N/A	\$33.	\$53.	\$66.	
Opt. W03	Convert 1 year return-to HP warranty to 90 day on-site repair.	N/C	N/A	N/A	N/A	N/A	
	Localized versions available include:						
98583AC	French Canadian localized system	27,725.	N/A	33.	53.	66.	
98583AD	German localized system	27,725.	N/A	33.	53.	66.	
98583AE	European Spanish localized system	27,725.	N/A	33.	53.	66.	
98583AF	French localized system	27,725.	N/A	33.	53.	66.	
98583AH	Dutch localized system	27,725.	N/A	33.	53.	66.	
98583AJ	Katakana localized system	27,725.	N/A	33.	53.	66.	
98583AK	ICON English localized system	27,725.	N/A	33.	53.	66.	
98583AL	Canadian English localized system	27,725.	N/A	33.	53.	66.	
98583AM	Latin Spanish localized system	27,725.	N/A	33.	53.	66.	
98583AN	Norwegian localized system	27,725.	N/A	33.	53.	66.	
98583AP	Swiss German localized system	27,725.	N/A	33.	53.	66.	
98583AQ	Swiss French localized system	27,725.	N/A	33.	53.	66.	
98583AS	Swedish localized system	27,725.	N/A	33.	53.	66.	
98583AU	UK English localized system	27,725.	N/A	33.	53.	66.	
98583AW	Belgian Dutch localized system	27,725.	N/A	33.	53.	66.	
98583AX	Finnish localized system	27,725.	N/A	33.	53.	66.	
98583AY	Danish localized system	27,725.	N/A	33.	53.	66.	
98583AZ	Italian localized system	27,725.	N/A	33.	53.	66.	

General descriptions of the 98561A and 98561B SPUs can be found in the following section of this document. More complete technical descriptions are in the HP 9000 Series 300 Hardware Technical Data sheet, Publication Number 5953-9572.



Series 300 Modular Components

Custom ordering a Series 300 system is easy. The following guide will be useful in successfully configuring a system that meets your needs exactly.

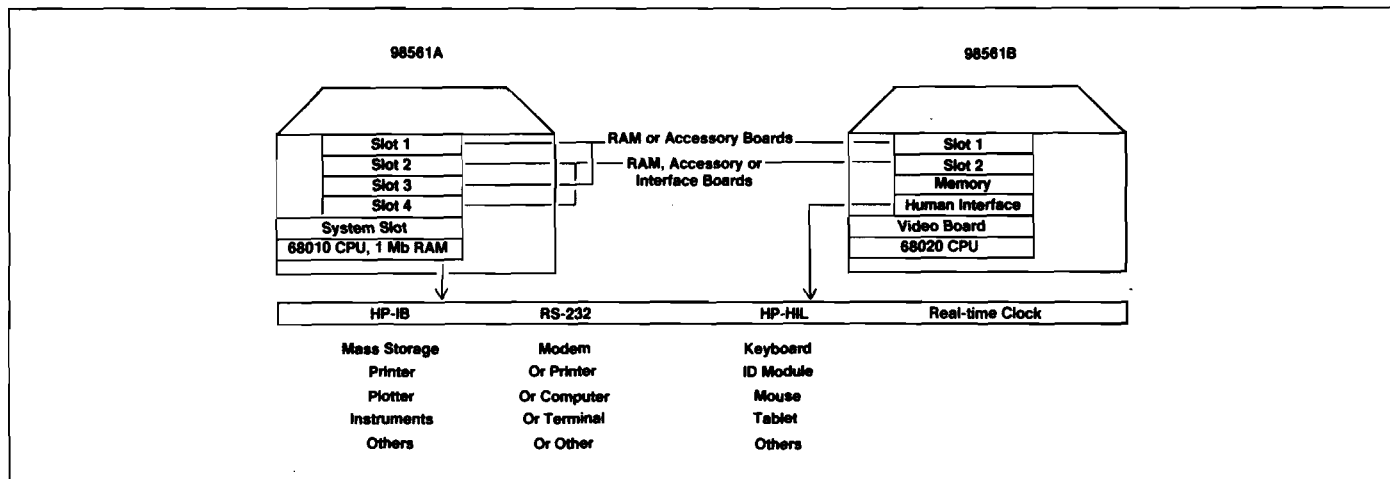
You Will Need:

- SPU (System Processing Unit). Includes box with power supply, processor board, memory and HP-IB, RS-232, HP-HIL, interfaces with a real-time clock.
- Keyboard
- Video Board (to generate video signals for a matching monitor)
- Monitor (to display signals generated by the appropriate video board)
- Mass Storage – pick the mass storage best suited to your needs.
- An Operating System

You May Want to Add:

- Additional RAM Cards
- Interface Cards
- An Expander Box
- Plotter
- Modem
- Additional HP-HIL Input Devices
- Tabouret cabinets, accessories, or other furniture
- Additional graphics devices or terminals
- Printer

Use the following diagram to help you visualize the accessories that can be added to the Series 300 and how they connect to the system.



System Processor Unit (SPU)

Product No./Option No.	Description	Price	FMMC	PMCC	BMMC	SMMC	Total
98561A	SPU with 10 MHz MC68010 processor. Includes 1 Mbyte built-in RAM; HP-IB, RS-232, audio, HP-HIL and 512x400 B/W bit-mapped display interfaces. A battery-backed real-time clock is standard. SPU includes slot for CPU board and slot for display board, plus four I/O slots for additional memory or I/O cards. Keyboard and monitor are not included.	\$ 4,750.	\$ 5.	\$ 9.	\$15.	\$19.	
Opt. 002	Delete ½ Mbyte of on-board RAM (leaving ½ Mbyte). Retains built-in display interface.	-900.	N/C	N/C	N/C	N/C	
Opt. 003	Delete built-in display interface. (Order appropriate display board and monitor below). CPU board will have 1 Mbyte RAM on-board but no display interface.	-500.	N/C	N/C	N/C	N/C	
Opt. 004	Delete four-slot I/O card cage. SPU box will be delivered with slots for CPU board and display board only. The I/O card cage upgrade can be ordered later as Part Number 98242A.	-350.	N/C	N/C	N/C	N/C	
Opt. W03	Convert 1 year return-to-HP warranty to 90 day on-site repair.	N/C	N/A	N/A	N/A	N/A	
98561AD	Localized SPU versions available: German	4,750.	5.	9.	15.	19.	
98561AE	Spanish	4,750.	5.	9.	15.	19.	
98561AF	French	4,750.	5.	9.	15.	19.	
98561AJ	Katakana	4,750.	5.	9.	15.	19.	
98561AZ	Italian	4,750.	5.	9.	15.	19.	

System Processor Unit (SPU) (cont'd)

Product No./Option No.	Description	Price	FMMC	PMMC	BMMC	SMMC	Total
98561B	32-bit SPU with 16 MHz MC68020 processor board which includes a 16 Kbyte cache and MC68881 floating point coprocessor. The SPU also contains the HP-IB/HP-HIL/RS-232/battery-backed real-time clock interface board and 1 Mbyte RAM board. Two DIO slots are available for adding additional memory or I/O. Keyboard, video board and monitor are not included.	\$11,800.	\$ 7.	\$13.	\$21.	\$26.	
Opt. W03	Convert 1 year return-to-HP warranty to 90 day on-site repair.	N/C	N/A	N/A	N/A	N/A	
	Localized SPU versions available:						
98561BD	German	11,800.	7.	13.	21.	26.	
98561BE	Spanish	11,800.	7.	13.	21.	26.	
98561BF	French	11,800.	7.	13.	21.	26.	
98561BJ	Katakana	11,800.	7.	13.	21.	26.	
98561BZ	Italian	11,800.	7.	13.	21.	26.	

SPU Accessories

Product No./Option No.	Description	Price	FMMC	PMMC	BMMC	SMMC	Total
98568A	Direct connect passive I/O expander for Series 300 SPU's. Attaches directly to 98561A or 98561B, adding eight I/O slots for additional memory, I/O or accessory cards.	\$ 1,900.	\$ 1.	\$ 2.	\$ 3.	\$ 4.	
98567A	EIA rack mounting kit for the 35731A 12-inch monitor						
98569A	EIA rack mounting kit for Series 300 SPU						

Video Boards

Product No./Option No.	Description	Price	FMMC	PMMC	BMMC	SMMC	Total
98542A	Medium-resolution monochrome video board (Order 35731A monitor)	\$ 800.	N/C	N/C	N/C	N/C	
98543A	Medium-resolution color video board (Order 35741A monitor)	2,400.	N/C	N/C	N/C	N/C	
98544A	High-resolution monochrome video board (Order 98781A monitor)	1,400.	N/C	N/C	N/C	N/C	
98545A	High-resolution color video board (Order 98782A monitor)	4,500.	N/C	N/C	N/C	N/C	
98546A	Display Compatibility Interface Medium-resolution monochrome alpha/graphics video board set for Series 200 display compatibility (Order 35731A monitor)	850.	N/C	N/C	N/C	N/C	

Monitors

Product No./Option No.	Description	Price	FMMC	PMMC	BMMC	SMMC	Total
35731A/B	12-inch Monochrome Monitor, 60 Hz, 115 Vac (for use with 98542A video board or 98561A video output).	\$ 325.	\$ 1.	\$ 2.	\$ 3.	\$ 4.	
35741A/B*	12-inch Color Monitor, 60 Hz, 115 Vac (for use with 98543A video board).						
98781A	17-inch High-resolution Monochrome Monitor, 60 Hz, 115 Vac (for use with 98544A video board).	3,500.	4.	8.	13.	N/A	
98782A	19-inch High-resolution Color Monitor, 60 Hz, 115 Vac (for use with 98545A video board and 98700H Graphics Display System).	6,050.	N/A	18.	29.	36.	

*This monitor is not available until September, 1985.



98700H Graphics Display Station

Product No./ Option No.	Description	Price	FMMC	PMMC	BMMC	SMMC	Total
98700H	High-resolution graphics display station includes display controller with four planes of graphics memory, 19" high-resolution monitor (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.	\$15,000.	N/A	\$36.	\$57.	\$72.	
98700HC	Canadian French localized display station	15,000.	N/A	36.	57.	72.	
98700HD	German localized display station	15,000.	N/A	36.	57.	72.	
98700HE	European Spanish localized display station	15,000.	N/A	36.	57.	72.	
98700HF	French localized display station	15,000.	N/A	36.	57.	72.	
98700HH	Dutch localized display station	15,000.	N/A	36.	57.	72.	
98700HJ	Katakana localized display station	15,000.	N/A	36.	57.	72.	
98700HK	Universal English localized display station	15,000.	N/A	36.	57.	72.	
98700HL	Canadian English localized display station	15,000.	N/A	36.	57.	72.	
98700HM	Latin Spanish localized display station	15,000.	N/A	36.	57.	72.	
98700HN	Norwegian localized display station	15,000.	N/A	36.	57.	72.	
98700HP	Swiss German localized display station	15,000.	N/A	36.	57.	72.	
98700HQ	Swiss French localized display station	15,000.	N/A	36.	57.	72.	
98700HS	Swedish localized display station	15,000.	N/A	36.	57.	72.	
98700HU	U.K. English localized display station	15,000.	N/A	36.	57.	72.	
98700HW	Belgian Dutch localized display station	15,000.	N/A	36.	57.	72.	
98700HX	Finnish localized display station	15,000.	N/A	36.	57.	72.	
98700HY	Danish localized display station	15,000.	N/A	36.	57.	72.	
98700HZ	Italian localized display station	15,000.	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. 030	Interface to connect the 98700H and the HP 9000 Series 300.	655.	N/A	N/C	N/C	N/C	
Opt. 701	Extra four planes of graphics memory	2,740.	N/A	N/C	N/C	N/C	
Opt. 710	Graphics Accelerator	7,310.	N/A	11.	18.	22.	
Opt. 082	15 Meter Remote Extension	330.	N/A	N/C	N/C	N/C	
Opt. 083	30 Meter Remote Extension	625.	N/A	N/C	N/C	N/C	

* Cannot be ordered separately.

RAM

Product No./ Option No.	Description	Price	FMMC	PMMC	BMMC	SMMC	Total
98256A	256 Kbyte RAM Card	\$ 600.	N/C	N/C	N/C	N/C	
98257A	1 Mbyte RAM Card with parity check	2,000.	N/C	N/C	N/C	N/C	

HP-HIL Input Devices*

Product No./ Option No.	Description	Price	FMMC	PMMC	BMMC	SMMC	Total
46020A	HP-HIL Keyboard (U.S. ASCII version)	\$ 225.	N/C	N/C	N/C	N/C	
	Localized versions available include:						
46020AC	French Canadian localized system	225.	N/C	N/C	N/C	N/C	
46020AD	German localized system	225.	N/C	N/C	N/C	N/C	
46020AE	European Spanish localized system	225.	N/C	N/C	N/C	N/C	
46020AF	French localized system	225.	N/C	N/C	N/C	N/C	
46020AH	Dutch localized system	225.	N/C	N/C	N/C	N/C	
46020AJ	Katakana localized system	225.	N/C	N/C	N/C	N/C	
46020AK	ICON English localized system	225.	N/C	N/C	N/C	N/C	
46020AL	Canadian English localized system	225.	N/C	N/C	N/C	N/C	
46020AM	Latin Spanish localized system	225.	N/C	N/C	N/C	N/C	
46020AN	Norwegian localized system	225.	N/C	N/C	N/C	N/C	
46020AP	Swiss German localized system	225.	N/C	N/C	N/C	N/C	
46020AQ	Swiss French localized system	225.	N/C	N/C	N/C	N/C	
46020AS	Swedish localized system	225.	N/C	N/C	N/C	N/C	
46020AU	UK English localized system	225.	N/C	N/C	N/C	N/C	
46020AW	Belgian Dutch localized system	225.	N/C	N/C	N/C	N/C	
46020AX	Finnish localized system	225.	N/C	N/C	N/C	N/C	
46020AY	Danish localized system	225.	N/C	N/C	N/C	N/C	
46020AZ	Italian localized system	225.	N/C	N/C	N/C	N/C	
46060A	HP-HIL Mouse	148.	N/C	N/C	N/C	N/C	
46080A	2.4 meter extension for HP-HIL	48.	N/C	N/C	N/C	N/C	
46081A	2.4 meter extension for HP-HIL and Audio	205.	N/C	N/C	N/C	N/C	
46082A	15 meter remote extension for HP-HIL, Audio and RGB video	720.	N/C	N/C	N/C	N/C	
46082B	30 meter remote extension for HP-HIL, Audio and RGB video	1,010.	N/C	N/C	N/C	N/C	
46083A	HP-HIL Knob	170.	N/C	N/C	N/C	N/C	
46084A	HP-HIL Security ID Module	150.	N/C	N/C	N/C	N/C	
46085A	HP-HIL Control Dial Module	1,200.	N/C	N/C	N/C	N/C	
46086A	HP-HIL 32-button box with 32 user-definable buttons and one user programmable LED	795.	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	735. 235.	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 B-size Adds the 46089A 4-button cursor with crosshair	1,160. 235.	N/C N/C	N/C N/C	N/C N/C	N/C N/C	
46089A	4-button cursor with crosshair for 46087/88	235.	N/C	N/C	N/C	N/C	
35723A	HP-HIL Touchscreen bezel (for 12-inch monitors 35731A and 35741A)	300.	N/C	N/C	N/C	N/C	

For detailed information on model numbers and operating system revisions that support these peripherals, please refer to the Series 300 Support Matrix or Series 300 Configuration Reference Manual, Part Number 98561-90020.

Upgrades

Product No./ Option No.	Description	Price	FMMC	PMMC	BMMC	SMMC	Total
98242A	I/O Card Cage Upgrade Kit. Four slot I/O Card Cage for 98561A having no built-in I/O (Opt. 004)	\$ 450.	N/C	N/C	N/C	N/C	
98243A	Series 300 Processor Upgrade Kit. Upgrade 98561A SPU to 98561B status. Includes HP-IB/HP-HIL/RS-232/ battery-backed real-time clock interface card.	6,000.	N/C	N/C	N/C	N/C	
98701A	Additional four planes of graphics memory for the 98700H	2,740.	N/A	N/C	N/C	N/C	
98710A	Graphics Accelerator for the 98700H	7,310.	N/A	\$11.	\$18.	\$22.	

Interface Products for Series 300

Product No./ Option No.	Description	Price	FMMC	PMMC	BMMC	SMMC	Total
50961A Opt. 200	Resource Management Coax Adapter and Interface for Series 200 systems	\$ 945.	N/C	N/C	N/C	N/C	
98253A	EPROM Programmer Interface (98255A)	1,500.	N/C	N/C	N/C	N/C	
98255A	EPROM Card, 16 sockets for 2764 or 27128 EPROM ICs	300.	N/C	N/C	N/C	N/C	
98256A	256 Kbyte RAM Card	600.	N/C	N/C	N/C	N/C	
98257A	1 Mbyte RAM Card with parity check	2,000.	N/C	N/C	N/C	N/C	
98259A	128 Kbyte Magnetic Bubble Memory Card	1,900.	N/C	N/C	N/C	N/C	
98287A	Interface to connect the Series 300 to the 98700H	655.	N/A	N/C	N/C	N/C	
98568A	Series 300 Bus Expander	1,900.	\$ 1.	\$ 2.	\$ 3.	\$ 4.	
98620B	Two-channel DMA Controller Card	500.	N/C	N/C	N/C	N/C	
98622A Opt. 001 Opt. 002 Opt. 003 Opt. 004	16-bit GPIO Interface Card Provides 4.6m unterminated cable (P/N 5061-4209) Provides 0.8m terminated cable for 9885M Flexible Disc Drive (P/N 5061-4211) Provides 4.6m terminated cable for 6940A/B Multiprogrammer (P/N 5061-4210) Provides 2.5m terminated cable for 9866A/B Thermal Printer (P/N 5061-4212)	355. 100. 100. 130. 175.	N/C N/C N/C N/C N/C	N/C N/C N/C N/C N/C	N/C N/C N/C N/C N/C	N/C N/C N/C N/C N/C	
98623A Opt. 001	43-line BCD Interface Card Provides 4.6m unterminated cable (P/N 5061-4217)	385. 105.	N/C N/C	N/C N/C	N/C N/C	N/C N/C	
98624A	HP-IB Interface, standard speed 1m HP-IB cable, P/N 10833A 2m HP-IB cable, P/N 10833B 4m HP-IB cable, P/N 10833C 0.5m HP-IB cable, P/N 10833D	330. 81. 91. 101. 81.	N/C N/C N/C N/C N/C	N/C N/C N/C N/C N/C	N/C N/C N/C N/C N/C	N/C N/C N/C N/C N/C	
98625A	HP-IB Disc Interface, high speed	605.	N/C	N/C	N/C	N/C	
98626A Opt. 001 Opt. 002	RS-232C (Serial) Interface Provides DTE (male) RS-232C cable (P/N 5061-4215) Provides DCE (female) RS-232C cable (P/N 5061-4216)	380. 75. 75.	N/C N/C N/C	N/C N/C N/C	N/C N/C N/C	N/C N/C N/C	
98627A	RGB Color Video Output Interface with cables	1,010.	N/C	N/C	N/C	N/C	
98628A Opt. 001 Opt. 002 Opt. 003	Datacomm Interface Provides DTE (male) RS-232C cable (P/N 5061-4215) Provides DCE (female) RS-232C cable (P/N 5061-4216) Provides DCE (female) RS-449/423 cable (P/N 5061-4250)	485. 85. 85. 175.	N/C N/C N/C N/C	N/C N/C N/C N/C	N/C N/C N/C N/C	N/C N/C N/C N/C	
98629A	Shared Resource Management Interface	655.	N/C	N/C	N/C	N/C	
98630A Opt. 001	Breadboard Interface Service Extender	320. 100.	N/C N/C	N/C N/C	N/C N/C	N/C N/C	
98633A	6944A Multiprogrammer Interface	350.	N/C	N/C	N/C	N/C	
98635A	Floating Point Math Card	975.	N/C	N/C	N/C	N/C	
98640A Opt. 001 Opt. 630 Opt. 655	7-channel ADC Interface Deletes diagnostic software and test hood Provides diagnostic software on 3½" floppy Provides diagnostic software on 5¼" floppy	990. -75. N/C N/C	N/C N/C N/C N/C	N/C N/C N/C N/C	N/C N/C N/C N/C	N/C N/C N/C N/C	
98641A	IBM™ RJE 2780/3780 Interface	1,250.	N/C	N/C	N/C	N/C	
98642A Opt. 001	4-port RS-232C MUX Interface Deletes cable	600. -100.	N/C N/C	N/C N/C	N/C N/C	N/C N/C	
98643A Opt. 241	LAN/300 Link with ThinMAU (requires 50951A or 50952A) Delete ThinMAU and Tee Connector	1,300. -350.	N/C N/C	N/C N/C	N/C N/C	N/C N/C	
98644A	RS-232C Serial Interface	190.	N/C	N/C	N/C	N/C	
98690A Opt. 630 Opt. 650 Opt. 655	PDI Development Package for 98691A For use with 3½" external flexible disc drives For use with 5¼" external flexible disc drives For use with 5¼" internal flexible disc drives	405. N/C N/C N/C	N/C N/C N/C N/C	N/C N/C N/C N/C	N/C N/C N/C N/C	N/C N/C N/C N/C	
98691A Opt. 001 Opt. 002 Opt. 003	Programmable Datacomm Interface Provides DTE (male) RS-232C cable (P/N 5061-4215) Provides DCE (female) RS-232C cable (P/N 5061-4216) Provides DTE (male) RS-449/423 cable (P/N 5061-4250)	650. 95. 95. 175.	N/C N/C N/C N/C	N/C N/C N/C N/C	N/C N/C N/C N/C	N/C N/C N/C N/C	

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Series 300 Operating and Language Systems

HP-UX Operating System

Product/Option Number		Description	Price (U.S. List)	
Single-user	Multi-user*		Single-user	Multi-user
	97033A	HP-UX 5.0 Operating System. Includes: HP Windows/9000, Personal Applications Manager (PAM), C Compiler, FORTRAN 77 Compiler, Pascal Compiler, MC680x0 Assembler, Symbolic Debugger, RS-232 Data Communications, Device I/O Library, Starbase Graphics Library and DGL/AGP Graphics Library. Software on 1/4-inch tape cartridge.		
	Opt. 022			\$ 4,000.
98515A		HP-UX 5.1 Application Execution Environment. Includes HP-UX kernel, Installation Software, HP Windows/9000 and PAM. (Order either media Opt. 022 or Opt. 045 below.) Software on 1/4-inch tape cartridge. Software on 3 1/2-inch double-sided discs.		
Opt. 022 Opt. 045			\$ 350. 350.	
98517A	98597A	HP-UX 5.1 Programming Environment. Includes commands, C Compiler, MC680X0 Assembler, Symbolic Debugger, RS-232 Data Communications, Device I/O Library and Starbase Graphics Library. Requires 98515A. (Order either media Opt. 022 or Opt. 045 below.) Software on 1/4-inch tape cartridge. Software on 3 1/2-inch double-sided discs. Single-user to Multi-user system upgrade. Requires prior purchase of 98517A.		
Opt. 022 Opt. 045	Opt. 022 Opt. 045 Opt. 003		900. 900.	1,440. 1,440. -720.
98518A	98598A	HP-UX 5.1 FORTRAN 77 Compiler. Requires purchase of 98517A. (Order either Opt. 022 or Opt. 045 below.) Software on 1/4-inch tape cartridge. Software on 3 1/2-inch double-sided discs. Single-user to Multi-user system upgrade. Requires prior purchase of 98518A.		
Opt. 022 Opt. 045	Opt. 022 Opt. 045 Opt. 003		500. 500.	800. 800. -400.
98519A	98599A	HP-UX 5.1 Pascal Compiler. Requires 98517A. (Order either media Opt. 022 or Opt. 045 below.) Software on 1/4-inch tape cartridge. Software on 3 1/2-inch double-sided discs. Single-user to Multi-user system upgrade. Requires prior purchase of 98519A.		
Opt. 022 Opt. 045	Opt. 022 Opt. 045 Opt. 003		500. 500.	800. 800. -400.
98520A	98600A	HP-UX 5.1 DGL/AGP Graphics Library. Requires 98517A. (Order either media Opt. 022 or Opt. 045 below.) Software on 1/4-inch tape cartridge. Software on 3 1/2-inch double-sided discs. Single-user to Multi-user system upgrade. Requires prior purchase of 98520A.		
Opt. 022 Opt. 045	Opt. 022 Opt. 045 Opt. 003		1,000. 1,000.	1,600. 1,600. -800.
50951A	50952A	NS/9000 Series 300 Networking Software for HP-UX Requires 98643A LAN/300 interface. Software on 1/4-inch tape cartridge. Software on 3 1/2-inch discs.		
Opt. 022 Opt. 045	Opt. 022 Opt. 045		395. 395.	995. 995.
98693A	98693A	SRM Access Utilities for HP-UX Software on 1/4-inch tape cartridge Software on 3 1/2-inch double-sided disc		
Opt. 022 Opt. 045	Opt. 022 Opt. 045		500. 500.	500. 500.
98797A	98798A	RJE software for HP-UX. (requires 98641A interface) Software on 1/4-inch cartridge tape	1,010.	2,525.
98797M	98798M	RJE software for HP-UX Right to reproduce one copy without right to sublicense	505.	1,265.
98797R	98798R	RJE software for HP-UX Right to reproduce one copy with right to sublicense	505.	1,265.

* Multi-users systems are licensed to a maximum of 16 users.

BASIC 4.0 Language System

Product No.	Description	Price	Total
98613B	RAM-based BASIC 4.0 Language System. Includes one system disc set, BASIC 4.0 Manual Kit and BASIC 4.0 Utilities Pack. (Order one disc media option below.)	\$ 860.	
Opt. 001	Upgrade from a previous BASIC Language system.	-340.	
98613R	Right to Reproduce BASIC Language System. Includes BASIC 4.0 Language Manual Set and right-to-reproduce certificate.	430.	
Opt. 001	Discount for second and subsequent upgrades from previous versions of BASIC Language Systems.	-170.	
Opt. 100	Delete Manuals	-90.	

Pascal 3.1 Language System

Product No.	Description	Price	Total
98615C	RAM-based Pascal 3.1 Language System. Includes system disc set and Pascal 3.1 Manual Set. (Order one disc media option below.)	\$ 995.	
Opt. 001	Upgrade from previous version of Pascal Language System.	-400.	
98615R	Right to Reproduce Pascal Language System. Includes Pascal 3.1 Language Manual Set and right-to-reproduce certificate.	500.	
Opt. 001	Discount for second and subsequent upgrades from previous versions of Pascal Language Systems.	-200.	
Opt. 100	Delete Manuals	-110.	
98615E	Right to Execute , for stand-alone applications using portions of the Pascal Language System.	250	
Opt. A01	99 additional Right to Execute (100 total).	4750	

Media Options

Specify one media option for each BASIC or Pascal Language System ordered above.

- Opt. 042 Software on 5¼-inch disc.
- Opt. 044 Software on 3½-inch disc, single-sided format.
- Opt. 045 Software on 3½-inch disc, double-sided format.

Shared Resource Management (SRM)

SRM Servers

Product No./Option No.	Description	Price	FMMC	PMMC	BMMC	SMMC	Total
50960S	SRM Server System including 50960A server, 82913A monitor, 98619A SRM operating system, and 46020A keyboard (U.S. ASCII version only)	\$ 6,995.	\$ 7.	\$12.	\$19.	\$25.	
50960A	SRM Server including 98619A operating system, 50961A Opt. 200 coax adapter and interface, interfaces for video monitor and keyboard, CPU, ½ Mbyte RAM memory, DMA, HP-IB in 325mm wide case. Must order 82913A monitor and 46020A keyboard separately. Requires 9888A bus expander for more than one SRM interface.	6,445.	5.	10.	16.	20.	
98619A	SRM Operating System including software and manual. Requires 50960A/S or 9920A Option 500 configurations. Must order option.	2,000	N/A	N/A	N/A	N/A	
Opt. 022	Software provided on ¼-inch cartridge tape	N/C					
Opt. 001	Upgrade from previous SRM Operating System.	-800.					
9920A	SRM Server System	4,500.	—	—	—	—	
Opt.500	9920A Option 500 includes: • Model 220 computer • 98256A 256 Kbyte RAM boards (2 each) • 98620B DMA controller board • 98625A high-speed HP-IB interface • 98203A keyboard • 98204A composite video interface • 98028A SRM multiplexer • 98629A SRM interface • 98619A SRM operating system Also requires 82912A or 82913A monitor.	5,500.	—	—	—	—	

SRM Workstation Hardware

Product No./ Option No.	Description	Price	FMMC	PMMC	BMMC	SMMC	Total
50961A Opt. 200	Hardware required in the Series 300 workstations to connect the SRM Servers via the coax link: SRM Coax Adapter and Interface Includes Series 300 SRM interface card, coax adapter, and BNC T-connector Requires coax adapter in server and RG58C/U coax cables with BNC connectors Coax Cables (PVC insulation, with BNC connector installed)	\$ 945.	N/C	N/C	N/C	N/C	
92227A	1m coax cable	25.	N/C	N/C	N/C	N/C	
92227B	2m coax cable	27.	N/C	N/C	N/C	N/C	
92227C	4m coax cable	29.	N/C	N/C	N/C	N/C	
92227D	8m coax cable	33.	N/C	N/C	N/C	N/C	
92227E	16m coax cable	39.	N/C	N/C	N/C	N/C	
92227F	32m coax cable	51.	N/C	N/C	N/C	N/C	
92227G	64m coax cable	76.	N/C	N/C	N/C	N/C	
92227H	128m coax cable	126.	N/C	N/C	N/C	N/C	
	Coax Cable (without connector)						
92227J	Cut-to-length, PVC insulation						
92227K	Cut-to-length, FEP insulation						
92227L	BNC connector pair for 92227J/K cables						
92227M	BNC connector tool kit						
92227N	BNC T-connector						
45695A	BNC 50 Ohm termination pair						
98629A	Hardware required in the Series 300 workstations to connect the SRM Servers via the Multiplexer Link: SRM Interface , requires 98028A Multiplexer for every four workstations and 97061 cables for each workstation	945.	N/C	N/C	N/C	N/C	
97061A	10m SRM cable , with connector installed both ends		N/C	N/C	N/C	N/C	
97061B	25m SRM cable , with connector installed both ends		N/C	N/C	N/C	N/C	
97061C	60m SRM cable , with connector installed both ends		N/C	N/C	N/C	N/C	
97061D	60m SRM cable , with connector installed one end, second connector supplied for installation by user		N/C	N/C	N/C	N/C	
98028A	SRM Multiplexer includes 1m data/power cable which must be connected to SRM interface in a Series 300 computer or server, or Series 500 computer for electrical power. Requires 98629A interface in SRM server and 97061 cables to workstations and/or servers.	860.	N/C	N/C	N/C	N/A	

SRM Workstation Software

Product No./ Option No.	Description	Price	FMMC	PMMC	BMMC	SMMC	Total
	Software required in the workstations to connect to the SRM servers:						
	To connect Series 300 BASIC/Pascal systems: The access software is included in BASIC and Pascal operating systems revision 2.1 or later.	N/C					
	To connect Series 300 HP-UX systems:						
98693A Opt. 022	SRM Access Utilities for HP-UX	\$500.	N/A	N/A	N/A	N/A	
Opt. 045	Software on ¼-inch tape cartridge	N/C					
	Software on 3½-inch flexible disc	N/C					

Series 300 Peripherals, Media and Accessories

For detailed information on model numbers and operating system revisions that support these peripherals, please refer to the Series 300 Support Matrix or the Series 300 Configuration Reference Manual, Part Number 98561-90020.

Data Storage (270 Kbytes – 20 Mbytes)

Product No./ Option No.	Description	Price	FMMC	PMMC	BMMC	SMMC	Total
9125S	270 Kbyte, 5¼-inch flexible single master disc	\$ 1,200.	\$ 4.	\$ 7.	\$11.	\$14.	
9122D	2 x 630 Kbyte, 3½-inch flexible dual master disc	1,390.	3.	6.	9.	12.	
9122S	630 Kbyte, 3½-inch flexible single master disc	1,090.	2.	4.	6.	8.	
9153A	10 Mbyte Winchester disc with 3½-inch 630 Kbyte double-sided microfloppy	1,940.	5.	10.	16.	20.	
9154A	10 Mbyte Winchester disc	1,690.	4.	8.	13.	16.	
9133H	20 Mbyte Winchester disc with 3½-inch 630 Kbyte double-sided microfloppy	2,740.	7.	13.	21.	26.	
9134H	20 Mbyte Winchester disc	2,390.	6.	11.	18.	22.	

CS/80 Hard Disc Storage (24 Mbytes to 404 Mbytes)

Product No./ Option No.	Description	Price	FMMC	PMMC	BMMC	SMMC	Total
7941A	23.8 Mbyte CS/80 disc drive	\$ 5,500.	N/A	N/A	\$ 33.	\$ 41.	
7942A	23.8 Mbyte CS/80	8,500.	N/A	\$44.	44.	54.	
7911P/R Opt. 001 Opt. 140	28 Mbyte CS/80 Disc/Tape Dual controller tape drive Delete cartridge tape drive	13,750.	N/A N/A N/A	N/A N/A N/A	43. 19. -9.	54. 24. -11.	
7907A	41 Mbyte fixed/removable drive, 20½ removable, 20½ fixed, CS/80, HP-IB	12,500.			76.	92.	
7945A	55.5 Mbyte CS/80 disc drive	7,500.	N/A	N/A	40.	50.	
7946A	55.5 Mbyte disc/tape drive	10,500.	N/A	50.	50.	63.	
7912P/R	65 Mbyte CS/80 disc/tape drive	14,800.	N/A	N/A	45.	56.	
7914P/R	132 Mbyte CS/80 disc/tape drive	17,350.	N/A	N/A	53.	66.	
7933H	404 Mbyte fixed media device	25,700.	N/A	N/A	72.	90.	
7935H	404 Mbyte removable media device	28,300.	N/A	N/A	135.	169.	

Back-up Tape Drives

Product No./ Option No.	Description	Price	FMMC	PMMC	BMMC	SMMC	Total
9144A	¼-inch Cartridge Tape Drive	\$ 3,500.	\$ 6.	\$11.	\$11.	\$ 14.	
7974A Opt. 800	1600 cpi ½-inch tape drive Adds 800 cpi capability	13,000. 2,500.			73. 13.	91. 16.	
7978A	6250/1600 cpi ½-inch tape drive	22,500.			81.	101.	

Series 300 Printers

Character Printers

Product No./ Option No.	Description	Price	FMMC	PMMC	BMMC	SMMC	Total
82905B	80 cps Impact Printer , 50–60 Hz. One of the following options required:	\$ 795.	\$ 4.	\$ 8.	\$13.	\$16.	
Opt. 001	100 Vac HP-IB interface	N/C	N/A	N/A	N/A	N/A	
Opt. 002	120 Vac HP-IB interface	N/C	N/A	N/A	N/A	N/A	
Opt. 003	220 Vac HP-IB interface	N/C	N/A	N/A	N/A	N/A	
Opt. 004	240 Vac HP-IB interface	N/C	N/A	N/A	N/A	N/A	
82906A	160 cps Impact Printer , 50–60 Hz	795.	2.	5.	8.	10.	
Opt. 001	100 Vac HP-IB interface	N/C	N/A	N/A	N/A	N/A	
Opt. 002	120 Vac HP-IB interface	N/C	N/A	N/A	N/A	N/A	
Opt. 003	220 Vac HP-IB interface	N/C	N/A	N/A	N/A	N/A	
Opt. 004	240 Vac HP-IB interface	N/C	N/A	N/A	N/A	N/A	
2601A	40 cps (peak) Daisy-wheel Printer	3,520.	25.	49.	69.	86.	
2225A	150 cps Thinkjet™ Printer	495.	2.	4.	6.	8.	
2932A	200 cps Impact Printer	2,595.	7.	13.	21.	26.	
Opt. 046	Replace RS-232 interface with HP-IB	50.	N/C	N/C	N/C	N/C	
2934A	200 cps Office Printer	2,995.	8.	15.	24.	30.	
Opt. 046	Replace RS-232 interface with HP-IB (required)	50.	N/C	N/C	N/C	N/C	

Key: cps = characters per second

Line Printers

Product No./ Option No.	Description	Price	FMMC	PMMC	BMMC	SMMC	Total
2563A	300 lpm Impact Line Printer	\$ 5,780.	N/A	N/A	\$ 42.	\$ 52.	
Opt. 110	26764A sound abatement cover	155.	N/A	N/A	N/C	N/C	
Opt. 112	92214P stand and 26746A stacker	275.	N/A	N/A	N/C	N/C	
Opt. 115	Paper stacker	345.	N/A	N/A	N/C	N/C	
Opt. 290	HP 9000 interface and 4m cable	310.	N/A	N/A	N/C	N/C	
Opt. 500	Printer package, includes two character sets, ribbons, and Options 110 and 112	870.	N/A	N/A	N/C	N/C	
Opt. 850	Configures the printer for use with SRM	310.	N/A	N/A	N/C	N/C	
2565A	600 lpm Impact Line Printer	18,766.	N/A	N/A	150.	188.	
Opt. 015	220 Vac	N/C	N/A	N/A	N/C	N/C	
Opt. 016	100 Vac	N/C	N/A	N/A	N/C	N/C	
Opt. 017	240 Vac	N/C	N/A	N/A	N/C	N/C	
Opt. 115	Passive paper stacker	350.	N/A	N/A	N/C	N/C	
Opt. 290	HP-IB CIPER interface for use with Series 500						
Opt. 500	Printer package, includes Option 015	500.					
2566A	900 lpm Impact Line Printer	21,766.	N/A	N/A	167.	209.	
Opt. 015	220 Vac	N/C	N/A	N/A	N/C	N/C	
Opt. 016	100 Vac	N/C	N/A	N/A	N/C	N/C	
Opt. 017	240 Vac	N/C	N/A	N/A	N/C	N/C	
Opt. 015	Passive paper stacker	N/C	N/A	N/A	N/C	N/C	
Opt. 290	HP-IB CIPER interface with use with Series 500						
Opt. 500	Printer package, includes Option 015	500.					
9876A	400 lpm Thermal Line Printer	6,080.	\$13.	\$25.	31.	N/A	

Key: lpm = lines per minute

Page Printers

Product No./ Option No.	Description	Price	FMMC	PMMC	BMMC	SMMC	Total
2686A	8 ppm Laser Page Printer	\$ 3,495.	\$20.	\$39.	\$ 62.	\$ 78.	

Key: ppm = pages per minute

Series 300 Graphics Devices

Product No./ Option No.	Description	Price	FMMC	PMMC	BMMC	SMMC	Total
7470A Opt. 002	A-size, 2-Pen Plotter Replace RS-232 interface and cable with HP-IB interface and no cable (required option)	\$ 1,095.	\$ 3. N/C	\$ 6. N/C	\$ 9. N/C	\$12. N/C	
7475A Opt. 002	A...B-size, 6-Pen Plotter Replace RS-232 interface and cable with HP-IB interface and no cable (required option)	1,895.	4. N/C	7. N/C	10. N/C	13. N/C	
7550A	A...B-size, 8-Pen Plotter , sheet-feed	3,900.	10.	20.	32.	40.	
7580B	A...D-size, 8-Pen Plotter	9,900.	N/A	62.	99.	124.	
7585B	A...E-size, 8-Pen Plotter	12,900.	N/A	69.	86.	108.	
7586B Opt. 059	A...E-size, 8-Pen Roll-feed Plotter Orders manual options for use with the HP 9000 Series 500	16,900.	N/A	69.	86.	108.	
9111A	11.8" x 8.6" Graphics Tablet	2,275.	5.	10.	13.	16.	

Series 300 Terminals

Product No./ Option No.	Description	Price	FMMC	PMMC	BMMC	SMMC	Total
2392A Opt. 160 Opt. 301	12-inch Alphanumeric Display Terminal , 47-66 Hz, 115 Vac Adds approximately two pages of display memory U.S. modem cable	\$ 1,295. 200. 65.	\$ 3. N/C N/C	\$ 6. N/C N/C	\$ 10. N/C N/C	\$ 12. N/C N/C	
2393A Opt. 160 Opt. 301	12-inch Graphics Display Terminal , 47-66 Hz, 115 Vac Adds approximately two pages of display memory U.S. modem cable						
45610B	HP 150 Terminal	2,795.	9.	12.	20.	25.	
45650B	HP 150 Personal Computer with 9122D	3,495.	12.	18.	29.	37.	
45660B	HP 150 Personal Computer with 9133D	5,495.	17.	28.	47.	57.	
45710A	HP 110 The Portable	2,995.	5.	10.	N/A	N/A	
45850A	HP 150 Personal Computer Terminal	2,730.	7.	10.	10.	20.	
97056A	Series 500 Terminal Emulator	505.	N/A	N/A	N/A	N/A	
9807A	Integral P.C.	4,995.	15.	30.	N/A	N/A	
98791B	HP 2392A and VT100 Terminal Emulator	500.	N/A	N/A	N/A	N/A	

Series 300 Miscellaneous Peripherals

Product No./ Option No.	Description	Price	FMMC	PMMC	BMMC	SMMC	Total
2334A	x.25 Cluster Controller	\$ 1,950.	N/A	N/A	\$13.	\$16.	
26075A	HP-IB Switch	725.	N/A	N/A	5.	6.	
92205A	Hayes Smartmodem 1200™ (U.S.), 60 Hz, 120 Vac	650.	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	
98568A	Series 300 Bus Expander	1,900.	\$ 1.	\$ 2.	3.	4.	

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

Series 300 Accessories

Product No.	Description	Price	Total
92240D	Swivel Base for 9121S/D 3½" Flexible Disc Drives	\$ 45.	
92171Y	Swivel Adaptor for 92240C Tilt Unit (when swivel capability is desired without using the 92240D)	25.	
92211L	Taboret Cabinet Rack for Series 300 and 325 mm-wide peripherals	195.	
92211M	Taboret Cabinet Rack for 9888A and 325 mm-wide peripherals	165.	
92211R	HP Design Plus Mobile Mini-rack for 325 mm-wide peripherals	550.	
97064A	CAD Table , 68-66 Hz, 120 Vac (supports 13279B Monitor), included as standard	2,525.	
98783A	Tilt and Swivel Unit for the 98782A Monitor	390.	
98290A	3 meter RGB Cable	185.	

Series 300 Media

Product No.	Description	Price	Total
92192A	Blank 3½", Double-sided Flexible Discs (box of 10)	\$ 69.	
92191A	Blank 3½", Single-sided Flexible Discs (box of 10)	59.	
92190A	Blank 5¼" Flexible Discs (box of 10)	69.	
92195A	Blank 8" Flexible Discs (box of 10)	94.	
97907A	20.5 Mbyte Cartridge Tape for 7907A	215.	
88140LC	Certified, ¼-inch" Tape Cartridges, 600-foot (box of 5)	200.	
88140SC	Certified, ¼-inch" Tape Cartridges, 150-foot (box of 5)	150.	

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, subsystem and applications software.

Operating Systems Support

The following services are available to support a central system:

Response Center Support (RCS) – Provides one Response Center caller and one alternate for telephone assistance and a 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 and one alternate 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 RCS levels of support are selected for the operating system, Category and Family Support products must be ordered for subsystem and applications software respectively:

Category Support: Central System – Provides local assistance and/or access to the Response Center through the System Manager in accordance with the level of support selected for the operating system.

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

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 200 Operating Systems Support Services, the Response Center Support (RCS) is ordered for the ROM BASIC operating system by specifying 98602A + 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 300 Operating Systems Support Services

Series 300 Language Systems

Note: AMS is not offered for Series 300 BASIC and Pascal language systems.

Software Product No.	RCS	SMS	Additional System Coverage	Extended SMS	Additional Caller
98613B RAM BASIC 4.0			+ V00 \$10/mo	+ W00 \$5/mo	+ P00 \$75/mo
<i>Note: One of the following media options must be specified:</i> 5¼" flexible disc option	+ H42 \$55/mo	+ S42 \$20/mo	+ V42 \$5/mo	+ W42 \$5/mo	N/A
3½" flexible disc, single-sided format option	+ H44 \$55/mo	+ S44 \$20/mo	+ V44 \$5/mo	+ W44 \$5/mo	N/A
3½" flexible disc, double-sided format option	+ H45 \$55/mo	+ S45 \$20/mo	+ V45 \$5/mo	+ W45 \$5/mo	N/A
98615B Pascal Operating System†			+ V00 \$10/mo	+ W00 \$10/mo	+ P00 \$75/mo
<i>Note: One of the following media options must be specified:</i> 5¼" flexible disc option	+ H42 \$75/mo	+ S42 \$40/mo	+ V42 \$20/mo	+ W42 \$10/mo	N/A
3½" flexible disc, single-sided format option	+ H44 \$75/mo	+ S44 \$40/mo	+ V44 \$20/mo	+ W44 \$10/mo	N/A
3½" flexible disc, double-sided format option	+ H45 \$75/mo	+ S45 \$40/mo	+ V45 \$20/mo	+ W45 \$10/mo	N/A
98619A SRM Server			+ V00 \$10/mo	+ W00 \$5/mo	+ P00 \$75/mo
Tape Cartridge	+ H22 \$50/mo	+ S22 \$20/mo	+ V22 \$5/mo	+ W22 \$5/mo	N/A

* Updates to ROM-based BASIC are not provided.

† Support services shown here for Pascal do not cover support for the Pascal Systems Internals Documentation (P/N 09826-90074). Support for the Internals provided through SE Consulting Services.

Series 200 Operating System Manual Update Services (MUS)

Update Service	Product No.	MUS
BASIC Language System MUS	98613A	+ Q00 \$3/mo
Pascal Language System MUS	98615B	+ Q00 \$3/mo
Pascal Systems Internal Documentation	98615-87970	98088Q \$1/mo

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 Information

In the U.S.A. and Canada, your Series 300 product is warranted by Hewlett-Packard against defects in materials and workmanship from the date of delivery.* The standard warranty requires the product to be returned to a service facility designated by HP and is in effect for one year from the date of shipment. An optional 90-day, on-site repair warranty is also available. The duration of your HP warranty is based upon the conditions under which your Series 300 product and its associated peripherals were purchased. Contact your local HP Sales and Service Office for the specific warranty terms applicable to your Series 300 product.

Hewlett-Packard will, at its option, repair or replace equipment which proves to be defective during the warranty period. Repairs necessitated by misuse of the equipment, or by use of hardware, software, or interfacing not provided by Hewlett-Packard are not covered by this warranty. HP warrants that the 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 the operations of the CPU, software or firmware to be uninterrupted or error free.

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

* In other countries, contact your local Hewlett-Packard Sales and Service Office to determine warranty terms.