

# HP 9000 Series 200 Computers Pricing Information\*



Effective date: June 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 HP 9000 Series 200 is available in these different models: the Model 216 (9816) Personal Technical Computer, Model 217 (9817) Modular Workstation, Model 226 (9826) and Model 236 (9836) Technical Computers, Model 237 (9837) Graphics Workstation, and the Model 220 (9920) Modular Computer.

The Series 200 computers offer choices of BASIC, Pascal, and HP-UX operating systems. Refer to the detailed ordering information to see which operating systems are available on each model.

Within each series there are base system and bundled system configurations. 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 for the HP 9000 Series 200 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.

## 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

## Series 200 Base Systems

Product No./Option No.	Description	Price	FMMC	PMMC	BMMC	Total
9817A	Model 217 Modular Workstation with built-in RS-232, HP-IB, and HP-HIL interfaces; and a six-slot card cage for the memory, I/O cards and accessories. English documentation. Other localized versions available:	\$ 3,495.	\$ 5.	\$10.	\$16.	
9817AD	German	3,495.	5.	10.	16.	
9817AE	Spanish	3,495.	5.	10.	16.	
9817AF	French	3,495.	5.	10.	16.	
9817AZ	Italian	3,495.	5.	10.	16.	
9826A	Model 226 Technical Computer with 7-inch monochrome CRT, graphics, 5¼" flexible disc drive, built-in HP-IB interface, 128 Kbyte RAM	9,535.	14.	28.	35.	
Opt. 050	Powerfail option	1,515.	N/C	N/C	N/C	
9836A	Model 236 Technical Computer with 12-inch monochrome CRT, graphics, dual 5¼" flexible disc drives, built-in HP-IB interface, 128 Kbyte RAM	12,470.	17.	30.	39.	
Opt. 050	Powerfail option	1,515.	N/C	N/C	N/C	
Opt. 400	Extend operating frequency range to 440 Hz	50.	N/C	N/C	N/C	
Opt. 801	50 Hz CRT operation	N/C	N/C	N/C	N/C	
9836C	Model 236C Color Computer with 12-inch color CRT, graphics, dual 5¼" flexible disc drives, built-in HP-IB interface, 128 Kbyte RAM	15,590.	25.	43.	64.	
Opt. 050	Powerfail option	1,515.	N/C	N/C	N/C	
Opt. 801	50 Hz CRT operation	N/C	N/C	N/C	N/C	
9836CU	Model 236 HP-UX Computer with 12-inch color CRT, graphics, built-in HP-IB interface	16,685.	26.	53.	84.	
Opt. 801	50 Hz CRT operation	N/C	N/C	N/C	N/C	

Series 200 Base Systems (cont'd)

Product No./ Option No.	Description	Price	FMMC	PMMC	BMMC	Total
<b>9836U</b>	<b>Model 236 HP-UX Computer</b> with built-in HP-IB and 12-inch CRT and graphics	\$13,595.	\$24.	\$47.	\$76.	
Opt. 400	Extends operating frequency range to 440 Hz	50.	N/C	N/C	N/C	
Opt. 801	50 Hz CRT operation	N/C	N/C	N/C	N/C	
<b>9837</b>	<b>Model 237 Graphics Workstation</b> (see 9837H bundled system)					
<b>9920A</b>	<b>Model 220 Modular Computer with built-in HP-IB and keyboard interface, 128 Kbyte RAM, 15-slot card cage</b>	4,500.	12.	24.	38.	
Opt. 908	Rack mount kit (Can be ordered separately as P/N 5061-0078)	30.	N/A	N/A	N/A	
<b>9920U</b>	<b>Model 220 Modular HP-UX Computer</b> with built-in HP-IB and keyboard interface, 15-slot card cage	5,700.	16.	32.	52.	
Opt. 535	Deletes standard keyboard interface and adds HP-HIL keyboard interface	85.	N/C	N/C	N/C	
Opt. 908	Rack mount kit (Can be ordered separately as P/N 5061-0078)	30.	N/A	N/A	N/A	

## Series 200 Bundled Systems

(For local language options, see the Series 200 Accessories section.)

Product No./ Option No.	Description	Price	FMMC	PMMC	BMMC	Total
<b>9816S</b>	<b>Model 216 Personal Technical Computer</b> with 9-inch monochrome monitor CRT, graphics, built-in RS-232 and HP-IB interfaces, 256 Kbyte RAM, plus 256 Kbyte additional RAM (512 Kbyte total), and RAM-based BASIC 3.0 language system	\$ 5,150.	\$10.	\$20.	\$29.	
Opt. 001*	Deletes one 256 Kbyte RAM board and adds one 1 Mbyte RAM board (98257A)	2,470.	N/C	N/C	N/C	
Opt. 805	Large keyboard	215.	N/C	N/C	N/C	
Opt. 256*	Delete RAM BASIC 3.0 and additional 256 Kbyte RAM board	-1,165.	N/C	N/C	N/C	
Opt. 630	For 3½" disc drives	N/C	N/C	N/C	N/C	
Opt. 650	For 5¼" disc drives	N/C	N/C	N/C	N/C	
<b>9817H</b>	<b>Model 217 Modular Workstation</b> base system, 512 Kbytes of RAM, two Composite Video Interface Card Set, 35721A/B/C, 14-inch monochrome CRT, and 35722A Tilt and Swivel unit. HP-HIL Keyboard, U.S. ASCII version. Other localized version workstations are available, see list following:	6,510.	6.	12.	19.	
9817HC	French Canadian localized workstation	6,510.	6.	12.	19.	
9817HD	German localized workstation	6,510.	6.	12.	19.	
9817HE	European Spanish localized workstation	6,510.	6.	12.	19.	
9817HF	French localized workstation	6,510.	6.	12.	19.	
9817HII	Dutch localized workstation	6,510.	6.	12.	19.	
9817HJ	Katakana localized workstation	6,510.	6.	12.	19.	
9817HK	ICON English localized workstation	6,510.	6.	12.	19.	
9817HL	Canadian English localized workstation	6,510.	6.	12.	19.	
9817HM	Latin Spanish localized workstation	6,510.	6.	12.	19.	
9817HN	Norwegian localized workstation	6,510.	6.	12.	19.	
9817HP	Swiss German localized workstation	6,510.	6.	12.	19.	
9817HQ	Swiss French localized workstation	6,510.	6.	12.	19.	
9817HS	Swedish localized workstation	6,510.	6.	12.	19.	
9817HU	UK English localized workstation	6,510.	6.	12.	19.	
9817HW	Belgian Dutch localized workstation	6,510.	6.	12.	19.	
9817HX	Finnish localized workstation	6,510.	6.	12.	19.	
9817HY	Danish localized workstation	6,510.	6.	12.	19.	
9817HZ	Italian localized workstation	6,510.	6.	12.	19.	
Opt. 001	Deletes the two 256 Kbyte RAM boards and adds one HP 98257A 1 Mbyte RAM board	2,520.	N/C	N/C	N/C	

\* Both Opt. 001 and 256 cannot be ordered.

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Series 200 Bundled Systems (cont'd)

Product No./ Option No.	Description	Price	FMMC	PMMC	BMMC	Total
9817L	<b>Model 217 HP-UX Single-user Workstation</b> and localized versions:	\$ 9,495.	\$19.	\$12.	\$ 6.	
9817LC	French Canadian localized workstation	9,495.	19.	12.	6.	
9817LD	German localized workstation	9,495.	19.	12.	6.	
9817LE	Spanish localized workstation	9,495.	19.	12.	6.	
9817LF	French localized workstation	9,495.	19.	12.	6.	
9817LH	Dutch localized workstation	9,495.	19.	12.	6.	
9817LK	English localized workstation with Model 220 monitor	9,495.	19.	12.	6.	
9817LL	Canadian English localized workstation	9,495.	19.	12.	6.	
9817LM	Latin Spanish localized workstation	9,495.	19.	12.	6.	
9817LN	Norwegian localized workstation	9,495.	19.	12.	6.	
9817LS	Swedish localized workstation	9,495.	19.	12.	6.	
9817LU	UK English localized workstation	9,495.	19.	12.	6.	
9817LW	Belgian Dutch localized workstation	9,495.	19.	12.	6.	
9817LX	Finnish localized workstation	9,495.	19.	12.	6.	
9817LY	Danish localized workstation	9,495.	19.	12.	6.	
9826S	<b>Model 226 Technical Computer</b> base system plus 512 Kbyte additional RAM (640 Kbyte total), RAM-based BASIC 3.0 and Pascal 3.0 language systems	11,555.	14.	28.	35.	
Opt. 001	Substitutes the 512 Kbyte RAM memory with one HP 98257A 1 Mbyte RAM board (1.25 Mbyte total)	1,640.	N/C	N/C	N/C	
Opt. 050	Powerfail option	1,515.	N/C	N/C	N/C	
9836S	<b>Model 236 Technical Computer</b> base system plus 512 Kbyte additional RAM (640 Kbyte total), RAM-based BASIC 3.0 and Pascal 3.0 language systems	14,420.	17.	30.	39.	
Opt. 001	Substitutes the 512 Kbyte RAM memory with one HP 98257A 1 Mbyte RAM board (1.25 Mbyte total)	1,640.	N/C	N/C	N/C	
Opt. 050	Powerfail option	1,515.	N/C	N/C	N/C	
Opt. 400	Extends operating frequency range to 440 Hz	50.	N/C	N/C	N/C	
Opt. 801	50 Hz CRT operation	N/C	N/C	N/C	N/C	
9836T	<b>Model 236 HP-UX<sup>†</sup> Computer</b> base system plus 1 Mbyte RAM. HP-UX system must be on a CS-80 disc. HP-UX Operating System includes C Compiler, FORTRAN 77 Compiler, HP Pascal Compiler, MC68000 Assembler, and Graphics/9000 DGL.	N/A	24.	47.	76.	
Opt. 400	Extends operating frequency range to 440 Hz	50.	N/C	N/C	N/C	
Opt. 801	50 Hz CRT operation	N/C	N/C	N/C	N/C	
Opt. 012	Provides single-user bundled HP-UX Operating System	18,500.	N/A	N/A	N/A	
Opt. 022	Provides multi-user bundled HP-UX Operating System	20,000.	N/A	N/A	N/A	
9836CS	<b>Model 236C Color Computer</b> base system plus 512 Kbyte additional RAM (640 Kbyte total), RAM-based BASIC 3.0 and Pascal 3.0 language systems	17,510.	25.	43.	64.	
Opt. 001	Substitutes the 512 Kbyte RAM memory with one HP 98257A 1 Mbyte RAM board (1.25 Mbyte total)	1,640.	N/C	N/C	N/C	
Opt. 050	Powerfail option	1,515.	N/C	N/C	N/C	
Opt. 801	50 Hz CRT operation	N/C	N/C	N/C	N/C	
9836CT	<b>Model 236C HP-UX<sup>†</sup> Computer</b> base system plus 1 Mbyte RAM. HP-UX system must be on a CS-80 disc. HP-UX Operating System includes C Compiler, FORTRAN 77 Compiler, HP Pascal Compiler, MC68000 Assembler, and Graphics/9000 DGL.	N/A	26.	53.	84.	
Opt. 801	50 Hz CRT operation	N/C	N/C	N/C	N/C	
Opt. 012	Provides single-user bundled HP-UX Operating System	21,500.	N/A	N/A	N/A	
Opt. 022	Provides multi-user bundled HP-UX Operating System	23,000.	N/A	N/A	N/A	

† Each HP-UX system requires a 98625A Disc Interface and a 98620B DMA Controller (except 217L).

Series 200 Bundled Systems (cont'd)

Product No./ Option No.	Description	Price	FMMC	PMMC	BMMC	Total
9837H	<b>Model 237 Graphics Workstation</b> including high-performance CPU (12.5 MHz MC68000, memory management, cache memory), • 17-inch high-resolution display (1024 x 768, bit-mapped, tilt/swivel), HP-IB interface, two-button mouse, 512 Kbyte RAM, HP-HIL keyboard, U.S. ASCII. Other localized version workstations are available, see list following:	\$14,500.	\$15.	\$29.	\$47.	
9837HC	Canadian French localized workstation	14,500.	15.	29.	47.	
9837HD	German localized workstation	14,500.	15.	29.	47.	
9837HE	European Spanish localized workstation	14,500.	15.	29.	47.	
9837HF	French localized workstation	14,500.	15.	29.	47.	
9837HH	Dutch localized workstation	14,500.	15.	29.	47.	
9837HJ	Katakana localized workstation	14,500.	15.	29.	47.	
9837HL	Canadian English localized workstation	14,500.	15.	29.	47.	
9837HM	Latin Spanish localized workstation	14,500.	15.	29.	47.	
9837HN	Norwegian localized workstation	14,500.	15.	29.	47.	
9837HP	Swiss German localized workstation	14,500.	15.	29.	47.	
9837HQ	Swiss French localized workstation	14,500.	15.	29.	47.	
9837HS	Swedish localized workstation	14,500.	15.	29.	47.	
9837HU	U.K. English localized workstation	14,500.	15.	29.	47.	
9837HW	Belgian Dutch localized workstation	14,500.	15.	29.	47.	
9837HX	Finnish localized workstation	14,500.	15.	29.	47.	
9837HY	Danish localized workstation	14,500.	15.	29.	47.	
9837HZ	Italian localized workstation	14,500.	15.	29.	47.	
Opt. 001	Substitutes the standard RAM memory with one HP 98257A 1 Mbyte RAM board	1,640.	N/C	N/C	N/C	
9920S	<b>Model 220 Development System</b> including Model 220 base system plus 2m HP-IB cable, rack mount kit, HP 98203A Keyboard and 3m extension cord, HP 98204A Composite Video Interface Card set, additional 512 Kbyte RAM (640 Kbyte total), RAM-based BASIC 3.0 and Pascal 3.0 language systems.	8,000.	12.	24.	38.	
Opt. 001	Substitutes the standard RAM memory with one HP 98257A 1 Mbyte RAM board	2,520.	N/C	N/C	N/C	
Opt. 204	Substitutes the HP 98204A (50 Hz) Video Interface with the HP 98204B (60 Hz) interface	350.	N/C	N/C	N/C	
Opt. 805	Large keyboard	215.	N/C	N/C	N/C	
Opt. 630	For 3½" disc drives	N/C	N/C	N/C	N/C	
Opt. 650	For 5¼" disc drives	N/C	N/C	N/C	N/C	
9920T	<b>Model 220 HP-UX† Modular Computer</b> with built-in HP-IB and keyboard interface, 1 Mbyte RAM. HP-UX system must be on a CS-80 disc. HP-UX Operating System includes C Compiler, FORTRAN 77 Compiler, HP Pascal Compiler, MC68000 Assembler, and Graphics/9000 DGL.	N/A	16.	32.	52.	
Opt. 908	Rack mount kit (May also be ordered separately as P/N 5061-0078)	30.	N/C	N/C	N/C	
Opt. 012	With single-user HP-UX	11,000.	N/A	N/A	N/A	
Opt. 022	With multi-user HP-UX	12,500.	N/A	N/A	N/A	

† Each HP-UX system requires a 98625A Disc Interface and a 98620B DMA Controller (except 217L).

## Series 200 Accessories

### Keyboards for Series 200

Product No./ Option No.	Description	Price	FMMC	PMMC	BMMC	SMMC	Total
46020A	HP-HIL Keyboard for Models 217 and 237 (requires 46020-60001 cable)	\$ 225.	N/C	N/C	N/C	N/C	
46080A	HP-HIL Extender Module	48.	N/C	N/C	N/C	N/C	
46083A	HP-HIL Rotary Control Knob for use with HP-HIL keyboard	170.	N/C	N/C	N/C	N/C	

Keyboards for Series 200 (cont'd)

Product No./ Option No.	Description	Price	FMMC	PMMC	BMMC	SMMC	Total
98203A	Standard Keyboard for Model 220 with 3m cord included with Model 220S. Cord is also orderable separately as P/N 1251-8408 modular jack (\$13) and 8120-4265 cable assembly (\$19).	\$ 485.	N/C	N/C	N/C	N/C	
98203B Opt. 001	Large Keyboard and Numeric Pad for Models 216 and 220 Upgrade cable. Required for Model 216A/S with serial number prefix 2230A, 2551G or earlier. Not required for 220 or later 216s.	700. N/C	N/C N/C	N/C N/C	N/C N/C	N/C N/C	
Opt. 810 Opt. 820 Opt. 830 Opt. 840 Opt. 850	<b>Keyboard (98203A/B) Options for Models 226 and 236</b> French keyboard Spanish keyboard German keyboard Katakana keyboard Swedish/Finnish keyboard	N/C	N/C	N/C	N/C	N/C	
Opt. 805 Opt. 815 Opt. 825 Opt. 835 Opt. 845 Opt. 855	<b>Keyboard Options for Models 216 and 220</b> ASCII large keyboard/character set French large keyboard Spanish large keyboard German large keyboard Katakana large keyboard Swedish/Finnish large keyboard	215.	N/C	N/C	N/C	N/C	

Monitors for Series 200

Product No./ Option No.	Description	Price	FMMC	PMMC	BMMC	SMMC	Total
82912A Opt. 001	9-inch Monochrome Display, 60 Hz, 112 Vac (for use with 98204A Interface Board in Model 220) 230V (Europe)	\$ 295.	N/C	N/C	N/A	N/A	
82913A Opt. 001 Opt. 002	12-inch Monochrome Display, 60 Hz, 112 Vac (for use with 98204A Interface Board in Model 220) 230V (Europe) 100V (Japan) Rack Mount Kit can be ordered separately (P/N 5061-6525)	325.	N/C	N/C	N/A	N/A	
35721A 35721B 35721C	14-inch Monochrome Display, 60 Hz, 120 Vac (for use with 98204B Interface Board in Models 217 and 220) 230V (Europe) 100V (Japan)	550.	\$ 1.	\$ 2.	\$ 3.	\$ 4.	
13279B Opt. 035 Opt. 065	19-inch Color Monitor, 60 Hz, 117 Vac (for use with 98627A Interface Board and all Series 200) Short persistence phosphor Long persistence phosphor	6,300. N/C 100.	38. N/C N/C	75. N/C N/C	121. N/C N/C	151. N/C N/C	

Interface Products for Series 200

Product No./ Option No.	Description	Price	FMMC	PMMC	BMMC	SMMC	Total
50961A Opt. 200 92199F	Resource Management Coax Adapter and Interface for Series 200 systems Cable Management Kit (included with 9817H, 9837H)	\$ 945. 24.	N/C	N/C	N/C	N/C	
92215F	RS-232C Extension Cable, 15m (50 ft.)	109.	N/C	N/C	N/C	N/C	
92215T	RS-232C Extension Cable, 30m (100 ft.)	169.	N/C	N/C	N/C	N/C	
98201A	Custom Keypad Interface	300.	N/C	N/C	N/C	N/C	
98204A Opt. 090	Composite Video Card with 1.5m cable for use with HP 82913A or HP 82912A monitors Deletes graphics card set	725. -225.	N/C	N/C	N/C	N/C	
98204B	Video Output Interface Card Set with 1.5m cable for use with HP 35721A/B/C displays	1,075.	N/C	N/C	N/C	N/C	

Interface Products for Series 200 (cont'd)

Product No./ Option No.	Description	Price	FMMC	PMMC	BMMC	SMMC	Total
98253A	<b>EPROM Programmer Interface (98255A)</b>	\$ 1,500.	N/C	N/C	N/C	N/C	
98255A	<b>EPROM Card, 16 sockets for 2764 or 27128 EPROM ICs</b>	300.	N/C	N/C	N/C	N/C	
98256A	<b>256 Kbyte RAM Board</b>	830.	N/C	N/C	N/C	N/C	
98257A	<b>1 Mbyte RAM Board with parity check</b>	4,180.	N/C	N/C	N/C	N/C	
98259A	<b>128 Kbyte Magnetic Bubble Memory Card</b>	1,900.	N/C	N/C	N/C	N/C	
98270F	<b>Powerfail Upgrade Kit</b>	1,515.	N/C	N/C	N/C	N/C	
98620B	<b>Two-channel DMA Controller Board</b>	500.	N/C	N/C	N/C	N/C	
98622A	<b>16-bit GPIO Interface Card</b>	355.	N/C	N/C	N/C	N/C	
Opt. 001	Provides 4.6m unterminated cable (P/N 5061-4209)	100.	N/C	N/C	N/C	N/C	
Opt. 002	Provides 0.8m terminated cable for 9885M Flexible Disc Drive (P/N 5061-4211)	100.	N/C	N/C	N/C	N/C	
Opt. 003	Provides 4.6m terminated cable for 6940A/B Multiprogrammer (P/N 5061-4210)	130.	N/C	N/C	N/C	N/C	
Opt. 004	Provides 2.5m terminated cable for 9866A/B Thermal Printer (P/N 5061-4212)	175.	N/C	N/C	N/C	N/C	
98623A	<b>43-line BCD Interface Card</b>	385.	N/C	N/C	N/C	N/C	
Opt. 001	Provides 4.6m unterminated cable (P/N 5061-4217)	105.	N/C	N/C	N/C	N/C	
98624A	<b>HP-IB Interface, standard speed</b>	330.	N/C	N/C	N/C	N/C	
	1m HP-IB cable, P/N 10833A	81.	N/C	N/C	N/C	N/C	
	2m HP-IB cable, P/N 10833B	91.	N/C	N/C	N/C	N/C	
	4m HP-IB cable, P/N 10833C	101.	N/C	N/C	N/C	N/C	
	0.5m HP-IB cable, P/N 10833D	81.	N/C	N/C	N/C	N/C	
98625A	<b>HP-IB Disc Interface, high speed</b>	605.	N/C	N/C	N/C	N/C	
98626A	<b>RS-232C (Serial) Interface</b>	380.	N/C	N/C	N/C	N/C	
Opt. 001	Provides DTE (male) RS-232C cable (P/N 5061-4215)	75.	N/C	N/C	N/C	N/C	
Opt. 002	Provides DCE (female) RS-232C cable (P/N 5061-4216)	75.	N/C	N/C	N/C	N/C	
98627A	<b>RGB Color Video Output Interface with cables</b>	1,010.	N/C	N/C	N/C	N/C	
98628A	<b>Datacomm Interface</b>	485.	N/C	N/C	N/C	N/C	
Opt. 001	Provides DTE (male) RS-232C cable (P/N 5061-4215)	85.	N/C	N/C	N/C	N/C	
Opt. 002	Provides DCE (female) RS-232C cable (P/N 5061-4216)	85.	N/C	N/C	N/C	N/C	
Opt. 003	Provides DCE (female) RS-449/423 cable (P/N 5061-4250)	175.	N/C	N/C	N/C	N/C	
98629A	<b>Shared Resource Management Interface</b>	655.	N/C	N/C	N/C	N/C	
98630A	<b>Breadboard Interface</b>	320.	N/C	N/C	N/C	N/C	
Opt. 001	Service Extender	100.	N/C	N/C	N/C	N/C	
98633A	<b>6944A Multiprogrammer Interface</b>	350.	N/C	N/C	N/C	N/C	
98635A	<b>Floating Point Math Card</b>	975.	N/C	N/C	N/C	N/C	
98640A	<b>7-channel ADC Interface</b>	990.	N/C	N/C	N/C	N/C	
Opt. 001	Deletes diagnostic software and test hood	-75.	N/C	N/C	N/C	N/C	
Opt. 630	Provides diagnostic software on 3½" floppy	N/C	N/C	N/C	N/C	N/C	
Opt. 655	Provides diagnostic software on 5¼" floppy	N/C	N/C	N/C	N/C	N/C	
98641A	<b>IBM RJE 2780/3780 Interface</b>	1,250.	N/C	N/C	N/C	N/C	
98644A	<b>RS-232C Serial Interface</b>	190.	N/C	N/C	N/C	N/C	
98645A	<b>Measurement Library</b>	500.	N/C	N/C	N/C	N/C	
Opt. 630	Provides software on 3½" floppy	N/C	N/C	N/C	N/C	N/C	
Opt. 655	Provides software on 5¼" floppy	N/C	N/C	N/C	N/C	N/C	
98645R	<b>Right-To-Copy Measurement Library</b>	250.	N/C	N/C	N/C	N/C	
98690A	<b>PDI Development Package for 98691A</b>	405.	N/C	N/C	N/C	N/C	
Opt. 630	For use with 3½" external flexible disc drives	N/C	N/C	N/C	N/C	N/C	
Opt. 650	For use with 5¼" external flexible disc drives	N/C	N/C	N/C	N/C	N/C	
Opt. 655	For use with 5¼" internal flexible disc drives	N/C	N/C	N/C	N/C	N/C	
98691A	<b>Programmable Datacomm Interface</b>	650.	N/C	N/C	N/C	N/C	
Opt. 001	Provides DTE (male) RS-232C cable (P/N 5061-4215)	95.	N/C	N/C	N/C	N/C	
Opt. 002	Provides DCE (female) RS-232C cable (P/N 5061-4216)	95.	N/C	N/C	N/C	N/C	
Opt. 003	Provides DTE (male) RS-449/423 cable (P/N 5061-4250)	175.	N/C	N/C	N/C	N/C	

Interface Products for Series 200 (cont'd)

Product No./ Option No.	Description	Price	FMMC	PMMC	BMMC	SMMC	Total
98695A	IBM™ 3270 Coax Interface	\$ 1,200.	N/C	N/C	N/C	N/C	
9888A	Series 200 Bus Expander, 48–66 Hz, 16-slot card cage with 1.6m cable (provides 15 additional backplane slots)	3,530.	\$ 4.	\$ 7.	\$10.	N/A	

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## Series 200 Language and Operating Systems



Product No.	Description	Price	Total
98601A	ROM-based BASIC 2.0 Language System.* Includes one system ROM board, BASIC 2.0 Language Manual Kit, BASIC 2.0 Utilities Pack. (Order one flexible disc media option below.)	\$ 1,450.	
98602A	ROM-based BASIC 2.0 with BASIC Extensions 2.1 Language System.* Includes one system ROM board, BASIC 2.0/2.1 Language Manual Kit, and BASIC 2.0/2.1 Utilities Pack. (Order one flexible disc media option below.)	3,000.	
98604A	ROM-based HPL 2.0 Language System.† Includes one system ROM board, HPL Language Manual Kit, HPL Utilities Disc. (Order one flexible disc media option below.)	1,415.	
98611A	RAM-based BASIC 2.0 Language System. Includes system disc set, BASIC 2.0 Language Manual Kit, BASIC 2.0 Utilities Pack. (Order one flexible disc media option below.)	355.	
98612A	BASIC Extensions 2.1 (requires BASIC 2.0). Includes system extensions disc set and BASIC Extensions 2.1 Manual Kit. (Order one flexible disc media option below.)	505.	
98613A	RAM-based BASIC 3.0 Language System. Includes system disc set, BASIC 3.0 Language Manual Kit, BASIC 3.0 Utilities Pack. (Order one flexible disc media option below.)	860.	
Opt. 100	Delete manuals	-90.	
92238A/B	BASIC Extensions 2.1 Binary for 9133/4XV disc drives. (A=3½" media, B=5¼" media.) Binary included in 98612A and 98602A ROM BASIC.	42.	
98614A	RAM-based HPL 2.1 Language System. Includes system disc set, HPL Language Manual Kit, and HPL Utilities Disc. (Order one flexible disc media option below.)	355.	
98615A	RAM-based Pascal 2.1 Language System. Includes system disc set and Pascal 2.1 Language Manual Kit. (Order one flexible disc media option below.)	1,515.	
98615B	RAM-based Pascal 3.0 Language System. Includes system disc set and Pascal 3.0 Language Manual Kit. (Order one flexible disc media option below.)	995.	
Opt. 100	Delete manuals	-110.	
98615-87970	Pascal 3.0 Systems Internals Documentation	200.	
98613-10X40	Compiled Subprogram Utilities Series 200 for use with BASIC 3.0 and Pascal 3.0 (both are required for Csub use). Series 200 compiled subprogram utilities allows you to develop compiled programs in Pascal/Assembly. <b>Supplier:</b> HP, contact local office.	300.	
09800-10X40	Compiled Subprogram Utilities Series 200 for use with BASIC 2.0/Ext. 2.1 and Pascal 2.1 (both are required for Csub use). Series 200 compiled subprogram utilities allows you to develop compiled programs in Pascal/Assembly. <b>Supplier:</b> HP, contact local office.	300.	
Opt. 630 Opt. 650 Opt. 655	<b>Specify one media option for each language system ordered above.</b> For use in 3½" external flexible disc drives For use in 5¼" external flexible disc drives For use in 5¼" internal flexible disc drives	N/C	
98611R 98612R	<b>Series 200 Language System Rights</b> <b>Right to Reproduce BASIC 2.0 Language System</b> (2.0 manuals provided) <b>Right to Reproduce BASIC Extensions 2.1 System</b> (2.1 manuals provided)	275. 250.	
98613R 98614R 98615R 98615E Opt. A01	<b>Series 200 Language System Rights</b> <b>Right to Reproduce BASIC 3.0 Language System</b> flexible disc (manuals provided) <b>Right to Reproduce HPL 2.1 Language System</b> flexible discs (manuals provided) <b>Right to Reproduce Pascal Language System</b> flexible disc (manuals provided) <b>Right to Execute Pascal Language System</b> Volume discount for 99 additional copies	430. 175. 500. 250. 4,750.	

\* ROM-based BASIC 2.0 is not supported on the Model 217 or 237.

† HPL runs only on Models 216, 226, and 236.



## Series 200 HP-UX Operating Systems

Product No.	Description	Price			
		Part Number Suffix			
		Single-user		Multi-user	
A or B	M or R	A or B	M or R		
98670A Opt. 012 Opt. 005 Opt. 632 Opt. 635	<b>HP-UX Operating System.</b> Includes libraries; FORTRAN 77, Pascal, and C Compiler; Graphics/9000 DGL, MC68000 Assembler, and debugger on 1/4-inch cartridge tape. (Must specify Opt. 005 or 012.) Single-user HP-UX Operating System on 1/4-inch cartridge tape Additional copy Single-user HP-UX Operating System on 3 1/2-inch discs for 9817 only Additional copy of the single-user HP-UX Operating System on 3 1/2-inch discs for 9817 only	N/C \$2,500. 2,500. 1,250.	\$1,250.		
98680A Opt. 022 Opt. 005	<b>HP-UX Operating System.</b> Includes libraries; FORTRAN 77, Pascal, and C Compiler; Graphics/9000 DGL, MC68000 Assembler, and debugger on 1/4-inch cartridge tape. (Must specify Opt. 005 or 022.) Multi-user HP-UX Operating System on 1/4-inch cartridge tape Additional copy			N/C \$4,000.	\$2,000.
98797A Opt. 022 98797M 98797R	<b>RJE software for HP-UX single-user</b> (requires 98641A Interface) Software on 1/4-inch cartridge tape Right to reproduce one copy without right to sublicense Right to reproduce one copy with right to sublicense	1,010. N/C	505. 505.		
98798A Opt. 022 98798M 98798R	<b>RJE software for HP-UX multi-user</b> (requires 98641A Interface) Software on 1/4-inch cartridge tape Right to reproduce one copy without right to sublicense Right to reproduce one copy with right to sublicense			2,525. N/C	1,265. 1,265.

## Series 200 Language System Upgrade Kits

Product No.	Description	Returned Parts	Price* List/Exchange
98143A†	CPU Upgrade Kit for 9826, 9836	09826-66514 or -66515	\$1,500.
98143P†	Upgrade for 9816 to have ID Prom Capability	None	150.
98143U†	CPU Upgrade Kit to convert 9920, 9826, 9836, and 9836C to machine with MMU hardware and 12.5 MHz processor	09826-66514, -66515, or -66516	3,000.
98143T†	<b>HP-UX Processor Upgrade.</b> Includes HP-UX operating system software, high-performance CPU, 0.5 Mbyte RAM and DMA board. (Order one option below.) Opt. 012 Single-user Upgrade Opt. 022 Multi-user Upgrade	09826-66514, -66515, or -66516 None None	5,500. 7,000.
98613-17x30‡	RAM-based BASIC 1.0 or BASIC 2.0 to RAM-based BASIC 3.0	98261-10014 (BASIC 1.0 system disc) or 98611-10x04 (BASIC 2.0 system disc)	240.
98612-17x10‡	RAM-based BASIC Extensions 2.0 to RAM-based BASIC Extensions 2.1	None	200.
98615-17x20	RAM-based Pascal 2.1 to RAM-based Pascal 3.0	98615-12x54, 98615-11x54, or 98261-10154 (Pascal boot disc)	240.
98615-17x10‡	RAM-based Pascal 2.0 to RAM-based Pascal 2.1	None	240.
98615-17x00‡	RAM-based Pascal 1.0 to RAM-based Pascal 2.0	None	240.
98261-69114	ROM- or RAM-based BASIC 1.0 to RAM-based BASIC 2.0	98261-66511 and 98261-66512 (BASIC 1.0 ROM boards) or 98261-10014 (BASIC 1.0 system disc)	140.
98602-696x0	ROM-based BASIC 2.0 to ROM-based BASIC 2.0 plus Extensions 2.1	98261-66513 (BASIC 2.0 ROM board)	3,000./1,500.
98602-69661	ROM-based BASIC 1.0 to ROM-based BASIC 2.0 plus Extensions 2.1	98261-66511 and 98261-66512 (BASIC 1.0 ROM boards)	3,000./1,900.

\* Kit billed at list price. Returned parts are credited, making net cost equal the exchange price.

† Field installation is required at an additional cost.

‡ "x" denotes the media option: 3 is for use in 3 1/2" external flexible disc drives; 5 is for use in 5 1/4" external flexible disc drives; 6 is for use in 5 1/4" internal flexible disc drives.

Series 200 Language System Upgrade Kits (cont'd)

Product No.	Description	Returned Parts	Price* List/Exchange
98261-69613	ROM-based BASIC 1.0 to ROM-based BASIC 2.0	98261-66511 and 98261-66512 (BASIC 1.0 ROM boards)	\$1,700./650.
98614-17x00 <sup>‡</sup>	ROM- or RAM-based HPL 2.0 to RAM-based HPL 2.1	98261-66542 (HPL 2.0 ROM board) or 98614-10x04 (HPL 2.0 system disc)	1,400./100.
98261-69144	ROM- or RAM-based HPL 1.0 to RAM-based HPL 2.0	98261-66541 (HPL 1.0 ROM board) or 98261-10044 (HPL 1.0 system disc)	100.
98261-69642	ROM-based HPL 1.0 to ROM-based HPL 2.0	98261-66541 (HPL 1.0 ROM board)	1,500./370.
98613-17x31	Compiled Subprogram Utilities upgrade from 2.0 to 3.0	None	58.

\* Kit billed at list price. Returned parts are credited, making net cost equal the exchange price.

<sup>‡</sup> "x" denotes the media option: 3 is for use in 3 1/4" external flexible disc drives; 5 is for use in 5 1/4" external flexible disc drives; 6 is for use in 5 1/4" internal flexible disc drives.

## Series 200 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, and 46020A keyboard (U.S. 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, 1/2 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 Opt. 001	Software provided on 1/4-inch cartridge tape Upgrade discount to latest software version for owners of previous versions	N/C -800.					
9920A Opt.500	SRM Server System 9920A Option 500 includes: <ul style="list-style-type: none"> <li>• Model 220 computer</li> <li>• 98256A 256 Kbyte RAM boards (2 each)</li> <li>• 98620B DMA controller board</li> <li>• 98625A high-speed HP-IB interface</li> <li>• 98203A keyboard</li> <li>• 98204A composite video interface</li> <li>• 98028A SRM multiplexer</li> <li>• 98629A SRM interface</li> <li>• 98619A SRM operating system</li> </ul> Also requires 82912A or 82913A monitor.	4,500. 5,500.	— —	— —	— —	— —	

## Workstation Hardware

Product No./ Option No.	Description	Price	FMMC	PMMC	BMMC	SMMC	Total
<b>50961A</b> Opt. 200	<i>Hardware required in the Series 200 workstations to connect the SRM Servers via the coax link:</i> <b>SRM Coax Adapter and Interface</b> Includes Series 200 SRM interface card, coax adapter, and BNC T-connector Requires coax adapter in server and RG58C/U coax cables with BNC connectors <b>Coax Cables (PVC insulation, with BNC connector installed)</b>	\$ 945.	N/C	N/C	N/C	N/C	
92227A	1m coax cable						
92227B	2m coax cable						
92227C	4m coax cable						
92227D	8m coax cable						
92227E	16m coax cable						
92227F	32m coax cable						
92227G	64m coax cable						
92227H	128m coax cable						
	<b>Coax Cable (FEP insulation, without connector)</b>						
92227J	Cut-to-length, coax cable						
92227K	Cut-to-length, coax cable						
92227L	BNC connector pair for 92227J/K cables						
92227M	BNC connector tool kit						
92227N	BNC T-connector						
45695A	BNC 50 Ohm termination pair						
<b>98629A</b>	<i>Hardware required in the Series 200 workstations to connect the SRM Servers via the Multiplexer Link:</i> <b>SRM Interface</b> , requires 98028A Multiplexer for every four workstations and 97061 cables for each workstation	945.	N/C	N/C	N/C	N/C	
<b>97061A</b>	<b>10m SRM cable</b> , with connector installed both ends		N/C	N/C	N/C	N/C	
<b>97061B</b>	<b>25m SRM cable</b> , with connector installed both ends		N/C	N/C	N/C	N/C	
<b>97061C</b>	<b>60m SRM cable</b> , with connector installed both ends		N/C	N/C	N/C	N/C	
<b>97061D</b>	<b>60m SRM cable</b> , with connector installed one end, second connector supplied for installation by user		N/C	N/C	N/C	N/C	
<b>98028A</b>	<b>SRM Multiplexer</b> includes 1m data/power cable which must be connected to SRM interface in a Series 200 computer or server (except Model 216) 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	

## Workstation Software

Product No./ Option No.	Description	Price	FMMC	PMMC	BMMC	SMMC	Total
	<i>Software required in the workstations to connect to the SRM servers:</i>						
	<b>To connect Series 200 BASIC/Pascal systems:</b> The access software is included in BASIC and Pascal operating systems revision 2.1 or later.	N/C					
	<b>To connect Series 200 HP-UX systems:</b>						
<b>98693A</b> Opt. 022 Opt. 045	<b>SRM Access Utilities for HP-UX</b> Software on ¼-inch tape cartridge Software on 3½-inch flexible disc	\$500. N/C N/C	N/A	N/A	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 200 Configuration Guide.

### Data Storage (270 Kbytes – 20 Mbytes)

Product No./ Option No.	Description	Price	FMMC	PMMC	BMMC	SMMC	Total
9125S	270 Kbyte, 5¼" flexible single master disc	\$ 1,200.	\$ 4.	\$ 7.	\$11.	\$14.	
9122D	2 x 630 Kbyte, 3½" flexible dual master disc	1,390.	3.	6.	9.	12.	
9122S	630 Kbyte, 3½" flexible single master disc	1,090.	2.	4.	6.	8.	
9895A Opt. 010	2 x 1.2 Mbyte, 8" flexible dual master disc Delete second drive	5,910. -1,330.	19. -12.	38. -23.	61. -29.	77. -36.	
9153A	10 Mbyte Winchester disc with 3½" 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" 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.	

## Printers

### Characters Per Second

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

### Lines Per Minute

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

### Pages Per Minute

Product No./ Option No.	Description	Price	FMMC	PMMC	BMMC	SMMC	Total
<b>2686A</b>	<b>8 ppm Laser Page Printer</b>	\$ 3,495.	\$20.	\$39.	\$ 62.	\$ 78.	
<b>2688A</b> Opt. 040 Opt. 850	<b>12 ppm Laser Page Printer</b> Delete IFS/3000 software Printer, HP-IB interface, configured for Series 200 or 500 (required)	29,950. -4,000.	N/A N/A N/A	N/A N/A N/A	218. N/C N/C	269. N/C N/C	

## Monitors, Plotters, and Other Graphic Devices

Product No./ Option No.	Description	Price	FMMC	PMMC	BMMC	SMMC	Total
17623A	2623A/27A Graphics Tablet	\$ 1,920.	\$ 3.	\$ 6.	\$ 10.	\$ 12.	
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.	
97060A	Graphics Processor for use with 13279B	17,680.	N/A	N/A	53.	66.	
97060T	Graphics Processor System, includes 13279B and 27112A	21,700.	N/A	N/A	178.	222.	

\* Opt. 051 orders manual options for use with the HP 9000 Series 200.

## Terminals and Displays

Product No./ Option No.	Description	Price	FMMC	PMMC	BMMC	SMMC	Total
2392A	12-inch Alphanumeric Display Terminal, 47-66 Hz, 115 Vac	\$ 1,295.	\$ 3.	\$ 6.	\$ 10.	\$ 12.	
Opt. 160	Adds approximately two pages of display memory	200.	N/C	N/C	N/C	N/C	
Opt. 301	U.S. modem cable	65.	N/C	N/C	N/C	N/C	
2623A	12-inch Alpha/Graphics Display Terminal	3,250.	8.	18.	29.	36.	
Opt. 301	U.S. modem cable	79.	N/C	N/C	N/C	N/C	
Opt. 302	European modem cable	79.	N/C	N/C	N/C	N/C	
2624B	12-inch Alphanumeric Data Entry Terminal, 58-63 Hz, 120 Vac	3,035.	8.	16.	26.	32.	
Opt. 301	U.S. modem cable	79.	N/C	N/C	N/C	N/C	
Opt. 302	European modem cable	79.	N/C	N/C	N/C	N/C	
2625A	HP 2623/IBM 3276 Graphics Terminal, 50/60 Hz, 100/200/240 Vac	3,495.	6.	12.	19.	24.	
Opt. 401	Add tilt and swivel base	50.	N/C	N/C	N/C	N/C	
Opt. 523	Add graphics features	640.	N/C	N/C	N/C	N/C	
2627A	Color Graphics Terminal, 60 Hz, 110 Vac	5,975.	10.	20.	28.	34.	
Opt. 301	U.S. modem cable	79.	N/C	N/C	N/C	N/C	
Opt. 302	European modem cable	79.	N/C	N/C	N/C	N/C	
2628A	HP 2623/HP WORD Graphics Terminal, 50/60 Hz, 100/200/240 Vac	3,195.	7.	13.	20.	26.	
Opt. 401	Adds tilt and swivel base	50.	N/C	N/C	N/C	N/C	
Opt. 523	Adds graphics features	640.	N/C	N/C	N/C	N/C	
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.	

## Miscellaneous Peripherals

Product No./Option No.	Description	Price	FMMC	PMMC	BMMC	SMMC	Total
13264A	DSN/DL Data Link Adapter Pod	\$ 350.	N/C	N/C	N/C	N/C	
13265A	300 Baud Modem	500.	N/C	N/C	N/C	N/C	
13266A	Current Loop Adapter Pod	200.	N/C	N/C	N/C	N/C	
37212A	1200 Baud Modem	1,046.	N/A	N/A	\$ 3.	\$ 4.	
39800A	Programmable Bar Code Reader	1,150.	\$ 2.	\$ 4.	5.	6.	
39801A	Bar Code Reader, 48-66 Hz, 120 Vac	965.	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	
6942A	Multiprogrammer	4,400.					
6944A/S	Series 200 Multiprogrammer, 47-63 Hz, 100/120/220/240 Vac	3,700.					
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	
98028A	SRM Multiplexer	680.	N/A	N/A	N/A	N/A	
98777A	Camera Attachment for 9020C	1,310.	N/C	N/C	N/C	N/C	

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

## HP 9000 Accessories

Product No.	Description	Price	Total
92240C	Display Tilt Unit for Model 216	\$ 65.	
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.	
13269P	Model 16 Soft Carrying Case (will also hold 9121S/D)	125.	
13269T	Tilt Unit/Swivel Base/9121S/D Soft Carrying Case	40.	
35722A	Tilt and Swivel Unit for 35721A/B/C Display	95.	
9222-0817	Dust Cover for Model 226	30.	
9211-2662	Fibreglas Transit Case for Model 226 or Model 236 Base	570.	
9211-2652	Fibreglas Transit Case for Model 236 Top	550.	
1490-0913	Caster Kit for Transit Case	220.	
92211L	Taboret Cabinet Rack for Models 217/550 and 325 mm-wide peripherals	195.	
92211M	Taboret Cabinet Rack for Model 220 and 325 mm-wide peripherals	165.	
92211R	HP Design Plus Mobile Mini-rack for 325 mm-wide peripherals	550.	
97063A	Tilt and Swivel Unit for 19-inch Display Monitors	195.	
97064A	CAD Table, 68-66 Hz, 120 Vac (supports 13279B Monitor), included as standard	2,525.	

## HP 9000 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.	
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 software and 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 200 Operating Systems Support Services

### Series 200 Language Systems

*Note: AMS is not offered for Series 200 BASIC, HPL, and Pascal language systems.*

Software Product No.	RCS	SMS	Additional System Coverage	Extended SMS	Additional Caller
<b>98601A ROM BASIC</b>			+ V00 \$10/mo	+ W00 \$3/mo	
<i>Note: One of the following media options must be specified for the 98601A:</i>					
5¼" internal flexible disc option	+ H42 \$45/mo	+ S42 \$5/mo	+ V42 N/C	+ W42 N/C	
5¼" external flexible disc option	+ H43 \$45/mo	+ S43 \$5/mo	+ V43 N/C	+ W43 N/C	
3½" flexible disc	+ H44 \$45/mo	+ S44 \$5/mo	+ V44 N/C	+ W44 N/C	
<b>98602A ROM BASIC + Extensions</b>			+ V00 \$15/mo	+ W00 \$5/mo	98081A + P00 \$75/mo
<i>Note: One of the following media options must be specified for the 98602A:</i>					
5¼" internal flexible disc option	+ H42 \$70/mo	+ S42 \$5/mo	+ V42 N/C	+ W42 N/C	N/A
5¼" external flexible disc option	+ H43 \$70/mo	+ S43 \$5/mo	+ V43 N/C	+ W43 N/C	N/A
3½" flexible disc	+ H44 \$70/mo	+ S44 \$5/mo	+ V44 N/C	+ W44 N/C	N/A
<b>98604A ROM HPL</b>	+ H00 \$45/mo	+ S00 \$5/mo	+ V00 \$10/mo	+ W00 \$2/mo	+ P00 \$75/mo
<b>98613A RAM BASIC 3.0</b>			+ V00 \$10/mo	+ W00 N/C	+ P00 \$75/mo
<i>Note: One of the following media options must be specified:</i>					
5¼" internal flexible disc option	+ H42 N/C	+ S42 N/C	+ V42 \$5/mo	+ W42 \$5/mo	N/A
5¼" external flexible disc option	+ H43 N/C	+ S43 N/C	+ V43 \$5/mo	+ W43 \$5/mo	N/A
3½" flexible disc	+ H44 N/C	+ S44 N/C	+ V44 \$5/mo	+ W44 \$5/mo	N/A
<b>98614A RAM HPL*</b>	+ H00 \$45/mo	+ S00 \$5/mo	+ V00 \$10/mo	+ W00 \$2/mo	+ P00 \$75/mo
<b>98615B Pascal Operating System†</b>			+ V00 \$10/mo	+ W00 \$5/mo	+ P00 \$75/mo
<i>Note: One of the following media options must be specified:</i>					
5¼" internal flexible disc option	+ H42 \$75/mo	+ S42 \$40/mo	+ V42 \$20/mo	+ W42 \$10/mo	N/A
5¼" external flexible disc option	+ H43 \$75/mo	+ S43 \$40/mo	+ V43 \$20/mo	+ W43 \$10/mo	N/A
3½" flexible disc	+ H44 \$75/mo	+ S44 \$40/mo	+ V44 \$20/mo	+ W44 \$10/mo	N/A
<b>98619A SRM Server</b>			+ 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

\* There will be no updates to the HPL software; therefore, no media options are specified when ordering HPL support services.

† 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

**Series 200 HP-UX Software Support**

Software Product No.	RCS	SMS	Additional System Coverage	Extended SMS	MUS	Additional Caller
<b>98670A HP-UX, Single-user</b>			+ V00* \$25/mo	+ W00* \$10/mo	+ Q00 \$3/mo	+ P00 \$100/mo
Tape Cartridge (for Models 220, 226, 237 only)	+ H22 \$130/mo	+ S22 \$55/mo	+ V22 \$10/mo	+ W22 \$10/mo	N/A	N/A
Microfloppy (for Model 217 only)	+ H45 \$130/mo	+ S45 \$40/mo	+ V45 \$10/mo	+ W45 \$10/mo	N/A	N/A
<b>98680A HP-UX, Multi-user</b>			+ V00* \$45/mo	+ W00* \$10/mo	+ Q00 \$3/mo	+ P00 \$100/mo
Tape Cartridge	+ H22 \$165/mo	+ S22 \$65/mo	+ V22 \$10/mo	+ W22 \$10/mo	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.

**Series 200 Category Support Services**

Category Support Services do not include software materials subscription. To obtain SMS for a product in a category, SMS

for that product must be ordered separately. See "SMS for Products in Categories" section below.

Category	Category Support	Additional System Coverage	MUS
<b>Languages</b> 98612A BASIC Extensions	99081F + C00 \$20/mo	99081F + V00 \$5/mo	N/A
<b>Data Management</b> 33402A HP Te <sub>x</sub> 98819A HP TechWriter	99083F + C00 \$20/mo	99083F + V00 \$5/mo	N/A
<b>Datacomm A</b> 98790A HP 2622 Terminal Emulator 98791B HP 2392A/VT100 Terminal Emulator 98792A TEK 4010 Terminal Emulator 98795A IBM 3278 Terminal Emulator 98797A RJE, Single-user 98798A RJE, Multi-user	99085F + C00 \$5/mo	99085F + V00 \$3/mo	N/A
<b>Utilities</b> 98645A Software Utilities for the 98640A ADC Board	99084F + C00 \$20/mo	99084F + V00 \$5/mo	99084F + Q00 \$3/mo

**Series 200 SMS for Products in Categories**

Software Product	SMS	Extended SMS
98612A BASIC Extensions	98612A + S00 \$10/mo	98612A + W00 \$2/mo
33402A HP Te <sub>x</sub>	33402A + S00 \$10/mo	33402A + W00 \$5/mo
98819A HP TechWriter	98819A + S00 \$15/mo	98819A + W00 \$5/mo
98790A HP 2622 Terminal Emulator	98790A + S00 N/A	98790A + W00 N/A
98791B VT100 Terminal Emulator	98791B + S00 \$5/mo	98791B + W00 \$2/mo
98792A TEK 4010 Terminal Emulator	98792A + S00 \$5/mo	98792A + W00 \$2/mo
98795A IBM 3278 Terminal Emulator	98795A + S00 \$5/mo	98795A + W00 \$3/mo
98797A RJE, Single-user	98797A + S00 \$5/mo	98797A + W00 \$2/mo
98798A RJE, Multi-user	98798A + S00 \$15/mo	98798A + W00 \$5/mo

**Series 200 Software Notification Service (SNS)**

Service	SNS
SNS for Series 200 Pascal, HPL, and BASIC	98081A + N00 \$3/mo
SNS for Series 200 HP-UX	97006A + N00 \$3/mo

**Series 200 Family Support Services**

Family	AMS	RCS	EMS
<b>Computer-aided ME</b> 98305A HP EGS/200 98310A Photoplot and N/C Drill Tape Utilities 98311A HP EGS to IGES Translator 98353A HP Finite Element 98360A HP Draft 98464A NC 98464DA NC German	99107F + T00 \$110/mo	99107F + H00 \$60/mo	99107F + V00 \$25/mo

**Series 200 SMS for Products in Families**

Software Product	SMS	Extended SMS
98305A HP EGS/200	98305A + S00 \$40/mo	98305A + W00 \$8/mo
98310A Photoplot and N/C Drill Tape	98310A + S00 \$25/mo	98310A + W00 \$5/mo
98311A HP EGS to IGES Translator	98311A + S00 \$25/mo	98311A + W00 \$5/mo
98353A HP Finite Element	98353A + S00 \$45/mo	98353A + W00 \$9/mo
98360A HP Draft	98360A + S00 \$30/mo	98360A + W00 \$6/mo
98464A NC	98464A + S00 \$45/mo	98464A + W00 \$9/mo
98464DA NC German	98464DA + S00 \$45/mo	98464DA + W00 \$9/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 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.

