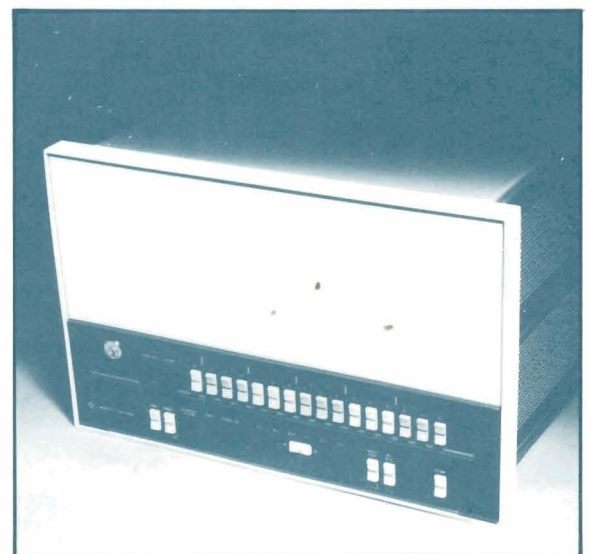
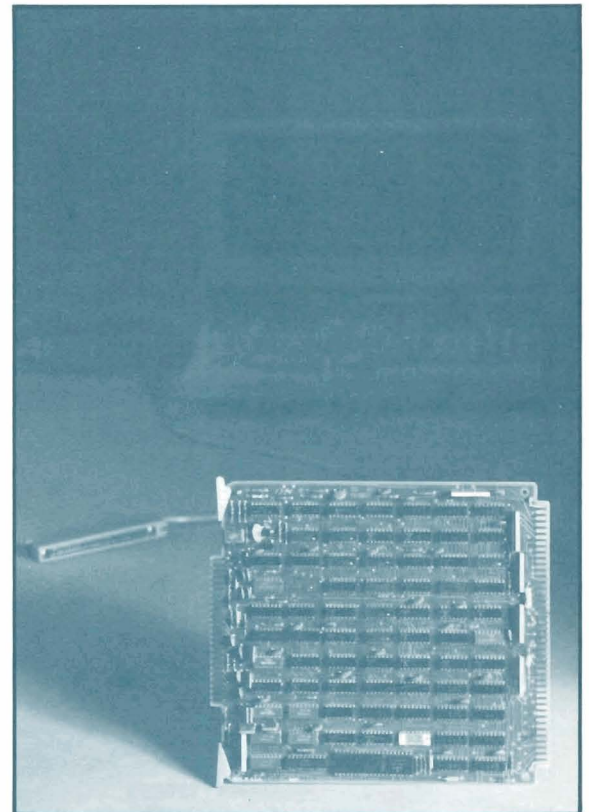


HP 1000 E-Series Computer Systems



Ordering Guide

Effective January 1, 1988



Product Number Index

12250A	8	12830A	8	24396A+S00/W00	15	92073A	12
12260A	8	12834A	8	24396E/H	11	92073A+S00/W00	14
12531C	8	12892B	7	24602A	8	92081A+S00/W00	13
12531D	8	12897B	7	29402C	9	92082A	12
12539C	7	12898A	7	29431G	10	92082A+S00/W00	13
12551B	9	12903B/C	10	35076B	10	92083A+S00/W00	13
12554A	9	12930A	9	37203A	9	92084A/R	11
12556B	9	12944B	7	40017B	9	92084A+Xnn	12
12566C	9	12966A	8	40026A	10	92084K	10
12597A	9	12967A	8	59310B	9	92091A	12
12618A	8	12968A	8	91200B	9	92091A+S00/W00	15
12620A	9	12979C	7	91711B	11	92101A	11
12666H	7	12991B	7	91711B+Q00/S00/W00	15	92101A+S00/W00	13
12673B	9	12992B/D/J/L	7	91720A	10	92120A	12
12675B	9	13197A	7	91721A	10	92130A	12
12679B/C	10	13304A	10	91730A	12	92400A	12
12680B-85B	10	13306B	7	91730A+S00/W00	14	92400A+S00/W00	13
12699H	7	13307B	7	91731A	12	92830A+N00	10
12728J	10	2102B	7	91740A	12	92832A	12
12731A	7	2102E	7	91740A+S00/W00	14	92832A+S00/W00	13
12739G	7	2102H	7	91741A	12	92833A+S00/W00	13
12746H	7	2109E	6	91741A+S00/W00	14	92834A	12
12747H	7	2109EK	10	91745A	12	92834A+S00/W00	13
12749H	7	2113E/ER	6	91745A+S00/W00	14	92835A	12
12771A	10	2117FR	6	91747A	12	92835A+S00/W00	15
12773A	10	2178C/CR	6	91747A+S00/W00	14	92836A+S00/W00	13
12777A	7	2179CR	6	91750A+Snn/Wnn	14	92840A	12
12780H	7	22959C	10	91751A+Snn/Wnn	14	92840A+S00/W00	14
12788A-H	7	22960C	10	91780A	12	92841A	12
12789J-M	7	22961C	10	91780A+S00/W00	14	92841A+S00/W00	14
12790A	8	22962C	10	91781A+S00/W00	14	92842A	12
12791A	7	22968C	10	91782A+S00/W00	14	92842A+S00/W00	14
12792C	8	22969C	10	91784A+S00/W00	13	92851A	10
12793B	8	22970C	10	92061A	11	92857A+S00/W00	13
12794B	8	22985B	10	92061A+S00	13	92860A+S00/W00	13
12821A	9	22985C	10	92066A	12	92861A+S00/W00	13
12823A+S00	7	22988A	10	92066A+S00/W00	13	92862A+S00/W00	13
12825A	8	22989C	10	92068A	12	94250Z	10
12826B	8	22991B	10	92068A+Xnn	12	94250A+S00/W00	13
				92069A+S00/W00	13	99081D+C00/Q00/W00	13
						99082D+C00/Q00/W00	13
						99083D+C00/Q00/W00	13
						99086D+C00/Q00/W00	14
						99087D+C00/Q00/W00	14

HP Computer Museum
www.hpmuseum.net

For research and education purposes only.

Table of Contents

**PERIPHERAL DEVICE SUPPORT IN
HP 1000 E-SERIES SYSTEMS 4**

**SYSTEMS, COMPUTERS, AND INTERFACES
HARDWARE ORDERING INFORMATION**

E/F-Series System Processor Units (SPUs) 6
 E/F-Series Computers 6
 E/F-Series I/O Extender 7
 E/F-Series Accessories 7
 E/F-Series Memory Products 7
 E/F-Series Interfaces 8

**PERIPHERAL DEVICES ORDERING
INFORMATION**

See the appropriate sections of the HP 1000
A-Series Ordering Information (5954-8580(D)).

**MISCELLANEOUS PRODUCTS ORDERING
INFORMATION**

Cabinets and Accessories 9
 Documentation Products 10
 Training Services 10
 HP 1000 Products Not Recommended for
New Applications 10

**SOFTWARE PRODUCTS ORDERING
INFORMATION**

Active Software Operating Systems 11
 For Other Active software, see the appropriate
sections of the HP 1000 A-Series Ordering
Information (5954-8580(D)).
 Active Diagnostics Software 11
 Mature Software 11
 Inactive Software 12

**SOFTWARE SUPPORT PRODUCTS ORDERING
INFORMATION**

Operating Systems Software Support 12
 Programming Languages Software Support 13
 Productivity Tools Software Support 13
 Data Management Software Support 13
 Data Communications "B" Software Support . . . 14
 Data Communications "C" Software Support . . . 14
 Software Materials Subscription Service (SMS)
and other Support Products for Diagnostics
and Other Non-category Software 15



Peripheral Device Support in HP 1000 E-Series Systems

Only the peripherals listed in this HP 1000 E-Series Peripheral Device Support section are supported by Hewlett-Packard for use with HP 1000 E-Series Systems. The devices listed here have been tested for correct functioning when interfaced as indicated herein and, where applicable, have also been qualified for safety under UL, CSA, and IEC standards and have been checked to assure that they meet U.S. and German regulatory requirements for Electro-Magnetic Interference (EMI). Other devices, including new Hewlett-Packard terminals, printers, discs, etc., or older discontinued ones may be functionally compatible and usable, but until they have been tested and appear in this section, along with appropriate interface and use recommendations, they are NOT supported for use on HP 1000 E-Series Systems. Such use and any adverse consequence arising from it is solely the customer's responsibility.

System Console and Additional Terminals

Product Number and Name	Connects to system via		
	SPU Opt. ★	12966A w/Cable Option	12792C Mpxer and
2392A Display Terminal 2393A Graphics Terminal 2397A Color Graphics Terminal	006	106	40242M cable
72425A Vectra Model 25 PC 72445A Vectra Model 45 PC	n/s	n/s	24542M cable
2382A Office Display Terminal* 2621B Display Terminal* 2625A Dual Syst Terminal* 2628A Word Processing Terminal* 45610B Touchscreen Terminal*	006	106	40242M cable
2622A Display Terminal* 2623A Graphics Terminal* 2624B Display Terminal* 2626A Display Station* 2627A Graphics Terminal*	005	105	13222Y cable
2645A Display Station* 2648A Graphics Terminal*	007†	n/a	n/a

★ HP 2176E or 2178C Option 005, 006, or 007 selects the cable that is provided for connection from the included 12966A Buffered Asynchronous Communications Interface to the terminal used as system console. The system console cannot be connected to E-Series systems via the 12792C Multiplexer.

* Identifies discontinued terminal, listed here for reference only. Currently marketed terminals supported on the HP 1000 E-Series are listed in boldface.

† SPU option 007 is available for connection of a previously purchased 2645A or 2648A Terminal with terminal option 007 as system console.

n/s = not supported n/a = not available

NOTE: Vectra PC requires AdvanceLink software.

Discs

Product Number and Name	Connects to system via		Support Code
	SPU Opt.	or:	
7907A 41 MB Fixed & Removable Discs 7936H† 307 MB Fixed Disc 7937H† 571 MB Fixed Disc	061	12821A interface	B ☆
7942A 23 MB Fixed w/CTU 7946A 55 MB Fixed w/CTU	022	12821A interface	B, L ‡
7957A 81 MB Fixed Disc 7958A 130 MB Fixed Disc	061	12821A interface	B ☆
7906M 19.6 MB MAC Master Cartridge Disc*	031	13175D* interface	B, L ☆
7911P/R 28 MB Fixed w/CTU* 7912P/R 65 MB Fixed w/CTU* 7914P/R 131 MB Fixed Disc with CTU*	022	12821A interface	B, L ‡
7914CT 131 MB Fixed Disc with CTU*	061	12821A interface	B ☆ ■
7914ST 131 MB Fixed Disc with 1600 cpi MTU* 7914TD 131 MB Fixed Disc with 1600 cpi MTU*	061	12821A interface	B, L
7920M 50 MB MAC Master Disc*	n/a	13175D* interface	P
7925M 120 MB MAC Master Disc*	033	13175D* interface	B, L ☆
7933H† 404 MB Fixed Disc* 7935H† 404 MB Removable Media Disc* 7941A 23 MB Fixed Disc* 7945A 55 MB Fixed Disc*	061	12821A interface	B ☆
9895A 2.3 MB Dual Flexible Disc Drive*	n/a	12821A interface	P

Support Codes: B = Boot device L = Load Device
P = Usable only as peripheral disc

☆ Requires a separate 1600 cpi Magnetic Tape Unit for software loading and/or backup.

† The 7936XP, 7937XP, 7933XP, and 7935XP Discs with cache memory are NOT supported in E-Series systems.

* Identifies discontinued product, listed here for reference only. Currently marketed discs and interfaces supported on the HP 1000 E-Series are listed in boldface.

‡ This disc-CTU combination loads RTE-6IVM offline, using pushbutton restore.

■ The CTU with this disc can be used only for loading updates. Diagnostics must be loaded from a 9144A Cartridge Tape Subsystem. It does NOT support boot-up.

n/a = not applicable.

NOTE A: Option 022 or 061 or 12821A interface supports up to four discs.

NOTE B: Option 031 or 033 or 13175D interface supports one MAC master disc and up to seven MAC slave discs.

Magnetic Tape Units (MTUs) and Cartridge Tape Subsystems

Product Number and Name	Connects to system via		Support Code
	SPU Opt.	or:	
7974A 1600 cpi ♦ MTU 7978B 6250/1600 cpi MTU	061	12821A interface	B, L
9144A Cartridge Tape S/S	022	12821A interface	L ■
7970E 1600 cpi MTU*	061	7970E Opt 226	B, L
7971A 1600 cpi MTU*	061	7971A Opt 260	B, L

Support Codes: B = Boot device L = Load Device

♦ 7974A Option 800, which adds 800 cpi capability, is also supported.

■ This cartridge tape subsystem can be used only for loading updates and diagnostics. It does NOT support boot-up.

* Identifies discontinued MTU, listed here for reference only. Currently marketed MTUs and interfaces supported on the HP 1000 E-Series are listed in boldface.

NOTE A: 12821A interface supports a maximum of two Magnetic Tape Units OR a maximum of four discs and 9144A Cartridge Tape Subsystems.

NOTE B: SPU option 061 does NOT include interface to a Magnetic Tape Unit. Interface to Magnetic Tape Unit(s) must be purchased separately.

Currently Marketed Printers

Product Number and Name	Connects to system via Interface+Cable
2225D 150 cps ThinkJet	12792C+13242N
2563B+049 300 LPM Line Printer 2564B+049 600 LPM Line Printer 2566B+049 750 LPM Line Printer 2932A 200 cps G. P. Printer 2934A 200 cps Office Printer	12792C+92219G (12792C supports up to 8 devices, each requiring its own cable)
2563B+100 300 LPM Line Printer 2564B+100 600 LPM Line Printer	26099A+ included cable supports one printer
2563B+210 300 LPM Line Printer 2564B+210 600 LPM Line Printer 2566B+210 880 LPM Line Printer	12821A+ included cable supports one printer

Discontinued Printers*

Product Number and Name	Connects to system via Interface+Cable
2563A+049 300 LPM Line Printer* 2565A+049 600 LPM Line Printer* 2566A+049 750 LPM Line Printer*	12792C♦+92219G
2563A+100 300 LPM Line Printer* 2565A+100 600 LPM Line Printer*	26099A+ included cable supports one printer
2563A+210 300 LPM Line Printer* 2565A+210 600 LPM Line Printer* 2566A+210 880 LPM Line Printer*	12821A+ included cable supports one printer
2608S+210 400 LPM Line Printer*	Opt 210 interface
2611A+100 600 LPM Line Printer* 2613A+100 300 LPM Line Printer* 2617A+100 600 LPM Line Printer* 2619A+100 1000 LPM Line Printer*	Opt 100 (12845A) interface
2631A/B+210 180 cps Printer*	Opt 210 (12845A) interface
2686A LaserJet Printer* 2686A+300 LaserJet Plus Printer*	12792C♦+13242N

* Discontinued printer are listed here for reference only.

♦ 12792C supports up to 8 devices, each requiring its own cable.

Plotters and Graphics Tablet

Product Number and Name	Connects to system via Interface+Cable
7440A+001 ColorPro Plotter 7475A+001 Graphics Plotter	12792C♦+13242N
7550A Graphics Plotter	12792C♦+17355D
7570A DraftPro Plotter	12792C♦+13242N
7440A+002 ColorPro Plotter 7475A+002 Graphics Plotter 7550A Graphics Plotter 7570A+17570A DraftPro Plotter	59310B+10833x cable for 2nd through 8th device on the HP-IB bus
7470A+001 Graphics Plotter* 7580A/B+060 Drafting Plotter* 7585A/B+060 Drafting Plotter* 7586A/B+060 Drafting Plotter*	12792C♦+13242N
7225B+17601A Graphics Plotter* 7470A+002 Graphics Plotter* 7580A/B+060 Drafting Plotter* 7585A/B+060 Drafting Plotter* 7586A/B+060 Drafting Plotter* 9111A Graphics Tablet* 9872A/C/S/T Graphics Plotter* 9874A Digitizer*	59310B+10833x cable for 2nd through 8th device on the HP-IB bus

♦ 12792C supports up to 8 devices, each requiring its own cable.

* Identifies discontinued product, listed here for reference only. Currently marketed plotters and interfaces supported on the HP 1000 E-Series are listed in boldface.

E/F-Series System Processor Units (SPUs)

NOTE A: All systems orders must specify coordinated shipment with system console and system disc on the same section of the order as the SPU and must include ONE Connect Option and ONE software Media Option.

NOTE B: For software support, see pages 12 through 15.

Prod.No., Description, & Options	Price/BMMC
----------------------------------	------------

MODEL 60 (E-SERIES) SPU

NOTE C: Software other than the operating system must be installed in the Model 60 using a cartridge tape unit in a 791xP/R disc or a mag tape unit.

MUST ORDER ONE of Connect Options 005 or 006, ONE of Media Options 022, 031, 033, 060, or 061, system console, and system disc. TO SUPPORT THE RTE-6/VM PRIMARY SYSTEM, ALSO ORDER 217XC MEMORY DELETE OPTION 014 AND 512 kB OR MORE MEMORY.

Prod.No., Description, & Options	Price/BMMC
2178C HP 1000 MODEL 60 SPU with (2200) RTE-6/VM, 256 kB mem, exp to 2048 kB, & 10 av I/O chan in 56-in. steel cabinet.	\$25,750d/\$ 160
-005 5m/16.4 ft Cable to system consoles with 50-pin connector	0f/ 0
-006 5m/16.4 ft Cable to consoles with 25-pin connector	0f/ 0
-014 Deletes std memory pkg (must order 512 kB or more memory (page 7) to support RTE-6VM primary system	-4,320f/ -30
-015 230V/50 Hz ac power	0f/ 0
-022 CS/80 cartridge tape media	1,650f/ 6
-031 7906M/MR MAC disc cartridge media	1,030f/ 6
-033 7925M MAC disc pack media	2,425f/ 6
-050 Cabinet adaptation for rack mounting 7906MR+025 disc	0f/ 0
-053 Lower door with ventilation louvers instead of cutout for 791xR rack mounted disc	0f/ 0
-060 800 cpi mag tape media (CS/80 format)	1,650f/ 6
-061 1600 cpl mag tape media (CS/80 format)	1,650f/ 6

NOTE: Multiple interfaces can be used to connect discs, but the aggregate data transfer rate cannot exceed the I/O bandwidth of the computer. THIS RESTRICTION MAY PRECLUDE DMA ACCESS VIA TWO DISC INTERFACES AT THE SAME TIME, particularly in HP 1000 E-Series Computers with standard performance memory.

REMARKETED MODEL 60 (E-SERIES) AND 65 (F-SERIES) SPUS

Prod.No., Description, & Options	Price/BMMC
2178CR Remarketed HP 1000 MODEL 60 (C100) SPU with RTE-6/VM, 256 kB mem, exp to 2048 kB, & 10 av I/O chan in 56-in. cabinet.	\$21,450n/\$ 160
-005 5m/16.4 ft Cable to system consoles with 50-pin connector	0f/ 0
-006 5m/16.4 ft Cable to consoles with 25-pin connector	0f/ 0
-014 Deletes std memory pkg (must order 512 kB or more memory (page 7) to support RTE-6VM primary system	-3,695f/ -30
-015 230V/50 Hz ac power	0f/ 0
-022 CS/80 cartridge tape media	1,405f/ 6
-031 7906M/MR MAC disc cartridge media	875f/ 6
-050 Cabinet adaptation for rack mounting 7906MR+025 disc	0f/ 0

E/F-Series System Processor Units (SPUs), continued

Prod.No., Description, & Options	Price/BMMC
REMARKETED MODEL 60 (E-SERIES) AND 65 (F-SERIES) SPUS, continued	
2178CR Remarketed HP 1000 Model 60 SPU, continued	
-053 Lower door with ventilation louvers instead of cutout for 791xR rack mounted disc	0f/ 0
-060 800 cpl mag tape media (CS/80 format)	1,405f/ 6
-061 1600 cpl mag tape media (CS/80 format)	1,405f/ 6
2179CR Remarketed HP 1000 Model 65 (C100) SPU with RTE-6/VM, 256 kB mem, exp to 2048 kB, 10 av I/O chan in 56-in. cabinet, and same options as 2178CR, above.	\$29,500n/\$ 181

E/F-Series Computers

Prod.No., Description, & Options	Price/BMMC
E-SERIES COMPUTERS	
2109E# E-Series Computer w/64 kB (2200) memory, exp to 1.5 MB, and 9 I/O channels	\$11,400d/\$ 97
-003 FAB board instead of FEM bd	0d/ 0
-014 Deletes memory controller and 64 kB of memory (must order other HP memory)	-2,240d/ -16
-015 230V/50 Hz ac power	0f/ 0
2113E# E-Series Computer w/128 kB (2200) memory Expandable to 2.0 MB, and 14 I/O channels	\$14,150d/\$ 124
-003 FAB board instead of FEM bd	0d/ 0
-013 64 kB mem instead of 128 kB	-1,280f/ -20
-014 Deletes mem ctrlr, 128 kB of memory, and dyn mapping sys (must order other HP memory)	-3,505f/ -36
-015 230V/50 Hz ac power	0f/ 0
-065 Modification for use in HP 3065 HP 3065 Board Test System	2,835f/ 2

REMARKETED F-SERIES COMPUTER

Prod.No., Description, & Options	Price/BMMC
2117FR# Remarketed F-Series Computer w/128 kB memory, expandable to 2.0 MB, & 14 I/O chan	\$18,000n/\$ 145
-014 Deletes mem ctrlr, 128 kB of memory, and dyn mapping sys (must order other HP memory)	-3,120f/ -36
-015 230V/50 Hz ac power	0f/ 0
# This product does not comply with FCC or FTZ EMI regulations.	

E/F-Series I/O Extender

Prod.No., Description, & Options	Price/BMMC
12979C Dual-Port I/O Extender (16 (2200) additional I/O channels; max. of two per computer)	\$ 6,430f/\$ 20
-001 Changes to meet EMI req. (max. of one 12979C opt 001 I/O Extender per computer or System Processor Unit)	0f/ 0
-015 230V/50 Hz ac power	0f/ 0
-016 RFI certification for 12979C option 015 I/O Extender	0f/ 0
12979BR Remarketed Dual-Port I/O Extender (16 additional I/O chan; max. of two per computer)	\$ 5,470f/\$ 16
-015 230V/50 Hz ac power	0f/ 0
12898A Dual Channel Port Controller (2200) for 12979B/C.	\$ 375f/\$ 13

E/F-Series Accessories

Order from Supplying Division 2200 unless otherwise specified under the product number.

Prod.No., Description, & Options	Price/BMMC
12539C Time Base Gen (Uses 1 I/O ch) (5200)	\$ 435f/\$ 3
12539CR Remarketed 12539C (C100)	\$ 350f/\$ 3
12777A Priority Jumper Card (5200)	\$ 73f/\$ 0
12791A Firmware Expansion Module (FEM) (Uses 1 I/O channel)	\$ 620f/\$ 3
12823A+S00 Firmware-only SSS for Std (5010) F-Series firmware	/ \$ 5s
12897B Dual Channel Port Controller	\$ 815f/\$ 10
12897BR Remarketed 12897B (C100)	\$ 700f/\$ 10
12944B Power Fail Recovery System for 2109E	\$ 925f/\$ 13
12991B Power Fail Recovery System for 2113E or 2117F	\$ 1,095f/\$ 13
12992B RPL-Compatible MAC Disc Loader ROM	\$ 107f/ 0
12992D 7970 Mag Tape Loader ROM	\$ 107f/ 0
12992J CS/80 Disc Loader ROM	\$ 107f/ 0
12992L 7974A/7978A/B Loader ROM	\$ 107f/ 0
13197A 1k Writable Control Store	\$ 2,150f/\$ 15
13306B E-Series Fast FORTRAN Processor (FFP) for use on FEM or FAB board	\$ 705f/\$ 2
-100 For computers w/serial prefix earlier than 2116.	102f/ 0
13306A+S00 Firmware-only SMS for (5010) FPP	/ \$ 5s

E/F-Series Memory Products

Order from Supplying Division 2200 unless otherwise specified under the product number.

Memory in HP 1000 E-Series Computers or Systems can be changed by ordering Option 014 and the desired memory, selected from the following.

Prod.No., Description, & Options	Price/BMMC
HIGH PERFORMANCE MEMORY PACKAGES	
12788A 128 kB Memory Pkg (16k RAMs)	\$ 3,895f/\$ 38
12788AR Remarketed 12788A (C100)	\$ 3,320f/\$ 38
12788BB 256 kB Memory Pkg (64k RAMs)	\$ 4,610f/\$ 31
12788E 512 kB Memory Pkg (64k RAMs)	\$ 6,400f/\$ 43
12788ER Remarketed 12788E (C100)	\$ 5,440f/\$ 43
12788F 1024 kB Mem Pkg (64k RAMs)	\$10,650f/\$ 62
12788FR Remarketed 12788F (C100)	\$ 9,040f/\$ 62
12788G 1536 kB Mem Pkg (64k RAMs)	\$15,800f/\$ 81
12788GR Remarketed 12788G (C100)	\$12,600f/\$ 81
12788H 2048 kB Mem Pkg (64k RAMs)	\$19,100f/\$ 108
12789J 512 kB FC Mem Pkg (64k RAMs)	\$ 9,560f/\$ 47
12789K 1024kb FC Mem Pkg (64k RAMs)	\$13,950f/\$ 66
12789L 1536kb FC Mem Pkg (64k RAMs)	\$21,250f/\$ 89
12789M 2048kb FC Mem Pkg (64k RAMs)	\$25,800f/\$ 100

MEMORY MODULES AND EXPANSION CABLES

12746H 64 kB Memory Module*	\$ 1,690f/\$ 8
12747H 128 kB Memory Module*	\$ 2,135f/\$ 12
12747HR Remarketed 12747H (C100)	\$ 1,100f/\$ 12
12699H 256 kB Memory Module* (5600)	\$ 2,660f/\$ 6
12749H 512 kB Memory Module* (5600)	\$ 5,310f/\$ 19
12749HR Remarketed 12749H (C100)	\$ 4,900f/\$ 19
12739G 11-conn Memory Exp cable	\$ 215f/n.a.

* Usable with any M/EIF-Series Computer, but has high performance cycle time only with 2102E/H Memory Controller in EIF-Series Computer. Qualifies as substitute memory in Computer or SPU ordered with Option 014 only if Memory Controller and Memory Protect and Memory Expansion Module(s) are ordered with memory module(s).

FAULT CONTROL CHECK BIT ARRAY BOARDS

12780H 512 kB Check Bit Array Board	\$ 2,700f/\$ 8
12666H 1.0 MB Check Bit Array Board (5600)	\$ 3,195f/\$ 4

MEMORY CONTROLLERS (included in 1278xA-M Memory Packages)

2102B Std Perf Mem Ctrlr for E-Series	\$ 785f/\$ 8
2102E High Perf Mem Controller	\$ 955f/\$ 8
2102H High Perf FC Mem Controller	\$ 1,125f/\$ 8

DYNAMIC MAPPING SYSTEMS AND COMPONENTS (included in 2113E Computers and in 2178C Systems)

12731A Memory Expansion Module	\$ 1,135f/\$ 6
12892B Memory Protect Module	\$ 565f/\$ 10
13307B E/F-Series Dynamic Mapping Instructions for use on FEM or FAB board	\$ 565f/\$ 2

E/F-Series Interfaces

Order from Supplying Division 5200 unless otherwise specified under the product number.

Prod.No., Description, & Options	Price/BMMC
----------------------------------	------------

RECOMMENDED TERMINAL INTERFACES

12966A Buffered Async Communications Interface, pt-pt, block/char mode, with 15.2m/50 ft. EIA Terminal cable	\$ 935f/\$ 3
-002 15.2m/50 ft Cable to U.S. Modem	0f/ 0
-006 Deletes std EIA Ter. cable	-100f/
-105 5m/16.4 ft. EMI shielded cable to terminals with 50-pin conn.	158f/ 0
-106 5m/16.4 ft. EMI shielded cable to terminals with 25-pin conn.	158f/ 0
12792C 8 Chan Async Multiplexer with connector panel. NOTE: Requires 12897B DCPC in computer and 12898A DCPC in I/O Extender if used in I/O Extender.	\$ 2,975f/\$ 10
-002 Use w/37214A Systems Modem (deletes connector panel)	-500f/\$ 0
-003 Edge conn kit instead of panel and connecting cable	-600f/\$ 0

MULTIPOINT AND DS/1000-IV MULTIDROP DATA LINK INTERFACES

12790A Multipoint/Data Link Interface with 10.6m/35 ft. cable for dlr. conn. (used with 91730A (discontinued) software)	\$ 1,745f/\$ 10
-001 7.6m/25 ft Modem cable instead of std direct conn cable (used w/91750A S/W or for modem conn w/91730A S/W)	0f/ 0
12790A+S00 Firmware-Only SMS for (5010) 12790A	/ \$ 10s
12830A Data Link Slave Interface with 5m/16.4 ft. cable to 92901A Conn Box (used w/91750A S/W)	\$ 1,280f/\$ 6

DS/1000-IV POINT-TO-POINT INTERFACES FOR COMMUNICATION WITH OTHER HP 1000 SYSTEMS (USED WITH/91750A SOFTWARE)

12794B DS/1000-IV HDLC Modem I/F to HP 1000 with 5m/16.4 ft. RS-232-C cable	\$ 1,975f/\$ 10
-001 Latest firmware ROMs only	-1,380f/ 0
-002 RS-449 cable instead of RS-232 cable	285f/n.a.
12825A DS/1000-IV HDLC Direct Conn Interface to HP 1000 w/verifier hoods & two 5m/16.4 ft. cables	\$ 2,440f/\$ 10
-001 Latest firmware ROMs only	-1,700f/ 0
-002 Deletes cables & loop-back verifier hoods (from second HDLC dlr conn interface)	-640f/ 0

DS/1000-IV POINT-TO-POINT INTERFACES FOR COMMUNICATION WITH HP 3000 SYSTEMS (USED WITH/91750A SOFTWARE)

12793B DS/1000-IV Bisync Modem I/F to HP 3000 with 5m/16.4 ft. RS-232-C cable	\$ 2,095f/\$ 10
-001 Latest firmware ROMs only	-1,380f/ 0
-002 RS-449 cable instead of RS-232 cable	285f/ 0

E/F-Series Interfaces, continued

Order from Supplying Division 5200 unless otherwise specified under the product number.

Prod.No., Description, & Options	Price/BMMC
----------------------------------	------------

DS/1000-IV POINT-TO-POINT INTERFACES FOR COMMUNICATION WITH HP 3000 SYSTEMS (USED WITH/91750A SOFTWARE), continued

12834A Bisync DS/1000-IV TO HP 3000 Direct Connect Interface with 5m/16.4 ft. cable	\$ 2,095f/\$ 9
-001 Latest firmware ROMs only	-1,380f/ 0
-002 Deletes cable	-200f/ 0

X.25 COMMUNICATIONS INTERFACE

12250A X.25 Network (modem) Interface w/Level II LAP-B Protocol & 5m/16.4 ft. RS-232-C cable for comm w/other systems in a packet switching network. High level network communications w/HP 1000 & HP 3000 Systems are supported by 91750A DS/1000-IV Network Software operating w/91751A X.25 Software (required)	\$ 1,900f/\$ 10
-001 Latest firmware ROMs only	-1,330f/ 0
-002 RS-449 Cable instead of RS-232 cable	270f/ 0

PROGRAMMABLE SERIAL INTERFACE AND FIRMWARE DEVELOPMENT PACKAGE

12826B Programmable Serial Interface for OEM/End User development of comm interfaces for specific applications, with 5m/16.4 ft. RS-232-C cable. HP 24602A PSI Firmware Development Pkg is a strongly recommended aid for programming firmware for the 12826B.	\$ 1,860f/n.a.
-001 RS-449 cable instead of RS-232 cable	270f/n.a.
-002 Edge connector instead of RS-232-C cable	-305f/n.a.
-003 Deletes Self-Test PROM and Diagnostic Hood	-200f/n.a.
24602A Firmware Development Package for 12826B Prog. Serial I/F	\$ 1,050f/n.a.
-001 Deletes DDM EPROM and cable	-500f/n.a.

OTHER DATA COMMUNICATIONS INTERFACES

12260A Multi-Use Programmable Serial Interface for use with 91781A RJE/1000-II, 91782A MRJE/1000, or 91784A PMF/1000 software	\$ 2,095f/\$ 10
-001 RS-449 cable instead of RS-232 cable	270f/n.a.
12531C Teleprinter character mode, current loop Interface	\$ 520f/\$ 3
12531D Terminal character mode, current loop Interface	\$ 410f/\$ 3
-001 7.6m/25 ft. EIA cable	61f/ 0
-002 7.6m/25 ft U.S. Modem cable	61f/ 0
-004 15.2m/50 ft cable to 264x Terminal	61f/ 0
12618A Sync Comm I/F (req 2 I/O ch)	\$ 1,295f/\$ 12
12967A Sync Comm Interface	\$ 1,405f/\$ 6
12968A Async Comm Interface	\$ 1,080f/\$ 6

E/F-Series Interfaces, continued

Order from Supplying Division 5200 unless otherwise specified under the product number.

Prod.No., Description, & Options	Price/BMCC
HP-IB INTERFACES AND HP-IB EXTENDER	
12821A HP-IB Interface to disc, MTU, or printer w/3.69m/12 ft cable -001 Deletes ICD Loader ROM	\$ 980f/\$ 6 Of/ 0
59310B HP-IB Interface with 3.7m/12 ft. cable (for up to 14 HP-IB devices connected via 10833x cables) -001 2m/6.5 ft. cable instead of 3.7m/12 ft. cable	\$ 830f/\$ 6 Of/ 0
37203A HP-IB Extender for transmission of HP-IB signals to another (1400) 37203A Extender or a (discontinued) 37203L A-Series HP-IB Extender Card up to 1 km/3281 ft. away via Belden 9248 or equivalent coaxial cable. (37203A is a stand-alone product that requires 12821A or 59310B interface.) -001 Adds Fiber Optic comm via HP Duplex Fiber Optic Cable	\$ 1,500n/\$ 6 490n/\$

GENERAL-PURPOSE INTERFACES

12551B 16-Bit Relay Output Register -001 Adds read-back	\$ 770f/\$ 2 32f/ 2
12554A 16-Bit Duplex Register with positive I/O voltage -001 Negative I/O voltage	\$ 615f/\$ 3 Of/ 0
12556B 40-Bit Output Register with positive-true logic -002 Negative-true logic	\$ 990f/\$ 6 Of/ 0
12566C Microcircuit Interface with jumper-selected logic sense -001 24-pin connector w/I/O via a 16-bit bi-directional data bus	\$ 580f/\$ 2 Of/ 0
12597A 8-Bit Duplex Register with positive I/O voltage	\$ 535f/\$ 2
12620A Breadboard Interface (usable as RTE priv interrupt fence)	\$ 236f/\$ 3
12930A Dual-Channel Universal Inter- with differential input -001 Ground-true, pos false TTL -002 Positive-true, ground false TTL	\$ 1,210f/\$ 3 Of/ 0 Of/ 0
91200B TV Interface (not supported under Graphics/1000-II) -001 7.6m/25 ft. cable to B&W TV monitor -003 7.6m/25 f.t cable to color TV monitor (from three 91200Bs)	\$ 2,235f/\$ 18 168f/n.a. 390f/n.a.

CRT Display Terminals

See page 4 for supported terminals and interfacing and pages 41 through 44 of the HP 1000 A-Series Ordering Information (5954-8580(D) or a later revision and the HP 1000 A-Series Price List (5954-8583(D) or a later revision) for CRT Display Terminal Ordering Information.

Printers and Accessories

See page 5 for supported printers and interfacing and pages 54 through 58 of the HP 1000 A-Series Ordering Information (5954-8580(D) or a later revision and the HP 1000 A-Series Price List (5954-8583(D) or a later revision) for Printer Ordering Information.

Plotters

See page 5 for supported plotters and interfacing and pages 61 and 62 of the HP 1000 A-Series Ordering Information (5954-8580(D) or a later revision and the HP 1000 A-Series Price List (5954-8583(D) or a later revision) for Plotter Ordering Information.

Discs

See page 4 for supported discs and interfacing and page 50 of the HP 1000 A-Series Ordering Information (5954-8580(D) or a later revision and the HP 1000 A-Series Price List (5954-8583(D) or a later revision) for Disc Ordering Information.

Magnetic Tape Units and Cartridge Tape Subsystems

See page 5 for supported magnetic tape units and cartridge tape subsystems and pages 52 and 53 of the HP 1000 A-Series Ordering Information (5954-8580(D) or a later revision and the HP 1000 A-Series Price List (5954-8583(D) or a later revision) for Mag Tape Unit and Cartridge Tape Subsystem Ordering Information.

Cabinets and Accessories

Order from Supplying Division 2200 unless otherwise specified under the product number.

Prod.No., Description, & Options	Price/BMCC
29402C 56-INCH CABINET AND ACCESSORIES	
29402C 56-inch Aluminum Cabinet for general purpose racking of equipment (1st cabinet req Opt 200/210; add-on cabinet req Opt 400/410; max. of two Opt 400/410 cabinets per Opt 200/210 cabinet)	\$ 1,900d/\$ 6
-050 Hinged front door	615f/n.a.
-051 Snap-on front door	615f/n.a.
-200 Config. master cabinet with 60 Hz power control unit and 115V/60 Hz outlets	870f/n.a.
-210 Opt 200 for 230V/50 Hz*	870f/n.a.
-400 Config. add-on cabinet bay with power distribution unit and 115V/60 Hz outlets	320f/n.a.
-410 Opt 400 for 230V/50 Hz*	320f/n.a.
40017B Cabinet Stabilizer	\$ 800f/n.a.
12673B 5.25-inch Drawer	\$ 465f/n.a.
12675B Fixed 1-bay Shelf -001 Rounded corners	\$ 285f/n.a. Of/n.a.

* Equipment items in a 29402C Option 210 or 410 cabinet will all require an Option 905 power cord.

Cabinets and Accessories, continued

Order from Supplying Division 2200 unless otherwise specified under the product number.

Prod.No., Description, & Options	Price/BMMC
BLANK PANELS FOR 294xxC/D/F/G CABINETS	
12680B 45mm/1.75 Inch Blank Panel	\$ 40d/n.a.
12681B 89mm/3.5 Inch Blank Panel	\$ 40d/n.a.
12682B 133mm/5.25 Inch Blank Panel	\$ 40d/n.a.
12683B 178mm/7 Inch Blank Panel	\$ 40d/n.a.
12684B 222mm/8.75 Inch Blank Panel	\$ 40d/n.a.
12685B 267mm/10.5 Inch Blank Panel	\$ 40d/n.a.

CABINET AND ACCESSORIES FOR EMI-QUALIFIED SYSTEMS

29431G 56-inch steel Cabinet used to house 2113E or 2117F Computer and/or 79xxR Disc or 7906MR+025 Disc (in lower compartment).	\$ 3,300d/\$ 5
-015 230V/50 Hz ac power	Of/ 0
-050 Cabinet adaptation to mount 7906MR+25 rack mounting disc.	Of/ 0
40026A Tie-Together Kit for 29431G Cabinets	\$ 300f/n.a.

EQUIPMENT SUPPORT RAILS & SLIDES FOR 294xxC/D/F/G CABINETS

12679B Pair of Support Rails with 150 lb capacity and attaching hardware for rack mounting computer or instrument.	\$ 60d/n.a.
12679C Pair of Support Rails with 75 lb capacity and attaching hardware for rack mounting computer or instrument.	\$ 43d/n.a.
12903B Rack Slides FOR 2109E	\$ 239d/n.a.
12903C Rack Slides FOR 2111F/13E	\$ 270d/n.a.

Documentation Products

Prod.No., Description, & Options	Price/BMMC
92068A+Q00 Update Service for one (5010) RTE-IVB Manuals Set	/ \$13m
92084K RTE-6/VM Manuals Package (2200) (one RTE-6/VM manuals set)	\$ 204n/n.a.
92084A+Q00 Update Service for one (5010) RTE-6/VM Manuals Set	/ \$25m
92830A+N00 Software Notification (AEO) Service	/ \$30m
92851A M/E/F-Series Hardware History (2200) Library	\$ 380n/n.a.
94250Z Forms/1000 Manual Package (2200) for HP 1000 E/F-Series	\$ 102n/n.a.

Training Services

Except where otherwise noted, order from, and schedule attendance with, the local AEO.

Prod.No., Description, & Options	Price/BMMC
RTE OPERATING SYSTEM COURSES	
22988A RTE-6/VM - Use and Prog	\$ 2,200n/n.a.
22989C RTE-6/VM System Management	\$ 1,100n/n.a.
22991B RTE-6/VM Internals	\$ 1,300n/n.a.

Training Services, continued

Except where otherwise noted, order from, and schedule attendance with, the local AEO.

Prod.No., Description, & Options	Price/BMMC
PROGRAMMING COURSES	
22959C FORTRAN 77 Programming	\$ 1,100n/n.a.
22960C Pascal Programming	\$ 1,100n/n.a.
22961C FORTRAN 77 Independent Study Course on video cassettes (must order Opt 003, 004, 005, 006, or 007)	See Options 003 through 007
-001 One add'l student workbook	\$ 139n/n.a.
-002 One add'l supplement	\$ 33n/n.a.
-003 Course on U-Matic 3/4-in. color video cassette	\$ 510n/n.a.
-004 Course on VHS 1/2-in. color video cassettes	\$ 510n/n.a.
-005 Course on Beta 1/2-in color video cassette	\$ 510n/n.a.
-006 Course on video tape in PAL format	\$ 675n/n.a.
-007 Course on video tape in SECAM format	\$ 675n/n.a.
22962C MACRO/1000 Assembler Prog	\$ 1,100n/n.a.
22985B GRAPHICS/1000-II Device-Independent Graphics Library, Computer-Aided Instruction for self-paced learning, supplied on user-specified media	\$ 1,030n/n.a.
-001 Upgrade discount	-692n/n.a.
-050 800 cpl Mag Tape media	0n/n.a.
-051 1600 cpl Mag Tape media	0n/n.a.
22985C Right to Copy 22985C Course to one additional system	\$ 102n/n.a.

HP 1000 NETWORKS TRAINING COURSES

22968C DS/1000-IV User's Course	\$ 1,100n/n.a.
22969C DS/1000-IV Internals	\$ 1,350n/n.a.
22970C DS/1000-IV to DS/3000 Comm.	\$ 1,100n/n.a.

DATA BASE MANAGEMENT COURSE

35076B IMAGE/1000-II User's Course	\$ 1,100n/n.a.
------------------------------------	----------------

HP 1000 Products Not Recommended for New Uses

Order from Supplying Division 2200 unless otherwise specified under the product number.

Prod.No., Description, & Options	Price/BMMC
12728J 18-Slot Card Cage Kit	\$ 1,150d/n.a.
12771A DS/1000 Computer Serial I/F to (5200) HP 1000 used w/91740A/B	\$ 1,870d/\$ 19
12773A DS/1000 Computer Modern I/F (5200) to HP 1000 used w/91740A/B (requires 12620A priv int fence)	\$ 850d/\$ 10
91720A 76m/250 ft. Comm Cable with (5200) Unassembled Conn for use with 12771A interface	\$ 489d/n.a.
91721A 76m/250 ft. Comm Cable with (5200) Unassembled Conn for use with 12771A interface	\$ 645d/n.a.
-001 Incr. length to 152m/500 ft.	490f/n.a.
-002 Incr. length to 297m/975 ft.	1,255f/n.a.
13304A Firmware Accessory Board	\$ 455d/\$ 3
2109EK E-Series Board Computer	\$ 3,890d/n.a.
-014 Deletes std 64 kB memory	-2,240d/n.a.

Active Software Operating System

Prod.No., Description, & Options	Price/BMMC
92084A RTE-6/VM Operating System (2200) Software for E/F-Series computer with 256 kB# to 2 MB of memory. Must order one of Media Options 022-061.	\$ 7,340d/\$ 6
-001 Upgrade discount (from RTE-IV/IVB or earlier RTE-6/VM for user NOT subscribing to support updates.	-2,880f/n.a.
-002 Upgrade discount (from RTE-IV/IVB for user who IS subscribing to support updates.	-5,040f/n.a.
-022 CS/80 cartridge tape media, including primary system.	0f/n.a.
-050 800 cpl, 9-tr mag tape media in WRITT format.	0f/n.a.
-051 1600 cpl, 9-tr mag tape media in WRITT format.	0f/n.a.
-054 800 cpl, 9-tr mag tape media in 7925M image format	0f/n.a.
-055 Similar to 054, above, but in 7925M image format on 1600 cpl, 9-tr mag tape	0f/n.a.
-060 800 cpl, 9-tr mag tape media in CS/80 format	0f/n.a.
-061 Similar to 060, above, but in CS/80 format on 1600 cpl, 9-tr mag tape	0f/n.a.
92084R Right to Copy 92084A RTE-6/VM Software to one additional computer, including manuals and right to use for application development.	\$ 3,670d/\$ 6
-001 Upgrade discount (from RTE-IV/IVB or earlier RTE-6/VM for user NOT subscribing to support updates.	-1,440f/n.a.
-002 Upgrade discount (from RTE-IV/IVB for user who IS subscribing to support updates.	-2,520f/n.a.
-100 Deletes manuals	-150f/n.a.

The RTE-6/VM primary system supplied with all RTE-6/VM systems requires at least 512 kB of memory.

Active Programming Languages

Except for Ada/1000 and the RTE Microprogramming Package for A900 Computers, HP 1000 E-Series Systems support the same programming languages and related program-development software as HP 1000 A-Series systems. See the listings on pages 71 through 74 of the HP 1000 A-Series Ordering Information (5954-8580(D)) and the HP 1000 A-Series Price List (5954-8583(D)). Where applicable, order program development software for use on HP 1000 E-Series systems with Use Option 700 and the appropriate Media Option.

Active Graphics Software

HP 1000 E-Series Systems support the same graphics software as HP 1000 A-Series systems. See the listings on pages 59 and 60 of the HP 1000 A-Series Ordering Information (5954-8580(D)) and the HP 1000 A-Series Price List (5954-8583(D)). Order graphics software for use on HP 1000 E-Series systems with Use Option 700 and the appropriate Media Option.

Active Software for Communication with other Hewlett-Packard Systems

HP 1000 E-Series Systems support 91750A/R DS/1000-IV distributed systems software. See the listing on page 64 of the HP 1000 A-Series Ordering Information (5954-8580(D)) and the HP 1000 A-Series Price List (5954-8583(D)). Order 91750A/R software for use on HP 1000 E-Series systems with Use Option 700 and the appropriate Media Option.

Active Software for Communication with IBM Systems

HP 1000 E-Series Systems support the same software for communication with IBM systems as HP 1000 A-Series systems. See pages 65 through 67 of the HP 1000 A-Series Ordering Information (5954-8580(D)) and the HP 1000 A-Series Price List (5954-8583(D)). Order IBM communications software for use on HP 1000 E-Series systems with Use Option 700 and the appropriate Media Option.

Active Data Base Management Software

HP 1000 E-Series Systems support the same data base management software as HP 1000 A-Series systems. See pages 75 and 76 of the HP 1000 A-Series Ordering Information (59541-8580(D)) and the HP 1000 A-Series Price List (5954-8583(D)). Order data base management software for use on HP 1000 E-Series systems with Use Option 700 and the appropriate Media Option.



Active Diagnostics Software

Prod.No., Description, & Options	Price/BMMC
91711B On-Line Diagnostics and Verification Package for E/F-Series computer operating under RTE-6/VM, RTE-IVB, or RTE-IVE. Must order Media Option 050 or 051.	\$ 535d/n.a.
-050 800 cpl, 9-tr mag tape media.	0f/n.a.
-051 1600 cpl, 9-tr mag tape media	0f/n.a.

Mature Software

Prod.No., Description, & Options	Price/BMMC
92061A RTE Microprogramming Package for E/F-Series computer oper under RTE-6/VM or RTE-IVB. Must order Media Opt 022.	\$ 1,070d/n.a.
-022 CS/80 cartridge tape media.	0f/n.a.
92101A BASIC/1000D subsystem for E/F-Series computer oper under RTE-6/VM or RTE-IVB. Must order Media Opt 022.	\$ 1,070d/n.a.
-001 Discount for upgrade from previous version for user NOT subscribing to support updates.	-525f/n.a.
-022 CS/80 cartridge tape media.	0f/n.a.
24396E E/F-Series Diagnostics on (2200) 1600 CPI Magnetic Tape	\$ 325d/n.a.
24396H E/F-Series Diagnostics on (2200) CS/80 Catridge Tape	\$ 325d/n.a.

Inactive Software

91730A	Multipoint Terminal Interface Software
91731A	Asynchronous Multiplexer Software (for 12920B)
91740A*	DS/1000 Network Software-Firmware
91741A	DS/1000 Software Enhancement
91745A*	Datasafe/1000 software
91747A*	Datashare/1000 software
91780A	RJE/1000 Remote Job Entry Package for E/F-Ser.
92066A	RTE Measurement and Control Software
92068A*	RTE-IVB Operating System for E/F-Series
92073A	Image/1000 Data Base Management System without Query for A/L/E/F-Series
92082A	ACCEL/1000 Profiling and Microprogramming package for E/F-Series
92091A*	HPSPICE Circuit Simulation Program for F-Series
92120A	PMC/1000 Process Monitoring and Control software for F-Series
92130A	QDM/1000 Quality Decision Management software for F-Series
92400A	Sensor-Based DAS Utility Library for E/F-Series
92832A*	Pascal/1000 for E/F-Series
92834A*	FORTAN 4X for E/F-Series
92835A*	SIGNAL/1000 Package for F-Series
92840A	GRAPHICS/1000 Graphics Plotting Software for E/F-Series
92841A*	GRAPHICS/1000-II Version 1.0 Device Independent Graphics Library for A/E/F-Series
92842A*	GRAPHICS/1000-II Version 1.0 Advanced Graphics Package for A/E/F-Series

* Identifies inactive software product for which rights to copy can still be purchased. See the HP Corporate Price List for information.

Operating Systems Software Support

Prod.No., Description, & Options	Price
RTE-6/VM SUPPORT PRODUCTS	
92084A+H20	Response Center Support (RCS) w/updates on 264x minicartridges. \$ 300/month
92084A+H22	RCS w/updates on CS/80 cartridge tape. \$ 195/month
92084A+H50	RCS w/updates on 800 cpi, 9-tr mag tape. \$ 195/month
92084A+H51	RCS w/updates on 1600 cpi, 9-tr mag tape. \$ 195/month
92084A+P00	Additional Response Center Caller. \$ 125/month
92084A+Q00	Manual Update Service for RTE-6/VM Manuals \$ 25/month
92084A+S20	Software Materials Subscription (SMS) w/updates on 264x minicartridges. \$ 205/month
92084A+S22	SMS w/updates on CS/80 cartridge tape. \$ 115/month
92084A+S50	SMS w/updates on 800 cpi, 9-tr mag tape. \$ 115/month
92084A+S51	SMS w/updates on 1600 cpi, 9-tr mag tape. \$ 115/month
92084A+T20	Account Management Support (AMS) w/updates on 264x minicartridges. \$ 505/month
92084A+T22	AMS w/updates on CS/80 cartridge tape. \$ 385/month

Operating Systems Software Support, continued

Prod.No., Description, & Options	Price
RTE-6/VM SUPPORT PRODUCTS, continued	
92084A+T50	AMS w/updates on 800 cpi, 9-tr mag tape. \$ 385/month
92084A+T51	AMS w/updates on 1600 cpi, 9-tr mag tape. \$ 385/month
92084A+V00	Additional System Coverage (ASC) updated via central system. \$ 75/month
92084A+V20	264x minicartridge media for ASC. \$ 115/month
92084A+V22	CS/80 cartridge tape media for ASC. \$ 115/month
92084A+V50	800 cpi, 9-tr mag tape media for ASC. \$ 115/month
92084A+V51	1600 cpi, 9-tr mag tape media for ASC. \$ 115/month
92084A+W00	Extended SMS (ESMS) updated via central system. \$ 25/month
92084A+W20	264x minicartridge media for ESMS. \$ 115/month
92084A+W22	CS/80 cartridge tape media for ESMS. \$ 60/month
92084A+W50	800 cpi, 9-tr mag tape media for ESMS. \$ 60/month
92084A+W51	1600 cpi, 9-tr mag tape media for ESMS. \$ 60/month

RTE-IVB (Inactive) SUPPORT PRODUCTS

92068A+H20	Response Center Support (RCS) w/updates on 264x minicartridges. \$ 270/month
92068A+H50	RCS w/updates on 800 cpi, 9-tr mag tape. \$ 170/month
92068A+H51	RCS w/updates on 1600 cpi, 9-tr mag tape. \$ 170/month
92068A+P00	Additional Response Center Caller. \$ 125/month
92068A+Q00	Manual Update Service for RTE-IVB Manuals \$ 13/month
92068A+S20	Software Materials Subscription (SMS) w/updates on 264x minicartridges. \$ 185/month
92068A+S50	SMS w/updates on 800 cpi, 9-tr mag tape. \$ 105/month
92068A+S51	SMS w/updates on 1600 cpi, 9-tr mag tape. \$ 105/month
92068A+T20	Account Management Support (AMS) w/updates on 264x minicartridges. \$ 470/month
92068A+T50	AMS w/updates on 800 cpi, 9-tr mag tape. \$ 345/month
92068A+T51	AMS w/updates on 1600 cpi, 9-tr mag tape. \$ 345/month
92068A+V00	Additional System Coverage (ASC) updated via central system. \$ 70/month
92068A+V20	264x minicartridge media for ASC. \$ 105/month
92068A+V50	800 cpi, 9-tr mag tape media for ASC. \$ 110/month
92068A+V51	1600 cpi, 9-tr mag tape media for ASC. \$ 110/month
92068A+W00	Extended SMS (ESMS) updated via central system. \$ 20/month
92068A+W20	264x minicartridge media for ESMS. \$ 105/month
92068A+W50	800 cpi, 9-tr mag tape media for ESMS. \$ 60/month
92068A+W51	1600 cpi, 9-tr mag tape media for ESMS. \$ 60/month

Programming Languages Software Support

Prod.No., Description, & Options	Price
LANGUAGE SUPPORT CATEGORY/1000 SUPPORT PRODUCTS	
99081D+C00 Software Support for Language Support Category/1000	\$ 50/month
99081D+Q00 Manual Updates for Language Support Category/1000 manuals.	\$ 15/month
99081D+V00 Extension of Software Support for Language Support Category/1000 to one additional system.	\$ 15/month

SOFTWARE MATERIALS SUBSCRIPTION (SMS) AND EXTENDED SMS (ESMS) PRODUCTS FOR ACTIVE PROGRAMMING LANGUAGES

92836A+S00 SMS for FORTRAN 7	\$ 25/month
92836A+W00 ESMS for FORTRAN 77	\$ 10/month
92833A+S00 SMS for Pascal/1000	\$ 25/month
92833A+W00 ESMS for Pascal/1000	\$ 10/month
92857A+S00 SMS for BASIC/1000C	\$ 25/month
92857A+W00 ESMS for BASIC/1000C	\$ 10/month

SOFTWARE MATERIALS SUBSCRIPTION (SMS) AND EXTENDED SMS (ESMS) PRODUCTS FOR MATURE PROGRAMMING LANGUAGES

92061A+S00 SMS for RTE Microprogramming Package for E/F-Series	\$ 25/month
92101A+S00 SMS for BASIC/1000D	\$ 25/month
92101A+W00 ESMS for BASIC/1000D	\$ 10/month

SOFTWARE MATERIALS SUBSCRIPTION (SMS) AND EXTENDED SMS (ESMS) PRODUCTS FOR INACTIVE PROGRAMMING LANGUAGES

92832A+S00 SMS for Pascal/1000	\$ 25/month
92832A+W00 ESMS for Pascal/1000	\$ 10/month
92834A+S00 SMS for FORTRAN 4X	\$ 25/month
92834A+W00 ESMS for FORTRAN 4X	\$ 10/month

Productivity Tools Software Support

Prod.No., Description, & Options	Price
PRODUCTIVITY TOOL SUPPORT CATEGORY/1000 SUPPORT PRODUCTS	
99082D+C00 Software Support for Productivity Tool Support Category/1000	\$ 50/month
99082D+Q00 Manual Updates for Productivity Tool Support Category/1000 manuals.	\$ 10/month
99082D+V00 Extension of Software Support for Productivity Tool Support Category/1000 to one additional system.	\$ 15/month

Productivity Tools Software Support, continued

Prod.No., Description, & Options	Price
SOFTWARE MATERIALS SUBSCRIPTION (SMS) AND EXTENDED SMS (ESMS) PRODUCTS FOR ACTIVE PRODUCTIVITY TOOLS	
92083A+S00 SMS for RTE Profile Monitor	\$ 25/month
92083A+W00 ESMS for RTE Profile Monitor	\$ 10/month
92860A+S00 SMS for Symbolic Debug/1000	\$ 25/month
92860A+W00 ESMS for Symbolic Debug/1000	\$ 10/month
91784A+S00 SMS for PMF/1000	\$ 25/month
91784A+W00 ESMS for PMF/1000	\$ 10/month

SOFTWARE MATERIALS SUBSCRIPTION (SMS) AND EXTENDED SMS (ESMS) PRODUCTS FOR INACTIVE PRODUCTIVITY TOOLS

92066A+S00 SMS for RTE Measurement and Control Software Pkg	\$ 15/month
92066A+W00 ESMS for RTE Measurement and Control Software Pkg	\$ 10/month
92082A+S00 SMS for ACCEL/1000 Pkg	\$ 25/month
92082A+W00 ESMS for ACCEL/1000 Pkg	\$ 10/month
92400A+S00 SMS for Sensor-Based DAS Utility Library	\$ 15/month
92400A+W00 ESMS for Sensor-Based DAS Utility Library	\$ 10/month

Data Management Software Support

Prod.No., Description, & Options	Price
DATA MANAGEMENT SUPPORT CATEGORY/1000 SUPPORT PRODUCTS	
99083D+C00 Software Support for Data Management Support Category/1000	\$ 50/month
99083D+Q00 Manual Updates for Data Management Support Category/1000 manuals.	\$ 15/month
99083D+V00 Extension of Software Support for Data Management Support Category/1000 to one additional system.	\$ 15/month

SOFTWARE MATERIALS SUBSCRIPTION (SMS) AND EXTENDED SMS (ESMS) PRODUCTS FOR ACTIVE DATA MANAGEMENT SOFTWARE

92069A+S00 SMS for IMAGE/1000	\$ 25/month
92069A+W00 ESMS for IMAGE/1000	\$ 10/month
92081A+S00 SMS for IMAGE/1000-II	\$ 25/month
92081A+W00 ESMS for IMAGE/1000-II	\$ 10/month
92861A+S00 SMS for Graphics/1000-II DGL	\$ 25/month
92861A+W00 ESMS for Graphics/1000-II DGL	\$ 10/month
92862A+S00 SMS for Graphics/1000-II AGP	\$ 25/month
92862A+W00 ESMS for Graphics/1000-II AGP	\$ 10/month
94250B+S00 SMS for FORMS/1000	\$ 25/month
94250B+W00 ESMS for FORMS/1000	\$ 10/month

Data Management Software Support, continued

Prod.No., Description, & Options	Price
----------------------------------	-------

SOFTWARE MATERIALS SUBSCRIPTION (SMS) AND EXTENDED SMS (ESMS) PRODUCTS FOR INACTIVE DATA MANAGEMENT SOFTWARE

91745A+S00	SMS for Datasafe/1000	\$ 25/month
91745A+W00	ESMS for Datasafe/1000	\$ 10/month
91747A+S00	SMS for Datashare/1000	\$ 25/month
91747A+W00	ESMS for Datashare/1000	\$ 10/month
92073A+S00	SMS for IMAGE/1000	\$ 25/month
92073A+W00	ESMS for IMAGE/1000	\$ 10/month
92840A+S00	SMS for Graphics Plotting Software	\$ 25/month
92840A+W00	ESMS for Graphics Plotting Software	\$ 10/month
92841A+S00	SMS for Graphics/1000-II DGL	\$ 25/month
92841A+W00	ESMS for Graphics/1000-II DGL	\$ 10/month
92842A+S00	SMS for Graphics/1000-II AGP	\$ 25/month
92842A+W00	ESMS for Graphics/1000-II AGP	\$ 10/month

Data Communications "B" Software Support

Prod.No., Description, & Options	Price
----------------------------------	-------

DATA COMMUNICATIONS "B" SUPPORT CATEGORY/1000 SUPPORT PRODUCTS

99086D+C00	Software Support for Data Communications "B" Support Category/1000	\$ 50/month
99086D+Q00	Manual Updates for Data Comm. "B" Support Category/1000 manuals.	\$ 15/month
99086D+V00	Extension of Software Support for Data Comm "B" Support Category/1000 to one additional system.	\$ 15/month

SOFTWARE MATERIALS SUBSCRIPTION (SMS) AND EXTENDED SMS (ESMS) PRODUCTS FOR ACTIVE DATA COMMUNICATIONS "B" SOFTWARE

91781A+S00	SMS for RJE/1000-II S/W	\$ 25/month
91781A+W00	ESMS for RJE/1000-II S/W	\$ 10/month

SOFTWARE MATERIALS SUBSCRIPTION (SMS) AND EXTENDED SMS (ESMS) PRODUCTS FOR INACTIVE DATA COMMUNICATIONS "B" SOFTWARE

91730A+S00	SMS for Multipoint Software	\$ 25/month
91730A+W00	ESMS for Multipoint Software	\$ 10/month
91780A+S00	SMS for RJE/1000 Software	\$ 25/month
91780A+W00	ESMS for RJE/1000 Software	\$ 10/month

Data Communications "C" Software Support

Prod.No., Description, & Options	Price
----------------------------------	-------

DATA COMMUNICATIONS "C" SUPPORT CATEGORY/1000 SUPPORT PRODUCTS

99087D+C00	Software Support for Data Communications "C" Support Category/1000	\$ 50/month
99087D+Q00	Manual Updates for Data Comm. "C" Support Category/1000 manuals.	\$ 20/month
99087D+V00	Extension of Software Support for Data Comm "C" Support Category/1000 to one additional system.	\$ 15/month

SOFTWARE MATERIALS SUBSCRIPTION (SMS) AND EXTENDED SMS (ESMS) PRODUCTS FOR ACTIVE DATA COMMUNICATIONS "C" SOFTWARE

91750A+S00	SMS for DS/1000-IV S/W	\$ 25/month
91750A+S71	Firmware Update Support for HDLC (12794A/B or 12825A) Interface	\$ 5/month
91750A+S81	Firmware Update Support for Bsync (12793A/B or 12834A) Interface	\$ 5/month
91750A+W00	ESMS for DS/1000-IV S/W	\$ 10/month
91750A+W71	Firmware Update Support HDLC Interface	\$ 5/month
91750A+W81	Firmware Update Support for Bsync Interface	\$ 5/month
91751A+S00	SMS for X.25/1000 S/W	\$ 25/month
91751A+S91	Firmware Update Support for LAP-B (X.25) Interface (12250A)	\$ 5/month
91751A+W00	ESMS FOR X.25/1000 S/W	\$ 10/month
91751A+W91	Firmware Update Support LAP-B (X.25) Interface (12250A)	\$ 5/month
91782A+S00	SMS for MRJE/1000 S/W	\$ 25/month
91782A+W00	ESMS for MRJE/1000 S/W	\$ 10/month

SOFTWARE MATERIALS SUBSCRIPTION (SMS) AND EXTENDED SMS (ESMS) PRODUCTS FOR INACTIVE DATA COMMUNICATIONS "C" SOFTWARE

91740A+S00	SMS for DS/1000 S/W	\$ 25/month
91740A+W00	ESMS for DS/1000 S/W	\$ 10/month
91741A+S00	SMS for DS/1000 S/W Enhancement	\$ 25/month
91741A+W00	ESMS for DS/1000 S/W Enhancement	\$ 10/month

Support for Diagnostics and Other Non-Category Software

Prod.No., Description, & Options	Price
24396A+S00 SMS for E/F-Series Diag-	\$ 15/month
24396A+W00 Extended SMS for E/F-Series Diagnostics	\$ 10/month
91711B+Q00 Manual Update Service for On-Line Diagnostics and Verification Package	\$ 2/month
91711B+S00 SMS for On-Line Diagnostics and Verification Package	\$ 20/month
91711B+W00 EXTENDED SMS for On-Line Diagnostics and Verification Package	\$ 10/month
92091A+S00 SMS for HPSPICE/1000	\$ 20/month
92091A+W00 EXTENDED SMS for HPSPICE/1000	\$ 10/month
92835A+S00 SMS for SIGNAL/1000 Pkg	\$ 15/month
92835A+W00 EXTENDED SMS for SIGNAL/1000 Package	\$ 10/month



Replaces 5954-8564(D) for Ordering HP 1000
E-Series Computer Systems in the United
States.

Printed in U.S.A. 12/87
5954-8584(D)