

9826A/9836A Computer System

Pricing Information

Effective Date: April 1982



Product No.	Description	Price (FOB Factory)	Total	F.M.M.C.†	Total	P.M.M.C.‡	Total
9826A	9826A Computer System <ul style="list-style-type: none"> • 178 mm (7 in) CRT display • 264K byte, 134 mm (5¼ in) flexible disc drive • Built-in HP-IB interface with 2M (6.6 ft) cable • 64K bytes RAM memory • 8-slot card cage for interfaces, language systems and memory expansion • ASCII Keyboard/Character Set (Order only one language system option.)						
(Opt. 011)	ROM-based BASIC Language System, includes: <ul style="list-style-type: none"> • One system ROM board • 42K bytes user read/write memory (approximate) • BASIC Language Manual Kit • BASIC Utilities Pack 						
(Opt. 014)	ROM-based HPL Language System, includes: <ul style="list-style-type: none"> • One system ROM board • 53K bytes user read/write memory (approximate) • HPL Utilities Disc • HPL Language Manual Kit 						
(Opt. 711)	RAM-based BASIC Language System, includes: <ul style="list-style-type: none"> • One BASIC Language System Minidisc • One 256K-byte RAM memory board • 42K bytes user read/write memory (approximate) • BASIC Language Manual Kit • BASIC Utilities Pack 						
(Opt. 714)	RAM-based HPL Language System, includes: <ul style="list-style-type: none"> • One HPL Language System Minidisc • One 256K-byte RAM memory board • 204K bytes user read/write memory (approximate) • HPL Utilities Disc • HPL Language Manual Kit 						
(Opt. 715)	RAM-based Pascal Language System includes: <ul style="list-style-type: none"> • One Pascal Language System Minidisc Set • Two 256K RAM memory boards • 576K bytes user read/write memory (approximate) • Pascal Language Manual Kit 						
(Opt. 099)	No Language Subsystem (includes 64K bytes of R/W memory)						
(Opt. 050)	Powerfail Option						

† Field Monthly Maintenance Charge. Return to HP at user's expense. Prices subject to change without notification. Billing may be made annually, semiannually or quarterly.

‡ Product Monthly Maintenance Charge for Zone 1 (0 - 100 mile radius). Prices subject to change without notification. Billing may be made annually, semiannually or quarterly.

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9836A	9836A Computer System <ul style="list-style-type: none"> • 310 mm (12.2 in) CRT display • Two 264K byte, 134 mm (5¼ in) flexible disc drives • Built-in HP-IB interface with 2M (6.6 ft) cable • 64K bytes RAM memory • 8-slot card cage for interfaces, language systems and memory expansion • ASCII Keyboard/Character Set Order only one language system option.)						
(Opt. 011)	ROM-based BASIC Language System includes: <ul style="list-style-type: none"> • One system ROM board • 42K bytes user read/write memory (approximate) • BASIC Language Manual Kit • BASIC Utilities Pack 						
(Opt. 014)	ROM-based HPL Language System includes: <ul style="list-style-type: none"> • One system ROM board • 43K bytes user read/write memory (approximate) • HPL Utilities Disc • HPL Language Manual Kit 						
(Opt. 711)	RAM-based BASIC Language System includes: <ul style="list-style-type: none"> • One BASIC Language System Minidisc • One 256K-byte RAM memory board • 42K bytes user read/write memory (approximate) • BASIC Language Manual Kit • BASIC Utilities Pack 						
(Opt. 714)	RAM-based HPL Language System includes: <ul style="list-style-type: none"> • One HPL Language System Minidisc Set • One 256K-byte RAM memory board • 194K bytes user read/write memory (approximate) • HPL Utilities Disc • HPL Language Manual Kit 						
(Opt. 715)	RAM-based Pascal Language System includes: <ul style="list-style-type: none"> • One Pascal Language System Minidisc • Two 256K RAM memory boards • 576K bytes user read/write memory (approximate) • Pascal Language Manual Kit 						
(Opt. 099)	No Language Subsystem (includes 64K bytes of R/W memory)						
(Opt. 050)	Powerfail Option						
(Opt. 801)	Jumper for 50 Hz refresh rate on CRT (9836 only)						
98261A	Add-on language for 9826A/9836A (Order only one language system option.)						
(Opt. 011)	ROM-based BASIC Add-on Language includes: <ul style="list-style-type: none"> • One system ROM board • BASIC Language Manual Kit • BASIC Utilities Pack 						
(Opt. 014)	ROM-based HPL Add-on Language includes: <ul style="list-style-type: none"> • One system ROM board • HPL Utilities Disc • HPL Language Manual Kit 						
(Opt. 711)	RAM-based BASIC Add-on Language includes: <ul style="list-style-type: none"> • One BASIC Language System Minidisc • BASIC Language Manual Kit • BASIC Utilities Pack 						
(Opt. 714)	RAM-based HPL Add-on Language includes: <ul style="list-style-type: none"> • One HPL Language System Minidisc with Utilities • HPL Language Manual Kit 						
(Opt. 715)	RAM-based Pascal Add-on Language includes: <ul style="list-style-type: none"> • One Pascal Language System Minidisc Set • One Pascal Language Manual Kit 						

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98261R (Opt. 711) (Opt. 714) (Opt. 715)	Right to Reproduce BASIC (manuals provided) HPL (manuals provided) Pascal (manuals provided)						
98261E (Opt. 715)	Right to Execute Pascal						
(Opt. 810) (Opt. 820) (Opt. 830) (Opt. 840) (Opt. 850)	Keyboard/Character Sets for 9826A/9836A French Keyboard/Character Set Spanish Keyboard/Character Set German Keyboard/Character Set Katakana Keyboard/Character Set Swedish-Finnish Keyboard/Character Set						
98256A	256K-byte RAM memory board						
98270F	Field-installable Powerfail Upgrade Kit for 9826A/9836A**						
98620A	2-channel DMA controller card (HPL and Pascal only)						
98622A (Opt. 001) (Opt. 002) (Opt. 003) (Opt. 004)	9826A/9836A Interface Cards 16-bit GPIO Interface 4.6M (15 ft) unterminated cable .8M (2.5 ft) terminated cable for 9885M Flexible Disc Drive 4.6M (15 ft) terminated cable for 6940A/B Multiprogrammer 2.5M (8.3 ft) terminated cable for 9866A/B Thermal Printer						
98623A (Opt. 001)	BCD Interface (HPL only) 4.6M (15 ft) unterminated cable						
98624A 10833A 10833B 10833C 10833D	HP-IB Interface 1M (3.3 ft) HP-IB cable 2M (6.6 ft) HP-IB cable 4M (13.2 ft) HP-IB cable .5M (1.6 ft) HP-IB cable						
98626A (Opt. 001) (Opt. 002) (13265A) (13266A)	Serial Interface 4.9M (16 ft) RS-232 cable with DTE connector (male) 4.9M (16 ft) RS-232 cable with DCE connector (female) 300 Baud Modem Current Loop Interface						
98627A	Color Video Interface						
98628A (Opt. 001) (Opt. 002) (Opt. 099) (Opt. 100) 13264A 13265A 13266A	Datacommunications Interface RS-232-C DTE cable (male) RS-232-C DCE cable (female) No cable Asynch and Data Link ROM Data Link Adaptor 300 Baud Modem Current Loop Interface						

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** May require additional modification to earlier versions of the 9826A.

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9826A/9836A Utilities

Product No.	Description	Equipment	Price*
09836-10000	BASIC Utilities Pack Provides mass storage and program documentation utilities. Also, mainframe feature and application demonstration programs for the BASIC language system.	Required: 9826A or 9836A, Opt. 011 or 711 Recommended: 2671G, 2673A or other printer	
09826-10030	BASIC Enhancements Pack Non-erasable binary program provides additional features to 9826A Opt. 001 or 701, including ON KBD, WHILE, SELECT, REPEAT, LOOP, COPY, SUSPEND/RESUME INTERACTIVE, 98628A datacomm card driver and support for 9895 and 82901 disc drives. (All these capabilities are standard in Opt. 011 and 711.)	9826A Opt. 001 or 701 only. Uses approx. 21K bytes user read/write memory.	

* Prices subject to change.

9826A/9836A Supported System Peripherals

Product No.	Description	Price* (FOB Factory)	Total	P.M.M.C.†	Total
2631G 2671G 2673A 9876A 82905A/B	PRINTERS Serial Impact Graphics Printer Serial Thermal Graphics Printer Intelligent Serial Thermal Graphics Printer Thermal Graphics Printer Serial Impact Printer				
9872C 9872T 7225B 17601A 7470A 7580A	PLOTTERS Eight-Color Plotter Eight-Color Plotter Graphics Plotter 9872 Personality Module Graphics Plotter Drafting Plotter				
9111A	TABLETS Graphics Tablet				
9885M 9885S 9895A 82901M 82901S 82902M 82902S 9134A 9135A	MASS STORAGE 8" Flexible Disc Drive (Master)** 8" Flexible Disc Drive (Slave) 8" Dual Flexible Disc Drive 5¼" Dual Flexible Mini-disc Drives (Master) 5¼" Dual Flexible Mini-disc Drives (Slave) 5¼" Flexible Mini-disc Drive (Master) 5¼" Flexible Mini-disc Drive (Slave) 5¼" Winchester Drive (4.6 Megabytes) Combination 5¼" - 270K byte Flexible Mini-disc/5¼" Winchester Drive (BASIC and HPL only)				
6942A 1360S	MISCELLANEOUS Multiprogrammer Graphics Display System				

* Prices subject to change.

** HPL and Pascal systems only. Requires 98622A Opt. 002 and 98620A DMA Controller.

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9826A/9836A Configuration Information

How

1. Determine which language system you want with your 9826 or 9836 and select the appropriate option.
2. Pick a 98261A add-on language system if you desire a second language. (Refer to TABLES A and B to determine if you have enough memory to operate this system.)
3. Select any I/O cards desired (see TABLE C). Because of the connector plate on the back of the interface cards, a maximum of four can be plugged in. The remaining four slots may still be used for ROM, RAM or DMA cards.
4. Add any additional memory desired (see TABLE D regarding memory limitations – the eight slots in the card cage must accommodate the I/O, RAM, ROM or DMA controller options).

Example

You need a 9836 with a ROM BASIC system and a RAM Pascal system. You also need a 16-bit parallel card with unterminated cable, a DMA controller and a Datacomm card with a DTE cable. Finally, you want the maximum memory allowable with the given interfaces. To get this system, order:

9836A*	Opt. 715 (Pascal Language System)
98261A	Opt. 011 (BASIC ROM System)
98622A	Opt. 001 (16-bit interface with cable)
98620A	(DMA Controller)†
98628A	Opt. 001 (Datacomm Interface with Cable)
98256A	(Two) Add-on Memory**

* The same ordering information also applies to the 9826A.

** The items listed consume six of the eight slots, leaving room for two additional memory cards. Since Opt. 715 already provides two 256K-byte RAM cards, the two additional cards bring total memory to over 1 Mbytes.

† DMA capability is currently supported in Pascal and HPL, but not BASIC.

A. Computer/Language Options

System	Model/Option	Total Memory Supplied*	User Memory**	Slots (Required in Card Cage)
BASIC ROM	9826A/9836A, Opt. 011	64K	42K (approx.)	1
HPL ROM	9826A/9836A, Opt. 014	64K	53K/43K (approx.)	1
BASIC RAM	9826A/9836A, Opt. 711	320K	42K (approx.)	1
HPL RAM	9826A/9836A, Opt. 714	256K	204K/194K (approx.)	1
Pascal RAM	9826A/9836A, Opt. 715	576K	256K (approx.)	2

* The first 64K bytes is built in, additional memory (in 256K increments) is installed in the card cage.

** User memory – memory available after meeting system requirements.

B. Add-on Language Systems

System	Product #/Option	Memory Required	Slots (Required in Card Cage)
BASIC ROM	98261A, Opt. 011	Standard 64K	1
HPL ROM	98261A, Opt. 014	Standard 64K	1
BASIC RAM	98261A, Opt. 711	Standard 64K plus 256K add-on*	1
HPL RAM	98261A, Opt. 714	Standard 64K plus 256K add-on*	1
Pascal RAM	98261A, Opt. 715	Standard 64K plus 512K add-on*	2

* To order, see TABLE D.



C. Add-on Interfaces/Cables

Interface	Product #	Cable Option	Cable Part Number*	Description
DMA Controller (HPL and Pascal only)	98620A			Used in conjunction with GPIO and HP-IB interfaces
HP-IB	98624A		10833A 10833B** 10833C 10833D	1.0M (3.3 ft) 2.0M (6.6 ft) 4.0M (13.2 ft) 0.5M (1.6 ft)
GPIO	98622A	Opt. 001 Opt. 002 Opt. 003 Opt. 004	5061-4209 5061-4211 5061-4210 5061-4212	4.6M (15 ft) unterminated 0.8M (2.5 ft) for 9885M disc 4.6M (15 ft) for 6940B 4.6M (15 ft) for 9866 printer
BCD (HPL only)	98623A	Opt. 001	5061-4217	4.6M (15 ft) unterminated
Serial	98626A	Opt. 001 Opt. 002	5061-4215 5061-4216	RS-232, 4.9M (16 ft) with DTE connector (male) RS-232, 4.9M (16 ft) with DCE connector (female)
Color Video	98627A			Color interface
Datacommunications	98628A 13264A 13265A 13266A	Opt. 001 Opt. 002 Opt. 099 Opt. 100	5061-4215 5061-4216	RS-232C, 4.9M (16 ft) with DTE connector (male) RS-232C, 4.9M (16 ft) with DCE connector (female) No cable Asynch and Data Link ROM Data Link Adapter 300 Baud Modem Current-Loop Interface

* Use Part number only when ordering separately.

** This cable is supplied with the built-in HP-IB interface.

D. Memory Matrix

Use Product number 98256A to order add-on memory (256K board). Note that the card cage has eight slots shared by interface cards (up to four), System ROMs, and RAM memory. Thus the I/O configuration and the language system influence user memory size, as indicated below.

I/O Cards Configured	ROM Systems (Approx. Max. User Memory)		RAM Systems (Approx. Max. User Memory)		
	BASIC (One Slot)	HPL - 9826/9836 (One Slot)	BASIC (One Slot)	HPL - 9826/9836 (One Slot)	Pascal* (Two Slots)
0	1877K	1889K/1879K	1877K	2040K/2030K	1792K
1	1615K	1627K/1617K	1615K	1778K/1768K	1536K
2	1353K	1365K/1355K	1353K	1516K/1506K	1280K
3	1091K	1103K/1093K	1091K	1254K/1244K	1024K
4	828K	841K/831K	828K	992K/982K	768K

* The amount of actual user read/write memory varies in Pascal, depending on specific operating conditions in the subsystem being run.

Support Services

Product No.	Description	Price* (FOB Factory)	Total
98081K	SIS for 9826/9836 (add language option below)		
98082K	SIS addition for HPL Language System		
98083K	SIS addition for BASIC Language System		
98084K	SIS addition for Pascal Language System		
98096A	General Purpose Consulting		
98097A	Interface Consulting		
98510A	BASIC Customer Course for 9826A/9836A		

* Prices subject to change.

Miscellaneous

Product No.	Description	Price* (FOB Factory)	Total
09826-87902	9826A/9836A BASIC Language Manual Kit		
09826-90000	9826A/9836A BASIC Operating Manual		
09826-90010	9826A/9836A BASIC Programming Techniques		
09826-90020	9826A/9836A BASIC Interfacing Techniques		
09826-90055	9826A/9836A BASIC Language Reference		
09826-87903	9826A/9836A HPL Language Manual Kit		
09826-90040	9826A/9836A HPL Operating Manual and Programming Update		
09826-90045	HPL Quick Reference		
09825-90200	9825 Operating & Programming Manual		
09825-90210	9825 I/O Control Reference		
09825-90220	9825 Disc Programming		
09825-90022	9825 Matrix Programming		
09826-87904	Pascal Language Manual Kit		
09826-90070	9826A/9836A Pascal Operating Manual		
09826-90071	9826A/9836A Pascal Language Reference		
09826-90072	9826A/9836A Pascal Problem-Solving		
09826-90073	9826A/9836A Motorola MC68000 Assembly Manual		
92190A	Blank Mini-discs (box of 10)		
9222-0817	Dust Cover for 9826A Dust Cover for 9836A		
9211-2662	Fiberglas Carrying Case for 9826 or 9836 Base		
9211-2652	Fiberglas Carrying Case for 9836 Top		
1490-0913	Caster Kit for Transit Case		

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.

* Prices subject to change.

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 applied for ninety (90) days from date of delivery.** 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 Sales and Service office to determine warranty terms.



