

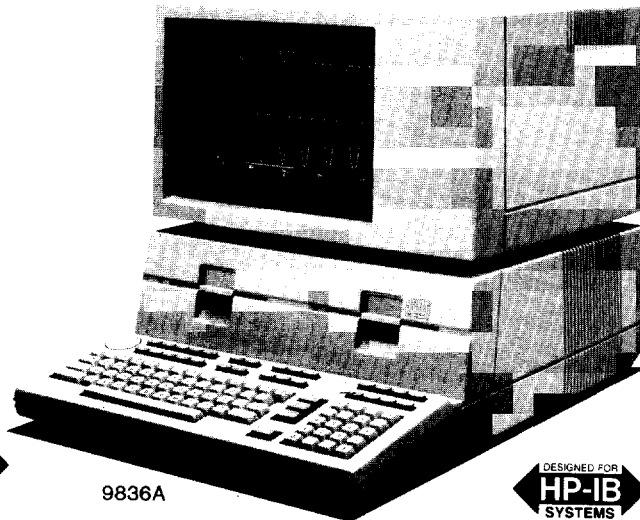
# COMPUTERS, PERIPHERALS & CALCULATORS

Desktop Computers

Models 9826A, 9836A



9826A



9836A



## HP 9826 and 9836 Desktop Computers

The HP 9826 and 9836 Desktop Computers are fast, versatile tools that can help you in computer-aided engineering and manufacturing. These integrated packages include a 16-bit microprocessor, read/write memory of up to 2 megabytes, alphanumeric and graphics CRT display, multiple language capability, typewriter-like keyboard, built-in flexible disc drive, and real-time clock.

The 9826 and 9836 are advanced power tools ideally suited for computer-aided testing. Their high computational speed make them effective in such areas as computer-aided engineering and manufacturing as well. These computers have proven particularly useful in laboratory instrument automation, production testing, and quality control applications.

The data display graphics lets you view all computational results. The computers can also output results as hard copy via an external printer or plotter. The 9826 has a 7-inch (178 mm) CRT with a 300 by 400 dot raster, while the 9836 has a 12.2 inch (310 mm) CRT with a 390 by 512 dot raster. Both models include ten programmable softkeys (with shift), and 15 levels of priority program interrupt.

## Multiple Languages

The HP 9826 and 9836 feature three languages—BASIC, HPL, and Pascal—allowing you to choose the language that best suits your applications.

HP 9826/9836 BASIC builds on earlier versions of BASIC and includes enhancements from FORTRAN, ALGOL, and APL. It is a high-performance language especially suited to the I/O-oriented user's needs.

HPL is a concise and effective language that meets the requirements of the engineer or scientist. Its features include formula-oriented syntax, explicit I/O control, and high-speed I/O and computing. It is upward-compatible with programs written for the HP 9825 desktop computer.

Pascal is a forward-looking language that provides "top-down" programming structure and ease of writing, debugging, and maintenance. All three languages are available in both RAM and ROM configurations.

## I/O Flexibility

Flexible I/O allows you to tailor the 9826 or 9836 to your particular applications. A wide variety of data formats minimizes system alterations. Insertable I/O cards provide easy interfacing to a wide range of instruments, peripherals, and even other computing systems. Installation is simply a matter of setting address switches and inserting the interface board into one of the slots.

All I/O cards have been designed to be functionally compatible with I/O cards used by the HP9825, 9835, and 9845 at the peripheral or device end. Built-in I/O drivers eliminate the problem of writing drivers or low-level commands by automatically handling I/O formatting and communications with the interface cards.

\*Visi Calc (R) is a registered trade mark of VisiCorp.

## Interfacing Capability

The HP 9826 and 9836 feature a built-in HP-IB (IEEE-488-1978) interface that allows the widest degree of flexibility when connecting with instruments and peripherals. The HP-IB control language is simple, yet powerful, allowing extensive control of external devices.

In addition to the built-in HP-IB interface, there are seven external interface cards: the HP 98622A GPIO interface for bidirectional information transfer; 98623A BCD for bit-parallel, digit-parallel and binary coded decimal devices; 98624A HP-IB to augment the built-in HP-IB; 98626A Serial for bit-serial communication to some asynchronous devices; 98627A Color Video to enable displaying color graphics on an external color CRT monitor; 98628A Data Communications for other asynchronous devices; and a 98620A 2-channel DMA Controller for high-speed I/O.

## Additional Features

Contributing to the speed and versatility of the 9826 and 9836 are a 16-bit Motorola MC68000 CPU with a built-in 8-MHz clock, a 133 mm (5 1/4 inch) flexible disc with 260 Kbyte capacity, a rotary control knob for cursor control, interrupt generation and analog simulations, a 128-character ASCII keyboard with ten (20 with shift) softkeys, and special function keys for program editing, cursor control and system control.

Keyboards are available in English, French, German, Spanish, Swedish-Finnish, and Japanese. A number of prewritten software packages, such as statistics, electrical engineering design, and VisiCalc (R)\*, allow the user to quickly apply the 9826 or 9836 to these areas. Graphics and alphanumerics can be easily transferred to hard copy via an external printer.

## Ordering Information

### Price

The HP 9826 and 9836 Desktop Computers include 64 Kbytes of R/W memory, graphics, CRT, internal HP-IB and 260 Kbyte disc drive. They are available with the following options:

9826A	
Opt. 011 With BASIC 2.0 ROM-based system	\$8950
Opt. 014 With HPL 2.0 ROM-based system	8950
Opt. 711 With BASIC 2.0 language disc and additional 256 Kbytes of R/W memory	9950
Opt. 714 With HPL 2.0 language disc and additional 256 Kbytes of R/W memory	9950
Opt. 715 With Pascal language system and additional 512 Kbytes of R/W memory	12750
9836A	
Opt. 001 With BASIC 2.0 ROM-based system	11950
Opt. 014 With HPL 2.0 ROM-based system	11950
Opt. 711 With BASIC 2.0 language disc and additional 256 Kbytes of R/W memory	12950
Opt. 714 With HPL 2.0 language disc and additional 256 Kbytes of R/W memory	12950
Opt. 715 With Pascal language system discs and additional 512 Kbytes of R/W memory	15750