9825A ◀ HP-IB ▶

9825A

The 9825A Desktop Computer, designed principally for use in engineering, research and statistics, has many features previously found only on minicomputers. It is a powerful stand-alone device and is particularly suited to controller applications.

Significant contributions include two-level priority interrupt, live keyboard, direct memory access with input speeds up to 400k 16-bit words per second, high-performance bidirectional tape drive, multidimensional arrays, automatic memory record and load, and extended internal calculation range ($\pm 10^{511}$ to $\pm 10^{-511}$). Some of these are standard features and others are available in optional plug-in read-only memories (ROMs).

HPL, a high-level, formula-oriented language, is easy to learn and is designed for controller applications as well as for data processing. HPL provides for subroutine nesting and flags and allows 26 simple variables and 26 multidimensional array variables, limited only by the size of 9825A's memory. Editing of lines and characters is simple, and error locations are identified by a flashing cursor in the display. Fixed- and floating-point formats can be set from the typewriter-like keyboard.

The keyboard has twelve Special Function keys that, combined with the shift key, can handle 24 different operations. These keys help in program writing and in peripheral and instrument control. They can serve as immediate execute keys, as call keys for subroutines, and as typing aids.

With the live keyboard, never before found on a desktop computer, the user can examine and change program variables, perform complex calculations, call subroutines, and record and list programs while the 9825A is performing other operations.

Interrupt capability, available in the Extended I/O ROM, permits the 9825A to act as a controller for several instruments or peripherals requiring attention at unpredictable rates or times.

A 32-character LED display and a built-in 16-character thermal printer provide alphanumeric readout including both capital and lower-case letters. Some European and Greek characters are also available in an optional ROM.

The high-speed bidirectional data cartridge holds 250k bytes of information and has an average access time of 6 seconds to any place on the tape. Bidirectional search speed is 2286 mm/s (90 in./s), and read/write speed is 559 mm/s (22 in./s). The entire memory can be recorded on the cartridge for reloading at a later time. Verification of files is automatic on recording.

Ordering information
	Price
9815A Desktop Computer	$2900
9825A Desktop Computer	$5900