

# COMPUTERS, PERIPHERALS & CALCULATORS

## Personal Computers

### Series 80



#### Series 80 Model HP-86B

When technical professionals look for a personal computer, they look for computers like the **HP Series 80 Personal Computers**. Series 80 Computers have the ability to act as instrument controllers and data acquisition devices. Both the HP-85B and HP-86B utilize a ROM-based operating system and enhanced HPBASIC (a superset of ANSI BASIC) with up to 350 commands and statements. There's also a broad line of HP Series 80 Personal Computer products including printers, plotters, firmware, interfaces, and software, all designed with the technical professional in mind.

#### The HP-85B Personal Computer

For the technical professional who needs an integrated system to perform analysis, testing, or instrument control, the HP-85B is the logical choice. The HP-85B features an integral thermal printer, custom CPU, 32K bytes of built-in RAM, tape-drive storage and Electronic Disc high-speed mass storage. Additional built-in features include an I/O ROM that gives you a universal set of 45 input/output commands and functions, as well as Mass Storage ROMs that let you use flexible disc and Winchester disc drives.

#### HP-85B Specifications

- User Memory (bytes):** 32K (standard and maximum).
- Electronic Disc Memory (bytes):** 32K (standard), 544K (maximum).
- CRT Display Area:** 12.7 cm (5 inches) diagonal.
- Display Capacity:** alphanumeric — 16 lines x 32 characters; graphics — 192 x 256 dots.
- Thermal Printer:** 32-character width, 2 line/sec., bidirectional, adjustable intensity.
- Magnetic Tape Cartridge:** 210K byte capacity, 42 separate files, search speed of 60 in./sec., read/write speed of 10 in./sec.
- Power Requirements:** 90 to 127 Vac (115 Vac line), 200 to 254 Vac (230 Vac line) switch selectable, frequency of 50 to 60 Hz.
- Size:** 15 x 41.9 x 45.2 cm (6.3 x 16.5 x 17.8 inches).



#### Series 80 Model HP-85B

#### The HP-86B Personal Computer

The other member of the HP Series 80 family, the HP-86B, was designed for the professional who needs a modular system that can be tailored to fit spacial, financial, and performance requirements. The HP-86B offers lots of memory, a choice of display screens, multiple operating systems, and a broad range of software. A choice of local language keyboards is also available.

#### HP-86B Specifications

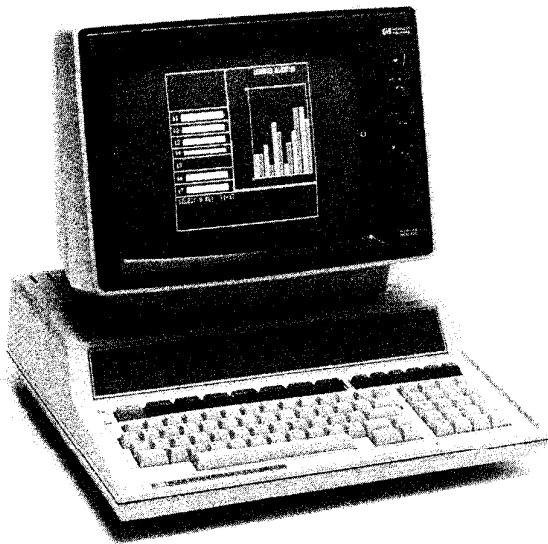
- User memory (bytes):** 128K standard, 640K maximum.

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### Series 80

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HP 86B



HP 85B



HP 32936A ROM Drawer

**Electronic Disc Memory (bytes):** Maximum built-in user memory that can be allocated as Electronic Disc—96K; maximum add-on—512K; maximum total—608K.

**Display Capacity:** alphanumeric — 16 or 24 lines (variable) x 80 characters; graphics — 400 or 544 (variable) x 240 dots.

**HP 82912A 9-inch Monitor Size:** 21.8 x 27 x 26.1 cm (8.5 x 10.5 x 10.2 inches).

**HP 82913A 12-inch Monitor Size:** 29.6 x 36 x 33 cm (11.5 x 14 x 12.8 inches).

**Power Requirements:** 90 to 127 Vac (115 Vac line), 200 to 254 Vac (230 Vac line), switch selectable. Frequency of 50 to 60 Hz.

#### System Expansion Capacity

##### Memory Modules

You can increase the internal read/write memory of an HP Series 80 Personal Computer with optional memory modules that plug into the expansion ports in the back of the computer. Add memory to your HP-86B with the HP 82908A 64K and HP 82909A 128K Memory Modules. You can also add to the Electronic Disc memory on your HP-85B or HP-86B Personal Computer using the same memory modules.

#### Series 80 Peripherals

##### Mass Storage Units

Hewlett-Packard offers you a choice of mass storage units to fit your computing needs, from single and dual 3½-inch and 5¼-inch disc drives up to 10 Megabyte Winchester disc drives.

**Flexible Disc Systems:** HP 9121D (dual), 3½-inch; HP 3121S (single), 3½-inch; HP 82901M (dual), 5¼-inch; HP 82902M (single), 5¼-inch.

**Winchester Disc Systems:** HP 9133V, 4.8 Mb plus 3½-inch single disc drive; HP 9133V Opt. 004, 4.6 Mb plus 3½-inch single disc drive; HP 9133XV Opt. 010, 9.6 Mb plus 3½-inch single disc drive; HP 9134XV Opt. 010, 9.6 Mb Winchester only.

##### Printer Options

The listing below outlines the printers that can be used with Series 80 Personal Computers. For a detailed description of each, refer to Printers, beginning on page 57.

**General Purpose:** ThinkJet (HP 2225A), ink-jet printer; HP 82905B, dot-matrix printer; HP 82906A, dot-matrix printer; HP 2630 Series, impact printers; HP 2670 Series, thermal printers.

**Word-processing:** HP 2601A Daisy-wheel; HP 2602A Daisy-wheel.

##### Graphics Options

The listing below outlines the graphics options which can be used with HP Series 80 Personal Computers. For a detailed description, refer to Graphics Plotters, beginning on page 96, and Graphics Tablet, beginning on page 104.

**Graphics Plotters:** HP 7470A, 7475A, 7550A, 7580B, 7585B, 7586B.

**Graphics Tablet:** HP 9111A.

##### Ordering Information

	Price
HP-85B Personal Computer	\$3265
HP-86B Personal Computer	\$1595
HP 82912A 9-inch Monitor	\$ 295
HP 82913A 12-inch Monitor	\$ 325
HP 82908A 64K Memory Module	\$ 395
HP 82909A 128K Memory Module	\$ 595
HP 9121D 3½-inch Dual Flexible Disc Drive	\$ 965
HP 9121S 3½-inch Single Flexible Disc Drive	\$ 710
HP 82901M 5¼-inch Dual Flexible Disc Drive	\$2730
HP 82902M 5¼-inch Single Flexible Disc Drive	\$1520
HP 9133XV 5Mbyte Combination Winchester Disc Drive with 3½-inch single flexible disc drive.	\$3040
HP 9133XV Opt. 004 same as above in 4-volume	\$3040
HP 9133XV Opt. 010 10 Mbyte Combination Winchester disc drive with 3½-inch single flexible disc drive.	\$3345
HP 9134XV Opt. 010 10 Mbyte Winchester Disc Drive	\$3040

All printers and plotters equipped with HP-IB interface except where noted.

HP 82905B Opt. 002 Printer	\$ 795
HP 82906A Opt. 002 Printer	\$ 995
HP 2225A ThinkJet Printer	\$ 495
HP 2932A Opt. 046 Printer	\$ 2545
HP 2671A Thermal Printer	\$ 1240
HP 2671G Thermal Graphics Intelligent Graphics Printer	\$ 2240
HP 2601A Daisy-wheel Printer (RS-232C Interface)	\$ 3520
HP 2602A Opt. 046 Daisy-wheel Printer	\$ 1950