

Personal Computer Users Catalog



HP Computer Museum
www.hpmuseum.net

For research and education purposes only.

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Bring out the best in your HP equipment

In this catalog you will find a comprehensive listing of supplies, accessories and software for your HP handheld/portable/personal computer. These products are HP quality-tested to ensure optimal performance. You can expect hours of reliable computer/peripherals operation when you choose these HP supplies.

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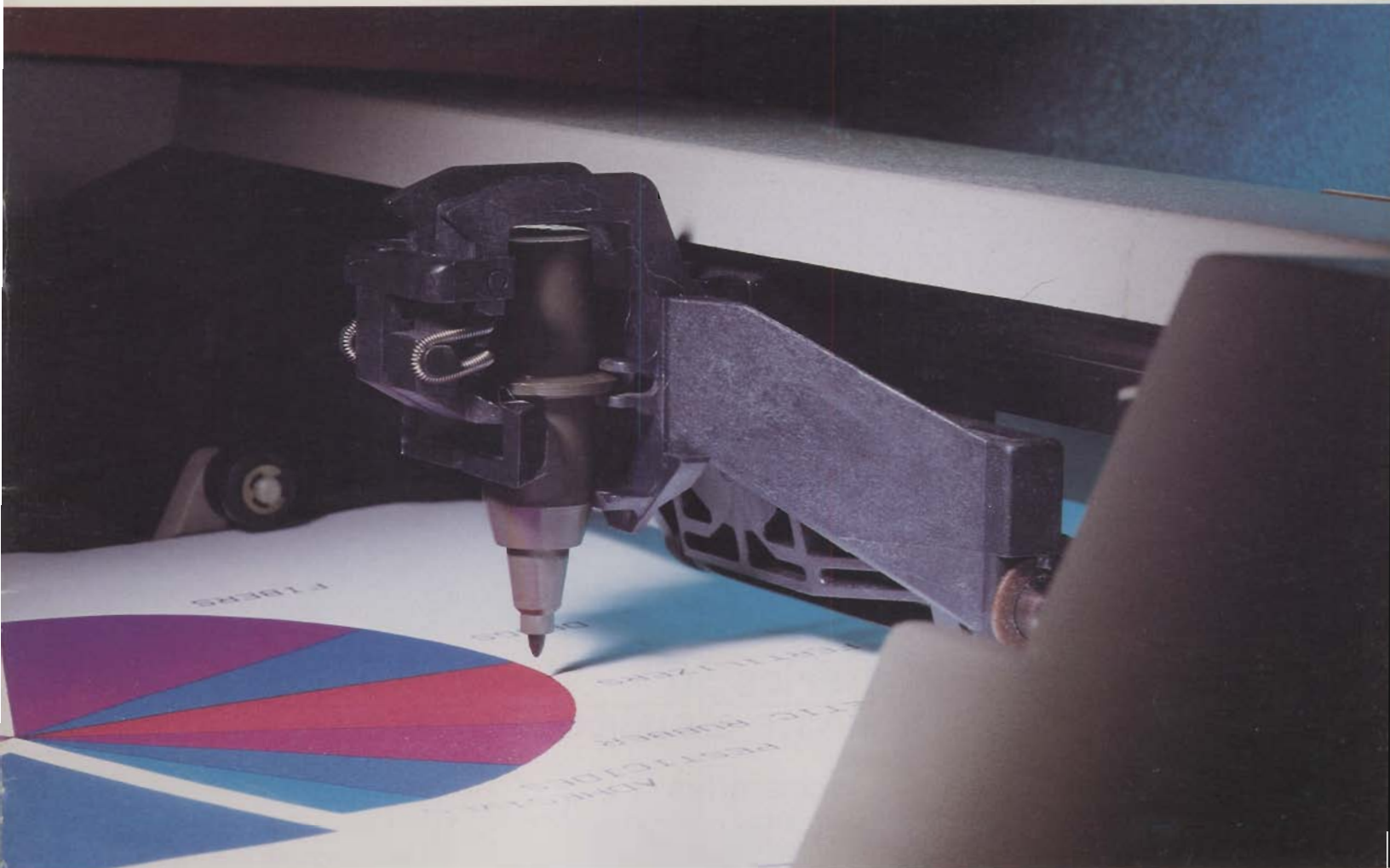
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Handheld calculators/computers



Series 30

HP-31E, 32E, 33E/C, 34C, 37C, 38E/C

Accessories

00097-13154 Program pad for HP-33E, C, 34C, 38E, C
82087B AC Adapter/recharger—110 Vac
82090B AC Adapter/recharger—euro 220 Vac

82103A Reserve power pack
82109A Battery pack
82110A Soft case

Application Books*

00033-90067 HP-33E/C Standard applications book—english
00033-90068 HP-33E/C Standard applications book—spanish
00033-90030 HP-33E/C Mathematics applications book—english
00033-90031 HP-33E/C Statistics applications book—english
0033-90032 HP-33E/C Student engineering applications book—english
00033-90033 HP-33E/C Surveying applications book—english
00034-90022 HP-34C Standard applications book—english
00034-90023 HP-34C Standard applications book—english
00034-90032 Mathematics applications book—english
00034-90033 HP-34C Statistics applications book—english
00034-90034 HP-34C Surveying applications book—english
00034-90035 HP-34C Student engineering applications book—english
5955-5267 HP-32E, 33E/C, 34C "Solving problems with your Hewlett-Packard calculator"—english

00038-90024 HP-37E, 38E/C Real estate applications book—english
00038-90025 HP-37E, 38E/C Lending, savings, & leasing applications book—english
00038-90026 HP-37E, 38E/C Investment analysis & statistics applications book—english
00038-90027 HP-37E, 38E/C Investment analysis & statistics applications book—spanish
00038-90049 HP-37E, 38E/C Marketing & forecasting applications book—english
00038-90051 HP-37E, 38E/C Real Estate II (income property analysis)—english
00038-90052 HP-38E/C Personal finance applications book—english
5955-5296 HP-37E, 38E/C "Your HP financial calculator"—english

Documentation

See page 4.

*Additional languages available. Contact your local authorized HP dealer or HP sales office

HP-12C Advanced programmable financial calculator

Series 10

HP-10C, 11C, 12C, 15C, 16C

Accessories

82174A Soft case

Solution Books

00011-90009 HP-11C Solutions handbook—english
00012-90009 HP-12C Solutions handbook—english
00012-90015 HP-12C Real estate handbook—english
00015-90011 HP-15C Advanced functions manual—english

Documentation

See page 4.

Series 40

HP-41C/CV

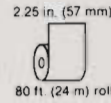


Accessories

- 00041-15001** Standard applications module—english
- 00041-90402** Standard applications book—english
- 00097-13141** 40 Blank program cards with holder—for 82104A card reader
- 00097-13143** 120 Blank program cards with 3 holders—for 82104A card reader
- 00097-13206** 1000 Blank program cards without holders—for 82104A card reader
- 00097-13142** 3 Program card holders for 82104A card reader

82044A Security cable for 82143A, 82161A, 82162A

82045A Box of 6 rolls thermal printing paper for 82143A and 82162A—blue print.



82175A Box of 6 rolls thermal printing paper for 82143A and 82162A—black print.

82059B AC adapter/recharger for 82120A, 82143A, 82161A, 82162A, 82163A, 82164A, 82165A, 82168A, 82169A—110 Vac

82066B AC adapter/recharger for 82120A, 82143A, 82161A, 82162A, 82163A, 82164A, 82165A, 82168A, 82169A—euro. 220 Vac

82111A Soft case holds HP-41 plus card reader 82104A

82120A Multipurpose rechargeable battery pack†

82151A Package of 2 module holders

82152A 5 Blank key overlays

82172A 50 Blank overlays

NEW **82220A** HP-41 touchpad

†AC adapter must be purchased separately.

Memory, extensions & interface modules

82106A Memory module (HP-41C only). Each module adds 64 registers; use up to four modules.

82160A HP-IL interface module (Series 40).

82163A Video interface—U.S.

82163B Video interface—euro.

82164A HP-IL/RS-232C interface

82165A HP-IL/GPIO interface

82166A HP-IL converter prototyping kit

82166B HP-IL converter (10 pack)

82168A HP-IL acoustic modem (available summer 1983).

82169A HP-IL/HP-IB interface

82170A Quad memory module (HP-41C only). Adds 256 registers; use one only. Do not use with 82106A modules.

82180A Extended functions/memory module. Adds 889 bytes extended memory and memory management functions; also programmable assign, string functions.

82181A Extended memory module. Adds 1666 bytes on 238 data registers; use up to two of these modules; requires 82180A.

82182A Time module. Clock functions.

82183A Extended I/O module. Adds flexibility for accessing mass memory device files, and more general I/O capabilities. Requires 82160A.

82184A Plotter module. Adds bar code generation and plotting capabilities.

82938A HP-IL/Series 80 interface

Application Pacs*

NEW **00041-15042** Auto-start duplication ROM

00041-15018 Aviation pac (pre-flight use only)—english

00041-15006 Circuit analysis pac—english

00041-15024 Clinical lab & nuclear medicine pac—english

00041-15004 Financial decisions pac—english

00041-15030 Financial decisions pac—spanish

00041-15022 Games pac—english

00041-15023 Home management pac—english

NEW **00041-15043** HP-IL development module—english

00041-15020 Machine design pac—english

00041-15003 Mathematics pac—english

00041-15029 Mathematics pac—spanish

00041-15017 Navigation pac—english

NEW **00041-15039** Petroleum fluids pac—english

00041-15016 Real estate pac—english

00041-15026 Securities pac—english

NEW **00041-15001** Standard applications pac—english

00041-15002 Statistics pac—english

00041-15028 Statistics pac—spanish

00041-15027 Stress analysis pac—english

00041-15021 Structural analysis pac—english

00041-15005 Surveying pac—english

00041-15019 Thermal & transport science pac—english

Solution Books*

00041-90093 Antennas—english

00041-90094 Business statistics/marketing/sales—english

00041-90145 Calendars—english

00041-90097 Cardiac/pulmonary—english

00041-90100 Chemical engineering—english

00041-90102 Chemistry—english

00041-90089 Civil engineering—english

00041-90092 Control systems—english

00041-90088 Electrical engineering—english

00041-90139 Fluid dynamics & hydraulics—english

00041-90099 Games I—english

NEW **00041-90443** Games II—english

00041-90084 Geometry—english

00041-90140 Heating, ventilating, & air conditioning—english

00041-90083 High-level mathematics—english

00041-90096 Home construction estimating—english

00041-90086 Lending, savings & leasing—english

00041-90090 Mechanical engineering—english

00041-90143 Optometry I (general)—english

00041-90144 Optometry II (contact lens)—english

00041-90142 Physics—english

00041-90136 Real estate—english

00041-90137 Small business—english

00041-90138 Solar engineering—english

NEW **00041-90441** Structural design solutions book with cassette—english

00041-90141 Surveying—english

00041-90082 Test statistics—english

00041-90395 Time module solutions I—english

5955-9422 Users' library catalog of contributed programs—english


*Additional languages available. Contact your local authorized HP dealer or HP sales office.

HP-IL Accessories

82033A Battery pack for 82161A, 82162A, 82168A

82037A Reserve power pack for 82161A, 82162A, 82168A

82044A Security cable for 82143A, 82161A, 82162A

82045A Box of 6 rolls thermal printing paper for 82143A and 82162A —blue print.  2.25 in. (57 mm) 80 ft. (24 m) roll


82059B AC adapter/recharger for 82120A, 82143A, 82161A, 82162A, 82163A, 82164A, 82165A, 82168A, 82169A—110 Vac

82066B AC adapter/recharger for 82120A, 82143A, 82161A, 82162A, 82163A, 82164A, 82165A, 82168A, 82169A—euro. 220 Vac

82167A 5 meter HP-IL cable

82167B 1 meter HP-IL cable

82167D 5 meter HP-IL cable

82175A Box of 6 rolls thermal printing paper for 82143A and 82162A —black print.  2.25 in. (57 mm) 80 ft. (24 m) roll

82176A Box of 10 mini data cassettes, each with own protective plastic box. Each cassette can hold up to 131K bytes of information.

82177A Blank labels for mini data cassette (20 sheets = 420 labels)

HP-41CV handheld computer and HP-IL peripherals. Pictured in background, left to right; 82161A digital cassette drive and 82162A thermal printer.

Documentation

Handheld/portable computers and peripherals

Description	Model	Prefix	English	Spanish	Japanese	German	Italian	Dutch	Swedish	French	Danish	Finnish	Euro-Eng
Owner's Handbooks	10C	00010-	90025	90029	90032	90026	90028	90033	—	90027	90034	—	—
Owner's Handbooks	11C	00011-	90001	90005	90008	90002	90004	90017	90006	90003	—	—	—
Owner's Handbooks	12C	00012-	90001	90005	90008	90002	90004	90013	90006	90003	90014	—	—
Training Guide	12C	00012-	90022	—	—	—	—	—	—	—	—	—	—
Owner's Handbooks	15C	00015-	90001	90005	—	90002	90004	—	—	90003	—	—	—
Owner's Handbooks	16C	00016-	90001	—	90005	90002	—	—	—	90003	—	—	—
Owner's Handbooks	32E	00032-	90001	90017	90003	90004	—	90005	90006	90007	90008	90013	90013
Owner's Handbooks	33E/C	00033-	90039	90040	90041	90042	90043	90044	90045	90046	—	90048	90050
Owner's Handbooks	34C	00034-	90001	90002	90003	90004	90005	90006	90007	90008	—	90009	90011
Owner's Handbooks	37E	00037-	90001	90018	90010	90004	90005	90006	90007	90008	90011	—	90014
Owner's Handbooks	38E/C	00038-	90038	90039	90040	90041	90042	90043	90044	90045	90046	—	90048
Owner's Handbooks	41C/CV	00041-	90313	90318	90014	90315	90317	90319	90320	90316	—	—	90313
Guide For The Experienced User	41C/CV	00041-	90328	—	—	90330	90331	90332	—	90329	—	—	—
Owner's Handbooks	75C	00075-	90001	—	—	—	—	—	—	—	—	—	—
Owner's Handbooks	82104A	82104-	90001	90008	90009	90003	90005	90006	90007	90004	—	—	—
Owner's Handbooks	82143A	82143-	90001	90007	90008	90002	90004	90005	90006	90003	—	—	90021
Owner's Handbooks	82153A	82153-	90001	90020	90007	90002	90004	90005	90006	90003	—	—	—
Owner's Handbooks	82160A	82160-	90001	90008	90009	90003	90005	90006	90007	90004	—	—	—
Owner's Handbooks	82161A	82161-	90002	—	—	90003	90005	90006	90007	90004	—	—	—
Owner's Handbooks	82162A	82162-	90001	90007	90008	90002	90004	90005	90006	90003	—	—	—
Owner's Handbooks	82163A	82163-	90001	—	—	90004	90006	—	90008	90005	—	—	—
Owner's Handbooks	82165A	82165-	90002	—	—	90003	—	—	—	90004	—	—	—
Owner's Handbooks	82166A	82166-	90002	—	—	90003	90005	90006	90007	90004	—	—	—
Owner's Handbooks	82180A	82180-	90001	—	90011	90003	90005	90013	90015	90004	—	—	—
Owner's Handbooks	82182A	82182-	90001	—	—	—	—	—	—	—	—	—	—
Owner's Handbooks	82183A	82183-	90001	—	—	—	—	—	—	—	—	—	—
Owner's Handbooks	82184A	82184-	90001	—	—	—	—	—	—	—	—	—	—

Other handheld calculators/computers

Accessories: HP-10A, 19C*

00097-13154 Program pad

82051A Box of 6 rolls thermal printing paper—blue print

82052A Battery pack

82059B AC adapter/recharger—110 Vac

82064A Soft case

82066B AC adapter/recharger—euro 200 Vac

Accessories: HP-21, 22, 25/25C, 27, 29*

00097-13154 Program pad for HP-25/C, HP-29

82019B Battery pack

82026A AC adapter/recharger—110/220 Vac

82027A Soft case for HP-29C

82028B Reserve power pack

82041A AC adapter/recharger—110 Vac

Accessories: HP-35, 45, 55, 65, 67, 70, 80*

00067-90011 HP-67 owner's handbook—english

00067-90015 HP-67 owner's handbook—spanish

00097-13141 40 blank program cards for HP-65/67 (includes card holder)

00097-13143 120 blank program cards for HP 65/67 (includes 3 card holders)

00097-91206 1000 blank program cards for HP-65/67

00097-13142 3 program card holders for HP-65/67

00097-13154 Program pad for HP-65/67

82001B Battery pack

82002A AC adapter/recharger - 110/220 Vac switchable

82004A Reserve power pack

82015A Security cradle for HP-65/67

82053A Soft case for HP65/67

Accessories: HP-91, 92, 97*

00097-90001 HP-97 owner's handbook—english

00097-90005 HP-97 owner's handbook—spanish

00097-13141 40 blank program cards for the HP-97 (includes card holder)

00097-13143 120 blank program cards for HP-97 (includes 3 card holders)

00097-13206 1000 blank program cards for HP-97

00097-13142 3 program card holders for HP-97

00097-13154 Program pad for HP-97

82033A Battery pack

82035A Soft case

82037A Reserve power pack

82044A Security cable

82045A Box of 6 rolls thermal printer paper—blue print

82059B AC adapter/recharger—110 Vac

82066B AC adapter/recharger—euro 220 Vac

Application Pacs: HP-67, 97**

00067-13101 HP-67 standard pac—english

00067-13105 HP-67 standard pac—spanish

00097-13101 HP-97 standard pac—english

00097-13105 HP-97 standard pac—spanish

00097-13144 Business decisions pac—english

00097-13195 Civil engineering pac—english

00097-13165 Clinical lab & nuclear medicine pac—english

00097-13131 Electrical engineering pac I—english

00097-13185 Games pac—english

00097-13121 Math pac I—english

00097-13155 Mechanical engineering pac I—english

00097-13205 Navigation pac—english

00097-13111 Statistics pac I—english

00097-13175 Survey pac I—english

*Owner's handbooks for these handheld calculators/computers may be special ordered through your local authorized HP dealer or HP sales office.

**Additional languages available. Contact your local authorized HP dealer or HP sales office.

Portable computers



HP-75 Computer

Series 70

Accessories NEW

00075-90001 HP-75C owner's manual—english

00075-90004 HP-75C reference manual—english

82001B Rechargeable battery pack

82002A Switchable recharger—110/220 vac (for 82004A power pack only).

82004A Reserve power pack—(requires an HP 82002A)

82059B AC adapter/recharger—110 Vac

82700A 8K memory module

82703A Field case

82707A 30 blank magnetic card pac

82708A 100 blank magnetic card pac

82710A 5 blank key overlays

82715A 5 notebook card holders

82717A 50 blank key overlays

Solution Books* NEW

00075-13008 Electronics—english

00075-13009 Finance—english

00075-13006 Games I—english

00075-13007 Games II—english

00075-13013 I/O utilities—english

00075-13003 Math I—english

00075-13004 Math II—english

00075-13005 Math III—english

00075-13010 Real estate—english

00075-13011 Statistics—english

00075-13012 Test statistics—english

*Magnetic program cards are included

Interfaces

82163A Video interface—U.S.

82163B Video interface—euro.

82164A HP-IL/RS-232C interface

82165A HP-IL/GPIO interface

82166A HP-IL converter prototyping kit

82166B HP-IL converter (10 pack)

82168A HP-IL acoustic modem (available summer 1983)

82169A HP-IL/HP-IB interface

82938A HP-IL/Series 80 interface

HP-IL Accessories

See HP-IL accessories listed on page 4.

Documentation

See page 4.

Personal computers



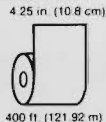
(Left): HP-86; (above top) HP-120; (above) Series 200 model 16.

Series 80

Accessories

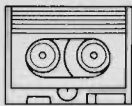
82931A Box of 2 rolls thermal paper, blue print. 4 25 in. (10.8 cm)

82954A Box of 2 rolls thermal paper, black print. 400 ft. (121.92 m)



Mini data cartridges

98200A Box of 5 mini cartridges, each with own protective plastic box.



These rugged HP-manufactured storage devices are each 100% tested mechanically (for proper tape tension and drive force requirements) and electromagnetically (for error-free data recording). Metal backplate construction helps ensure accurate alignment of tape guides and other internal parts, while providing a grounding surface to protect the minicartridge from effects of static electricity. For optimum performance, use HP mini cartridges with your HP-85.



92194D Desktop file

Mini data cartridge storage

92194D Desktop file for mini data cartridge. Designed to provide protection, organization and easy retrieval of invaluable data and programs. This attractive, durable, smoke colored acrylic file holds up to 24 mini data cartridges (HP 98200A).



92206A Mini data cartridge rack

92206A Mini data cartridge rack.

Mobile and stackable! Chrome-finished steel racks are designed for fingertip accessibility of up to 16 mini cartridges or digital cassettes. Racks are stackable for space saving convenience.

Accessories (continued)



92167MIN Mini-cartridge binder and insert

92167M Storage binder holds 6 mini cartridges inside front cover.

The mini cartridges are held secure in the molded storage compartments while in their protective plastic boxes. 1 or 2 molded binder inserts can be placed in this binder, increasing the storage capacity to 12-18 mini cartridges. (see 92167N).

Documentation pertinent to the data and programs recorded on the cartridges can be organized in the standard 2 in. 3 ring mechanism and in an inside back cover vinyl pocket. Protection for the 3-hold documentation is provided by two sturdy page protectors.

92167N Molded binder insert. Package of 3 inserts. Each insert holds 6 mini cartridges (stored in their plastic boxes) and can be held by the sturdy brass-ringed eyelets in a 3 ring binder (sizes 1/2 in. and up). The molded storage compartments are the same quality design and construction as used in the 92167M storage binder. These inserts provide an excellent technique for consolidating programs and data on mini cartridges with supporting documentation in standard 3-ring binders.



Custom HP covers—the professional look in equipment protection.



82933A Carrying case with HP-85 inside.

82933A HP-83/85 carrying case. This soft-vinyl carrying case is designed with form padding to protect your HP-83/85.

13269A—HP-85/86/87 shoulder strap carrying case. This soft-vinyl case is perfect for safely transporting your HP-85/86/87. A pocket inside the case safely stores ROMs and interfaces during transport. External flexible disc drives and monitors must be carried separately.



13269T HP 9121 carrying case. See page 20.

82932A Binder for tape cartridges, flexible discs, & documentation. Designed to meet your storage requirements for Series 80 media and documentation.

82935A Three-ring system literature binder. Ideal for storage of manuals, instruction books, and sales literature.

82948A HP-83/85 dust cover. Designed of durable dark tan cloth to protect your personal computer.

82955A HP-87 dust cover. Protect your valuable personal computer with this durable, dark tan cloth cover.

82956A Keyboard overlays for HP-86 and HP-87. One printed and five blank overlays per package.

Mini data cartridge cleaning kits. See page 21.

82905A/B Printer. See page 24.

Flexible discs. See page 20.

Cables. See page 29.

Series 80 software. See pages 11-15.

Workstations for personal computers. See pages 27-28.

Plug-in Modules

These modules expand the available user memory, add CP/MR System or provide mounting for firmware enhancement ROMs. Each module can plug into any one of the four ports in the back of the computer.

82903A 16K Memory module for HP-85. Adds 16 Kbytes internal read/write memory to the HP-85. Each HP-85 will only accept one 16 Kbyte memory module.

82908A, 82909A Memory modules for HP-86/87. The HP-82908A adds 64 Kbytes internal read/write memory to an HP-86/87. The HP 82909A adds 128 Kbytes. Up to four modules can be used for a maximum of 544 Kbytes.

82967A Speech synthesis module. This Series 80 plug in module allows speech output of over 1500 words/sounds/phrases from your Series 80 computer. Software is included which allows the user to review, listen, and create the needed phrases and store them for later use by an application program. A startup vocabulary of over 1500 words is provided. Software and vocabulary is provided on both a 3 1/2 inch and 5 1/4 inch flexible disc.

HP-85 requires 32 Kbytes memory, a flexible disc drive and a standard 8 ohm speaker or headphone. HP-86 requires 64 Kbytes memory. The monitor speaker can be used with an additional HP 92220M Monitor Cable. HP-87 requires 64 Kbytes memory and a standard 8 ohm speaker or headphone.

82900A CP/M® System. The CP/M System extends the HP-86/87 by providing a wide variety of software solutions. It adds a Z-80 microprocessor and 64 Kbytes of dedicated RAM.

CP/M is a registered trademark of Digital Research, Inc.

Firmware Enhancements (ROMs)

These enhancements are contained in ROM plug-in modules. HP ROMs are used to enhance the capabilities of Series 80 software or integrate peripherals into a Series 80 system. These firmware modules plug into the Series 80 Computer via the 82936A ROM Drawer.

00085-15001 Mass storage ROM. Provides the capability to interface the HP-85 with the HP 8290X-series Flexible Disc Drive or the HP 9134A/9135A Winchester Disc Drive. Consumes 150 bytes of available user memory. (Mass storage ROM capability is built into the HP-86/87).

00085-15002 Plotter/Printer ROM. Provides the capability to interface the HP-85 with HP's high resolution graphics plotters and full-width line printers. Consumes 373 bytes of available user memory.

00087-15002 Plotter ROM. Allows data to be transferred from the HP-86/87 to an HP plotter. Also provides single commands to



82928A System monitor. Provides the necessary hardware to aid in developing and debugging assembly language programs for HP Series 80 Personal Computers. The HP 00085-15007 (or 00087-15007), 82928A and 82929A form a complete set of tools.

82929A Programmable ROM drawer. This drawer lets you use the firmware cre-

ated with the Assembler ROM in Series 80 Computers. You can plug in standard EPROMs that you program yourself in your own code.

82936A ROM Drawer. Provides mounting for up to 6 of the firmware enhancement ROMs-shown below. Plugs into any port on the back of a Series 80 Computer. Only one ROM drawer can be used at a time.

dump CRT graphics and alpha screens to any HP dot matrix printer. (Print and graphics commands for transferring data to an HP printer are included in each HP-86/87). Consumes 1392 bytes of available user memory.

00085-15003, 00087-15003 I/O ROM. Provides straightforward input/output commands that enhance the HP Series 80 BASIC language capability. Consumes 416 bytes of available user memory.

00085-15004, 00087-15004 Matrix ROM. Gives you a powerful set of statements and functions for working with arrays on the Series 80 personal computers. Both matrices (2-dimensional arrays) and vectors (1-dimensional arrays). Consumes only 69 bytes (HP-85) or 73 bytes (HP-86, 87) of available user memory.

00085-15005, 00087-15005 Advanced programming ROM. Extends your control over data, programs and Series 80 system operations with the functions,

statements and commands provided in this ROM. Consumes only 132 bytes (HP-85) or 159 bytes (HP-86, 87) of available user memory.

00085-15007, 00087-15007 Assembler ROM. Provides the capability to write customized assembly language programs that can be executed from Series 80 user memory or burned into EPROMs. Consumes only 124 bytes of available user memory. Use with HP 82928A and 82929A.

00087-15011 MIKSAM ROM. MIKSAM is a powerful software development tool for application programmers and serves as a core around which custom file management can be designed to fill your special needs. With MIKSAM you can even search for more than one category of data at once. Use MIKSAM with your HP-86/87 and a minimum of one disc drive. Consumes 4K bytes of available user memory.

Interface Modules

A variety of useful interface modules are available to connect peripherals and other devices to your Series 80 Personal Computer. The interface modules plug into any one of the four ports in the back of a Series 80 Computer.

82169A HP-IL/HP-IB Interface. Interconnection of HP-IL and HP-IB is possible with the HP-IL/HP-IB interface. It operates in either of two modes: translator or mailbox. In translator mode, a controller exists on either the HP-IL or HP-IB side of the interface, and the devices to be controlled may exist on both sides. Control may be passed between HP-IL and HP-IB controllers as long as only one is active at a time. In mailbox mode, controller systems exist on both sides of the interface, and information may be passed bidirectionally between the two systems through the two resident 110-byte buffers.

82937A HP-IB Interface. The Hewlett-Packard Interface Bus (HP-IB) is an easy-to-use hardware and software interface system that permits bidirectional, asynchronous communication among a wide variety of instruments and peripherals. It implements the IEEE 488-1978 Standard Digital Interface for Programmable Instrumentation and allows your HP computer to communicate with up to 14 HP-IB compatible devices per interface, with a total of no more than 20 meters of cable.

82938A HP-IL Interface. The Hewlett-Packard Interface Loop (HP-IL) is a bit-serial interface that combines low power, small size and low cost. With HP-IL, you can interface as many as 30 devices, with up to 10 meters of cable between each device.

82939A Serial Interface (RS-232C). The Serial Interface is the RS-232C compatible interface for the Series 80 Personal Computer. It provides bit-serial asynchronous data communication and is a common means of communicating between a computer and peripherals such as terminals and printers. The standard 82939A is terminated with an RS-232C female connector for use with the HP 2601A Printer (with its supplied cable). Option 001 is terminated with an RS-232C male connector for use with modems and some non-HP printers.

82940A GPIO Interface (Parallel). This is a general purpose byte (8-bit) or word (16-bit) oriented interface commonly used with printers, paper tape readers and punches, card readers and special instrumentation. It has two output-only 8-bit ports and two bidirectional 8-bit ports. They can be used as separate 8-bit ports or as 16-bit ports.

82941A BCD Interface (Binary Coded Decimal). This interface supports interfacing with BCD instrumentation, such as voltmeters, multimeters, medical systems and weighing systems. It provides the mainframe with 11 digits of 4-bit BCD input or output data plus 4 sign bits for one or two channels.

82949A Printer Interface. Provides interface for the HP Series 80 Computer to drive printers requiring a standard parallel Centronics-type interface. This output-only interface consists of a plug-in module and a captive cable, terminated with a standard Amphenol-type, 36 pin connector.

82950A Modem. Provides data communications in the U.S. for HP Series 80 Personal Computers. It is a serial, asynchronous, full duplex modem which operates at speeds of 110 or 300 baud. It connects directly to the telephone line and is compatible with Bell 103/113

Modems. Features automatic answering, automatic dialing and log-on, five sets of special function keys and includes the data communications software on flexible disc. Specify either option 650 for 5 1/4 inch flexible disc or option 630 for 3 1/2 inch disc.

82966A Data Link Interface. Now you can configure Series 80 personal computers with most other HP computer products on a common network. By implementing the Data Link protocol, the new data link interface enables Series 80 personal computers to connect to an HP 3074A adapter and an I/O ROM functions to communicate over HP's multi-drop data communications network. The network consists of a group of terminals and/or computers connected to a common data line—where a single HP1000/3000 host computer is the master of all communications activity.

HP Series 80 Plug-In Module, ROM and Interface Guide

Computer	HP 85	HP 86/87
NEW Plug-in Modules		
Memory Modules	82903A (16K bytes)	82908A (64K bytes) 82909A (128K bytes)
CP/M System Module	n/a	82900A
System Monitor	82928A	82928A
Programmable ROM Drawer	82929A	82929A
ROM Drawer	82936A	82936A
Speech Synthesis Module	82967A	82967A
NEW ROM Modules		
Mass Storage ROM	00085-15001	HP 86/87: included.
Plotter/Printer ROM	00085-15002	HP 86/87: Printer ROM Included.
Plotter ROM	See 00085-15002	00087-15002
I/O ROM	00085-15003	00087-15003
Matrix ROM	00085-15004	00087-15004
Advanced Programming ROM	00085-15005	00087-15005
Assembler ROM	00085-15007	00087-15007
MIKSAM ROM	n/a	00087-15011
NEW Interface Modules		
HP-IL/HP-IB Interface	82169A	82169A
HP-IB Interface	82937A	HP 86: 82937A HP 87: Included.
HP-IL Interface	82938A	82938A
Serial (RS-232C) Interface	82939A Opt. 001	82939A Opt. 001
GPIO Interface	82940A	82940A
BCD Interface	82941A	82941A
Printer Interface	82949A	HP 86: Included. HP 87: 82949A
Data Link Interface	82966A	82966A
NEW Modem		
	82950A	82950A

Software for HP-86 and HP-87 personal computers

Software package name *	Superseded product number	Product number		Required for operation **
		3 1/2-inch disc	5 1/4-inch disc	
General Business				
☐ MILESTONE* (CP/M) HP+	00087-16009	45580A Opt. 630	45580A Opt. 650	Q
☐ DATEBOOK™ II (CP/M) HP+	n/a	45581A Opt. 630	45581A Opt. 650	Q
VisiCalc* PLUS	00087-13001	00087-13311	00087-13511	64 Kbytes A,J,T
☐ dBASE II™ (CP/M) HP+	00087-16004	-16304	-16004	Q
☐ FILE/80	00087-13006	-13320	-13520	96 Kbytes
Word Processing/Graphics				
☐ WordStar* (CP/M) HP+	00087-16001	00087-16301	00087-16001	Q
☐ SpellStar™ (CP/M) HP+	-16003	-16303	-16003	Q
☐ MailMerge™ (CP/M) HP+	-16002	-16302	-16002	Q
☐ WORD/80	-13005	-13319	-13519	96 Kbytes
Graphics presentations	-13002	-13310	-13510	96 Kbytes, A,J,T
Finance/Accounting				
Peachtree accounting Series 8:				
☐ • General ledger HP+	n/a	00087-16310	00087-16010	64 Kbytes
☐ • Accounts receivable HP+	n/a	-16311	-16011	64 Kbytes
☐ • Accounts payable HP+	n/a	-16312	-16012	64 Kbytes
☐ • Inventory control HP+	n/a	-16314	-16014	64 Kbytes
☐ • PeachPay™ payroll system HP+	n/a	-16313	-16013	64 Kbytes
☐ Fixed asset accounting (p-System) HP+	n/a	-16326	-16026	96 Kbytes
Financial decisions	00085-13004	-13303	-13503	
☐ Personal tax plan (CP/M) HP+	00087-16006	-16306	-16006	Q
☐ Personal tax plan (p-System) HP+	n/a	-16323	-16023	96 Kbytes
☐ Professional tax plan (CP/M) HP+	00087-16005	-16305	-16005	Q
☐ Professional tax plan (p-System) HP+	n/a	-16324	-16024	96 Kbytes
☐ Estate tax plan (p-System) HP+	n/a	-16325	-16025	96 Kbytes
Statistics/Mathematics				
General statistics	00085-13003	00087-13302	00087-13502	
Basic statistics & data manipulation	-13036	-13308	-13508	
Regression analysis	-13037	-13309	-13509	L
Statistical analysis multi pac (above 3 packages)	-13058	-13317	-13517	
Linear programming	-13011	-13306	-13506	
Math	-13005	-13304	-13504	
Engineering				
AC circuit analysis	00085-13006	00087-13305	00087-13505	
Waveform analysis	-13035	-13307	-13507	
Electronics engineering multi pac (above 2 packages, plus Math)	-13059	-13318	-13518	
Surveying	-13046	-13312	-13512	
General/Utility				
☐ BASIC training	00087-13004	00087-13301	00087-13501	
☐ UCSD p-System*/PASCAL HP+	-13012	-13324	-13524	96 Kbytes
FORTTRAN-77 (p-System add-on)	-13014	-13326	-13526	96 Kbytes
☐ UCSD p-System*/FORTTRAN-77 HP+	-13011	-13323	-13523	96 Kbytes
UCSD PASCAL* (p-System add-on)	-13013	-13325	-13525	96 Kbytes
☐ UCSD p-System* runtime module HP+	-13015	-13327	-13527	96 Kbytes
Data Communications				
☐ Data communications	00085-13044	00085-13321	00085-13521	A,D,G,N

HP Series 80 software marked with the HP PLUS logo (HP+) is developed and supported by independent companies. This software has been checked through customer references and by a Hewlett-Packard evaluation team for quality, ease of use and installation. HP Series 80 HP PLUS software is available only in the U.S.

MILESTONE is a registered trademark of Organic Software, Inc.

DATEBOOK is a trademark of Organic Software, Inc.

VisiCalc is a registered trademark of VisiCorp.

dBASE II is a trademark of Ashton-Tate.

WordStar is a registered trademark of MicroPro International Corporation.

SpellStar and MailMerge are trademarks of MicroPro International Corporation.

PeachPay is a trademark of Peachtree Software, Inc.

Fixed Asset Accounting, Personal Tax Plan, Professional Tax Plan and Estate Tax Plan were developed by Aardvark Software, Inc.; Estate Tax Plan developed under the supervision of Dr. William A. Raabe, CPA.

UCSD p-System and UCSD PASCAL are registered trademarks of The Regents of the University of California.

** HP-86 and HP-87 computers all require an external printer and disc memory (items H & K below). Additional system elements, if required to operate the software package.

A ROM drawer (HP 82936A)
D I/O ROM (HP 00085-15003)

G Serial interface (HP 82939A)

H Disc memory (HP 82900-series, 9121D/S, 9134A, 9135A, or 9895A)

J Plotter (HP 7225B w/HP 17601A module, HP9872C, or HP 7470A)

K Printer (HP 82905A/B or HP 2671A/G)

L Basic statistics & data manipulation software (HP 00087-13308 or -13508)

N Modem (HP 82950A, Opt. 630 or 650)

Q CP/M System (HP82900A)

T Plotter ROM (HP 00087-15002)



Software for HP-85 personal computers

	Software package name†	Superseded product number	Product number			Required for operation**
			data cartridge	3½-inch disc	5¼-inch disc	
General Business	VisiCalc® PLUS	00085-13042	00085-13111	00085-13311	00085-13511	A,B,E,F,J
	File manager	88103A	n/a	88103A Opt. 630	88103A Opt. 650	B,E,J,M,P
	Information management	00085-13045	n/a	00085-13322	00085-13522	B,E,J,M
Word Processing/ Graphics	Text editing	00085-13034	00085-13133	00085-13320	00085-13520	A,B,E,F,J
	Graphics presentations	-13038	-13110	-13310	-13510	
Finance/Accounting	Financial decisions	00085-13004	00085-13103	00085-13303	00085-13503	A,D,N B,E,K,M
	Portfolio management	-13060	*	-13324*	-13524*	
	TAJ™ (The Accounts Journal™) HP+	-16001	n/a	-16001**	-16001**	
Statistics/Mathematics	General statistics	00085-13003	00085-13102	00085-13302	00085-13502	L
	Basic statistics & data manipulation	-13036	-13108	-13308	-13508	
	Regression analysis	-13037	-13109	-13309	-13509	
	Statistical analysis multi pac (above 3 packages)	-13058	-13117	-13317	-13517	
	Linear programming	-13011	-13106	-13306	-13506	
	Math	-13005	-13104	-13304	-13504	
Engineering	AC circuit analysis	00085-13006	00085-13105	00085-13305	00085-13505	
	Waveform analysis	-13035	-13107	-13307	-13507	
	Electronics engineering multi pac (above 2 packages, plus Math)	-13509	-13118	-13318	-13518	
	Surveying	-13046	-13112	-13312	-13512	
General/Utility	BASIC training	00085-13002	00085-13101	00085-13301	00085-13501	
	Standard pac	-13001	-13119	n/a	n/a	
	Games	-13010	-13120	-13319	-13519	
	Games II	-13057	-13136	-13323	-13523	
Data Communications	Data communications	00085-13044	00085-13134	00085-13321	00085-13521	A,D,E,G,N

* Data cartridge included in 3½-inch and 5¼-inch disc versions of *Portfolio management* package.

** Single package contains both 3½-inch and 5¼-inch discs.

† HP Series 80 software marked with the HP PLUS logo (HP+) is developed and supported by independent companies. This software has been checked through customer references and by a Hewlett-Packard evaluation team for quality, ease of use and installation. **HP Series 80 HP PLUS software is available only in the U.S.**

VisiCalc is a registered trademark of VisiCorp. TAJ and The Accounts Journal are trademarks of Production Data Systems.

** Additional system elements, if required to operate the software package, are:

- A ROM drawer (HP 82936A)
- B Plotter/printer ROM (HP 00085-15002)
- C Mass storage ROM (HP 00085-15001)
- D I/O ROM (HP 00085-15003)
- E 16 Kbyte memory module (HP 82903A)

- F HP-IB interface (HP 82937A)
- G Serial interface (HP 82939A)
- H Disc memory (HP 82900-series, 9121D/S, 9134A, 9135A, or 9895A)
- J Plotter (HP 7225B w/HP 17601A module, HP 9872C, or HP 7470A)
- K Printer (HP 82905A/B or HP 2671A/G)
- L Basic statistics and data manipulation software (HP 00085-13108, -13308, or -13508)
- M Items A,C,F and H listed above
- N Modem (HP 82950A, Opt. 630 or 650)

Software: HP-85, 86, 87

General Business

MILESTONE® (HP-86/87) A project management and time scheduling product that uses PERT/CPM techniques to increase productivity and management of small projects. It helps project leaders and small business owners clarify the tasks at hand and communicate schedules and priorities.

PERT treats projects as a series of events in a time sequence, and is widely used to track progress. CPM treats projects as a series of activities and is used in project planning.

MILESTONE is a registered trademark of Organic Software, Inc.

DATEBOOK™ II (HP-86/87) Gives an individual or clerical staff a more efficient way to manage time than with an appointment book. Useful where time management is critical to efficiency; doctor's offices, legal firms, business executives, and other professional offices. Appointments can be scheduled, canceled, modified, moved, or held until they can be rescheduled. Openings can be searched by time of day, day of week, or day of year. Print out appointments for the day, display all scheduled appointments for any person, or schedule a conference at a convenient time for all attendees.

DATEBOOK is a trademark of Organic Software, Inc.

VisiCalc® PLUS (HP-85/86/87) This electronic worksheet is a powerful software tool for analysis and solution of complex business and scientific problems. Now enhanced with an extremely useful graphics capability. Any cell in a 254 x 63 matrix may contain a label, numeric value, or calculated result using other cells. Makes financial planning and other analyses easy because the program automatically updates other rows and columns when changes are made. The "PLUS" is an ability to produce line, bar, and pie charts from row and column information without entering new data.

VisiCalc is a registered trademark of VisiCorp.

Software: HP-85, 86, 87 (cont.)



HP-85 Computer, peripherals and graphics presentations software

NEW **dBASE II™** (HP-86/87) A relational database management system with exceptional capabilities to manipulate data. Records can be accessed sequentially or by a sorted index file. The files themselves can also be sorted. Accessing a record in the maximum size file takes only seconds. Up to 65,000 records per file. Database creation and entry is quick and convenient. Once a database has been created, it can work interactively with the user or under the control of user written programs. Programs are written using English-like dBASE II commands.

dBASE II is a trademark of Ashton-Tate

NEW **FILE/80** (HP-86/87) Solution-oriented file management system designed to provide user with an efficient method of managing files and producing output (records, labels, letters) from information in the files.

File manager (HP-85) Create a file structure and enter data into it; then perform searching, sorting, reporting and plotting functions within that structure. File Manager can handle up to 1000 records of 1000 bytes each; file size is dependent on the capacity of your mass storage device. Files can be searched on up to 10 conditions. Report results in one of 3 versatile formats, or create attention-getting line, curve, bar and pie charts.

Information management (IMPAC) (HP-85) Provides a powerful, flexible system for list management. Each record can be 20 to 1024 bytes long. Fields can be defined as Alphanumeric, Numeric-only, and Dollars. Has Create, Update, Search and Extend programs; plus a querying system, report writer and extensive graphics.

Word Processing/Graphics

NEW **WordStar®** (HP-86/87) An easy-to-use screen-oriented word processing system, featuring a series of menus to provide on-screen help for the user. Text is displayed directly on the screen as it is entered, and most formatting takes place immediately. The screen shows a true representation of the printed copy. Block and column move commands allow the movement of text within the document. A three-level training guide is provided to introduce the user to the functions of WordStar.

NEW **SpellStar™** (HP-86/87) Check the user's WordStar files for spelling errors. It includes a dictionary of approximately 20,000 English words. Users can supplement the dictionary with their own words, or create entirely new dictionaries.

NEW **MailMerge™** (HP-86/87) Adds capabilities to WordStar to allow production of form letters, inserting data into printouts, printing multiple copies or creating modular documents using boilerplate files.

WORD/80 (HP-86/87) Complete software product for the generation of memos, letters, and reports. Consists of an editor to create, type, print, and store documents—and a formatter to format and print files created with the editor.

Text editing (HP-85) Write memos, outlines and reports on the display screen. Edit copy, save it on tape or disc, or print it. Variable input/output of text files. Tab, plus add, delete, replace, renumber, and move lines. Matched string search and replace.

Graphics presentations (HP-85/86/87) Prepare professional quality charts and overhead slides for management meetings, customer presentations, sales meetings, management reports, and much more. Text and illustrations can be easily prepared without programming. Simply respond to a series of easy-to-answer questions to generate text and pie, bar, or line charts. Text and chart labels can use 9 sizes and 3 types of letters. Text can be centered, underlined, or both. Graphs and charts can use 6 different types of lines or 6 types of hatching.

Finance/Accounting

The *Peachtree Accounting Series 8* (HP-86/87) allows you to spend more time on analysis and less on bookkeeping. The five Peachtree accounting modules can be used independently, or together as an integrated system that combines entries in all modules for trial balancing and end-of-period reporting. All five modules have been customized in HP BASIC to take advantage of the unique features of HP Series 80 personal computers. Details follow:

NEW Peachtree **general ledger** (HP-86/87) Helps track a company with up to 100 departments. Provides a complete set of management reports and automatically posts transactions entered in other Peachtree modules. General Ledger provides flexible chart-of-account setup, and built-in depreciation/amortization calculations.

NEW Peachtree **accounts receivable** (HP-86/87) Helps prepare bills and obtain timely collections from your customers. Use it to print invoices, statements, and aging reports, as well as maintain information on sales taxes, customer accounts, and details for posting to the General Ledger. At the end of a billing period, AR will execute either a balance forward or a more detailed open-item customer account, or a combination of the two.

NEW Peachtree **accounts payable** (HP-86/87) Maintain a complete master file on each vendor. This AP can show you which invoices to pay—by due date, discount date, or according to your cash flow requirements. Includes detailed aging reports, automatic posting for recurring invoices, and the ability to apply credits to a specific invoice or as an open credit against a vendor record.

NEW Peachtree **inventory control** (HP-86/87) Helps monitor all facets of your inventory operations. Features include three price levels for each item, standard cost or average cost options, and an inventory master file with sales, costs, and reorder information. Handles approximately 1250 inventory items on each 270 Kbyte disc.

Software: HP-85, 86, 87 (cont.)

NEW PeachPay™ payroll system (HP-86/87) A complete payroll system you can use by itself or with Peachtree General Ledger. Maintains a complete employee payroll history and will support weekly, bi-weekly, semi-monthly, and monthly pay periods. Provides 12 deduction categories and 8 earnings categories. Tracks sick and vacation days used and accrued. Tax record maintenance is provided by an annual subscription.

PeachPay is a trademark of Peachtree Software, Inc.

NEW Fixed asset accounting (HP-86/87) For use by small and medium size businesses, accountants, and tax preparers. Program calculates book, federal and state depreciation using a variety of nonrecovery and recovery methods. The program generates 30 reports, including comparisons of book, federal, and state methods. Additionally, the program prepares information for several common tax forms. Assets can be listed by a variety of methods for tracking.

Financial Decisions (HP-85/86/87) An easy-to-use aid in evaluating financial decisions. Programs include: compound interest, loan amortization, discounted cash flow, and depreciation. Interest conversions, bonds, notes, breakeven analysis, and odd-days interest.

NEW Personal tax plan (HP-86/87) An easy-to-use tax planning package for individual home users that contains current tax laws. This package was designed by CPAs and fully tested by a major public accounting firm. Manual provides step-by-step instructions.

NEW Professional tax plan (HP-86/87) An easy-to-use tax planning package for professional tax and financial planners; including CPAs, attorneys, and financial planners. The program is designed by CPAs and contains current tax laws. It has been fully tested by a major public accounting firm.

NEW Estate tax plan (HP-86/87) An estate tax planning package designed for professional tax planners, trust officers, insurance brokers and financial planners.

Estate tax plan was developed under the supervision of Dr. William A. Raabe, CPA.

Fixed Asset Accounting, Professional Tax Plan, Estate Tax Plan and Personal Tax Plan were developed by Aardvark Software, Inc.

Portfolio management (HP-85) An HP-85 software package that helps individual investors and professional investment advisors monitor their portfolios. Softkey and prompt driven commands make it easy to enter investments for net worth valuation and tax planning. A connection with the Dow Jones News/Retrieval® Service lets you automatically update the

current market value of your portfolio of stocks, bonds, warrants, T-bills and mutual funds. You can also handle cash, real estate, liabilities, and other investments in your portfolio. Handles up to 100 investment items, with an unlimited number of portfolios (35 portfolios stored on each data cartridge or disc.)

Dow Jones News/Retrieval is a registered trademark of Dow Jones and Company, Inc.

NEW TAJ™ (The Accounts Journal™) (HP-85) An HP-85 accounting package that fully integrates the journals needed in small business accounting; general ledger, accounts receivable, accounts payable, and payroll. TAJ can handle up to 400 general ledger accounts, 300 customers, 300 vendors and 50 employees. All journals are updated with one posting. Available on disc only.

TAJ and The Accounts Journal are trademarks of Production Data Systems.

Statistics/Mathematics

General statistics (HP-85/86/87) A flexible set of easy-to-use statistical routines for data evaluation. Single and paired sample analysis, test statistics, continuous and discrete distributions, and multiple linear regression are included.

Basic statistics & data manipulation (HP-85/86/87) Provides common database for statistics software pacs (excluding General Statistics above). Routines for data entry, editing, output, sorting, and transformation are included. Computes many basic statistics.

Regression analysis (HP-85/86/87) Find the relationship between a dependent variable and one or more independent variables. Polynomial and multiple linear regression (including four variable-selection procedures) routines are provided. A table of residuals is printed. Requires Basic Statistics & Data Manipulation pac (above) for data entry.

Statistical analysis multi pac (HP-85/86/87) Contains General Statistics, Basic Statistics & Data Manipulation and Regression Analysis packages at a bundled discount price.

Linear programming (HP-85/86/87) Solves a wide variety of optimization problems using a modified simplex method that incorporates variable bounds. Applications include chemical blending, production scheduling, profit optimization, and lots more.

Math (HP-85/86/87) Provides quick access to commonly employed mathematical routines used in calculus, numerical analysis, linear systems, geometry, and more. Full descriptions, plus relevant equations, examples, and other helpful data.

Engineering

AC circuit analysis (HP-85/86/87) Model your circuit and examine its AC performance quickly and accurately. Determine steady-state AC behavior of electrical networks including resistors, capacitors, inductors, voltage-controlled and independent current sources.

Waveform analysis (HP-85/86/87) Performs fast Fourier transforms on either frequency or time domain data. Computes correlation function and power spectrum, plus Fourier series co-efficients. Double data block entry for cross-correlation, power spectrum and for convolution. Plot or print output.

Electronics engineering multi pac (HP-85/86/87) Contains AC Circuit Analysis, Waveform Analysis and Math packages at a bundled discount price.

Surveying (HP-85/86/87) Contains group of programs to aid surveyors in many of their most often encountered computations. Fast, easy calculations and maintenance of coordinate points for easy recall.

General/Utility

BASIC Training (HP-85/86/87) Self-teaching BASIC language course for novice users. Proceed at your own pace. Pre-recorded media provides guide to operation and programming. Prepares users for more advanced operations.

NEW UCSD p-System®/PASCAL (HP-86/87) This product is a complete software development system supporting UCSD Pascal®. The UCSD p-System offers the user an integrated operating system including the PASCAL compiler, assembler, editor, linker, and file handler. This system will allow the user to develop highly portable applications software, as well as take advantage of the growing library of third-party software developed for the p-System.

NEW FORTRAN-77 (HP-86/87) This is offered as an add-on FORTRAN-77 compiler module for the user who already employs the UCSD p-System/PASCAL software development system. (NOTE: FORTRAN-77 is not a standalone product).

NEW UCSD p-System®/FORTRAN-77 (HP-86/87) This product is a complete software development system supporting FORTRAN-77. The p-System offers the user an integrated operating system including the FORTRAN compiler, and assembler, editor, linker, and file handler. This system will allow the user to develop highly portable applications software as well as take advantage of the growing library of third party software developed for the p-System.



UCSD PASCAL® (HP-86/87) This is offered as an add-on PASCAL compiler module for the user who already employs the UCSD p-System/FORTRAN-77 software development system. (NOTE: UCSD PASCAL is not a standalone product.)



UCSD p-System® Runtime Module (HP-86/87) This enables you to execute software developed under the UCSD p-System. This does not, however, support the program development facilities of the p-System such as editing, filling, debugging, linking, compiling, etc.

Standard Pac (HP-85) Replacement data cartridge with the standard programs and utilities. One Standard Pac is provided with each HP-85 Personal Computer.

Games (HP-85) Provides an entertaining way to become familiar with the keyboard

and operation of the HP-85 Personal Computers.

Games II (HP-85) Graphic, arcade-type games to provide both entertainment and familiarization with the keyboard and general operation of the HP-85 Personal Computers.

Data Communications

Data Communications (HP-85/86/87) Turn your Series 80 Computer into an intelligent remote terminal that will communicate with other asynchronous computers and terminals. Transmission rates range from 50 to 9600 baud. You can transfer data files to a remote device (uploading) or from a remote device to your HP Series 80 Computer (downloading). Print reports, store and retrieve data, and use other Series 80 peripherals while you are on line.

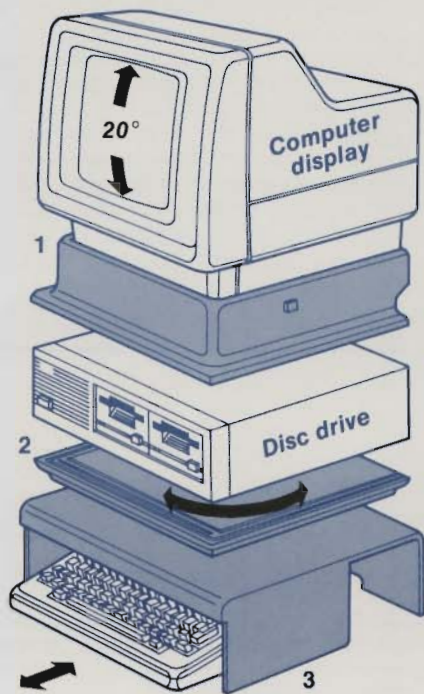
Series 80 Software Catalog. This is a handy reference guide to a growing list of programming solutions available for Hewlett-Packard Series 80 Personal Computers. It includes summaries of HP-developed and HP-PLUS application packages as well as inexpensive contributed programs. Whether you want inexpensive programs to solve specific computing problems or a total software solution, the Series 80 Software Catalog is your guide to the right software to meet your needs.
Order pub. no. 5953-7804

Documentation

HP-85 Owners Manual (english)	00085-90002	HP-83/85 Matrix ROM Pocket Guide (italian)	00085-90360	HP-87 Plotter ROM Owners Manual	00087-90109
HP-85 Owners Manual (spanish)	00085-90008	82936A ROM Drawer Instr Sheet (english)	00085-90419	HP-87 Graphics Pocket Guide	00087-90120
HP-85 Owners Manual (french)	00085-90014	82903A 16K Memory Module Instr Sheet (english)	00085-90420	Series 80 I/O ROM Pocket Guide (english)	00087-90122
HP-85 Owners Manual (german)	00085-90020	82936A ROM Drawer Instr Sheet (spanish)	00085-90433	HP-87 Assembler ROM Owners Manual (english)	00087-90140
HP-85 Owners Manual (italian)	00085-90026	82936A ROM Drawer Instr Sheet (french)	00085-90434	HP-87 Assembler ROM Pocket Guide (english)	00087-90141
HP-85 Owners Manual (japanese)	00085-90032	82903A ROM Drawer Instr Sheet (german)	00085-90435	HP-86/87 Pocket Guide (swedish)	00087-90142
HP-85 Pocket Guide (english)	00085-90040	82936A ROM Drawer Instr Sheet (italian)	00085-90436	Introduction to the HP-87 (french)	00087-90144
HP-85 Pocket Guide (spanish)	00085-90042	82903A 16K Memory Module Instr Sheet (spanish)	00085-90438	Introduction to the HP-87 (dutch)	00087-90145
HP-85 Pocket Guide (french)	00085-90044	82903A Memory Module Instr Sheet (french)	00085-90439	Series 80 Software Catalog	5953-7804
HP-85 Pocket Guide (german)	00085-90046	82903A 16K Memory Module Instr Sheet (german)	00085-90440	82912A (9") & 82913A (12") Monitor Instr Sheet (english)	5957-3331
HP-85 Pocket Guide (italian)	00085-90048	82903A 16K Memory Module Instr Sheet (italian)	00085-90441	82912A/82913A Monitors Service Manual	5957-3338
HP-85 Pocket Guide (japanese)	00085-90050	HP-83/85 Assembler ROM Owners Manual (english)	00085-90444	CP/M System Ref Manual (english)	82900-90001
HP-83/85 Pocket Guide (english)	00085-90139	HP-83/85 Assembler ROM Pocket Guide (english)	00085-90445	82900A CPM Module Service Manual	82900-90002
HP-83/85 I/O ROM Owners Manual (english)	00085-90142	HP-83/85 Mass Storage ROM Owners Manual (english)	00085-90447	Introduction to the CP/M System (english)	82900-90007
HP-83/85 I/O ROM Pocket Guide (english)	00085-90143	HP-83/85 ROM Stockage de Masse (german)	00085-90506	CP/M System Pocket Guide (english)	82900-90008
HP-83/85 Matrix ROM Owners Manual (english)	00085-90144	HP-83/85 Mass Storage ROM Owners Manual (german)	00085-90507	82928A System Monitor Service Manual	82928-90002
HP-83/85 Matrix ROM Pocket Guide (english)	00085-90145	HP-83/85 Plotter/Printer ROM Owners Manual (english)	00085-90519	82929A E-PROM Board Service Manual	82929-90002
HP-83/85 Advanced Prgmng ROM Owners Manual (english)	00085-90146	HP-83/85 Plotter/Printer ROM Pocket Guide (english)	00085-90520	Instr Sheet HP-IB Interface (spanish)	82937-90002
HP-83/85 Advanced Prgmng ROM Pocket Guide (english)	00085-90147	HP-83/85 Plotter/Printer ROM Pocket Guide (french)	00085-90526	Instr Sheet HP-IB Interface (french)	82937-90003
HP-83/85 Owners Manual (spanish)	00085-90217	HP-83/85 Plotter/Printer ROM Pocket Guide (german)	00085-90224	Instr Sheet HP-IB Interface (german)	82937-90004
HP-83/85 Owners Manual (french)	00085-90218	HP-83/85 Plotter/Printer ROM Pocket Guide (italian)	00085-90226	Instr Sheet HP-IB Interface (italian)	82937-90006
HP-83/85 Plotter/Printer ROM Owners Manual (german)	00085-90219	HP-83/85 Owners Manual (spanish)	00085-90227	82937A HP-IB Interface Service Manual	82937-90013
HP-83/85 Owners Manual (italian)	00085-90221	HP-83/85 Owners Manual (italian)	00085-90231	HP-IB Interface Owners Manual (english)	82937-90017
HP-83/85 Pocket Guide (spanish)	00085-90222	HP-83/85 Mass Storage ROM Owners Manual (french)	00085-90232	Owners Manual For HP-IL 82938A Interface (english)	82938-90001
HP-83/85 Plotter/Printer ROM Pocket Guide (french)	00085-90223	HP-83/85 Mass Storage ROM Owners Manual (german)	00085-90233	82938A HP-IL Interface Service Manual	82938-90002
HP-83/85 Plotter/Printer ROM Pocket Guide (german)	00085-90224	HP-83/85 Mass Storage ROM Owners Manual (spanish)	00085-90234	82939A Serial Interface Service Manual	82939-90008
HP-83/85 Plotter/Printer ROM Pocket Guide (italian)	00085-90226	HP-83/85 Mass Storage ROM Owners Manual (italian)	00085-90235	Serial Interface Installation Manual (english)	82939-90012
HP-83/85 Owners Manual (spanish)	00085-90227	HP-83/85 Pocket Guide (spanish)	00085-90236	Manual GPIO Instr & Theory (english)	82940-90001
HP-83/85 Owners Manual (italian)	00085-90231	HP-83/85 Mass Storage ROM Owners Manual (french)	00085-90238	82940A GPIO Interface Service Manual	82940-90007
HP-83/85 Pocket Guide (spanish)	00085-90232	HP-83/85 Matrix ROM Owners Manual (german)	00085-90239	82940A GPIO Interface Owners Manual (english)	82940-90011
HP-83/85 Mass Storage ROM Pocket Guide (french)	00085-90233	HP-83/85 Matrix ROM Owners Manual (french)	00085-90243	82941A BCD Interface Service Manual	82941-90007
HP-83/85 Mass Storage ROM Pocket Guide (german)	00085-90234	HP-83/85 Matrix ROM Owners Manual (italian)	00085-90244	BCD Interface Owners Manual (english)	82941-90011
HP-83/85 Pocket Guide (italian)	00085-90236	HP-83/85 Matrix ROM Owners Manual (spanish)	00085-90245	Printer Interface Installation & Oper Manual	82949-90001
HP-83/85 Matrix ROM Owners Manual (french)	00085-90238	HP-83/85 Matrix ROM Owners Manual (german)	00085-90246	82949A Parallel Printer Interface Service Manual	82949-90002
HP-83/85 Matrix ROM Owners Manual (german)	00085-90239	HP-83/85 Matrix ROM Owners Manual (italian)	00085-90247	82950A Modem Owners Manual (english)	82950-90001
HP-83/85 Matrix ROM Pocket Guide (french)	00085-90243	HP-83/85 Matrix ROM Owners Manual (japanese)	00085-90250	80 Series File Manager Package	88103-90000
HP-83/85 Matrix ROM Pocket Guide (german)	00085-90244	HP-83/85 Matrix ROM Owners Manual (italian)	00085-90359		

Series 100/200

Accessories: HP 120 (also HP 200 model 16 compatible)



1. Tilt unit, 2. Swivel unit, and 3. keyboard park for Series 100 & 200 personal computers.

Ergonomic tilt/swivel convenience for your personal computers

Two extremely useful accessories for your HP-120 (Series 100) or Model 16 (Series 200) personal computer make it easy for you to position the display (and, indeed, the entire equipment stack) for the most comfortable, glare-free viewing angle. Means you get increased working comfort and personal productivity, thanks to reduced eye strain, back and neck fatigue.

NEW 92171V Display tilt unit. Holds and allows the computer display to be adjusted to exactly the vertical angle desired, over a total 20-degree range (up or down 10 degrees from horizontal), with pushbutton ease.

NEW 92171W Swivel unit. Normally placed under the HP 9121 disc drive, so that the entire equipment stack (disc drive, tilt unit, display) can be adjusted right or left, as desired. (Can also fit directly under 92171V tilt unit, but not recommended when disc drive is short-cabled to display.)

Keyboard park saves desk space

Move your personal computer or office terminal keyboard out of your way when you're not using it. You not only open up extra work space on your desk, you also protect the keyboard from accidental spills or other damage.

NEW 92171K Keyboard park. Put it under your HP 120 (Series 100) or Model 16 (Series 200) personal computer equip-



Use these convenience accessories to: (1) tilt display up/down and (2) swivel equipment right/left for easiest use, and (3) park keyboard out of the way when not in use.



92171K Keyboard park

ment stack. For keyboards not longer than 335mm (13.2 inches). Backwall slot carries keyboard cord to rear, for neater appearance. Made of sturdy, smoked acrylic plastic.



92171R Palm rest

NEW 92171R Palm rest for Series 100/HP120 extended keyboards. Now get the support for data entry you need. This palm rest offers proper wrist support and helps maintain good forearm angle with the keyboard, helping to eliminate fatigue and improve productivity. The palm rest snaps easily into place and is a handsome edition to any extended keyboard. Color is cocoa brown.



13269P and 13269T carrying cases

NEW 13269P Carrying case. Take your compact HP computer along in this rugged, soft vinyl case with handy shoulder strap. Fits HP-120 (Series 100) and Model 16 (Series 200). Internal pocket in lid holds a short or extended keyboard securely during transit, and space is provided for cables and supplies. If your computer has a short keyboard (335 mm or 13.2 inches long, or less), there is enough room to also carry the HP 9121 micro disc drive in the same case. If your computer has a longer (extended) keyboard, use separate carrying case 13269T to carry your disc drive. (NOTE: This is a quality case, well padded to protect your computer, but it is NOT intended for shipment or as checked airline baggage.)

NEW 13269T HP 9121 Carrying case. See page 20.

NEW 92250A HP 120 and HP Model 16 dust cover. This protective cloth cover keeps dust, dirt, and food away from the vital internal components of your personal computer. Designed of durable, dark tan cloth, to give a professional look in any workplace.

Accessories: HP 125

92250B HP 125 dust cover. Protect your valuable personal/office computer with this durable, dark tan cloth cover.

9282-0929 HP 125 business assistant binder. This three-ring binder is designed for HP 125 system manuals and other documentation.

Thermal paper. See page 24.

Software for HP-120 and HP-125 personal office computers

Software package name†	Product number	3½-inch disk (must also include an Option number below)	5¼-inch disc	8-inch disc
General Business	VisiCalc®	45531B ...	Opt. 630	Opt. 680
	Condor™ 20-1 HP+	45550A ...	Opt. 630	Opt. 680
	Condor™ Upgrade 20-1 to 20-2 HP+	45550K ...	Opt. 630	Opt. 680
	Condor™ 20-2 HP+	45550E ...	Opt. 630	Opt. 680
	☐ MILESTONE® HP+	45580A ...	Opt. 630	Opt. 680
	☐ DATEBOOK™ II HP+	45581A ...	Opt. 630	Opt. 680
	☐ PERSONAL DATEBOOK™ HP+	45582A ...	Opt. 630	Opt. 680
Word Processing/Graphics	Wordstar® HP+	45560A ...	Opt. 630	Opt. 680
	SpellStar™ HP+	45561A ...	Opt. 630	Opt. 680
	MailMerge™ HP+	45562A ...	Opt. 630	Opt. 680
	Word	45533B ...	Opt. 630	Opt. 680
	Graphics	45532B ...	Opt. 630	Opt. 680
Finance/Accounting	BPI general accounting HP+	45552A ...	Opt. 630	Opt. 680
General Utility	☐ BASIC	45535A ...	Opt. 630	Opt. 680
	Programming package	45536A ...	Opt. 630	Opt. 680
Data Communications	DSN/Link	45534B ...	Opt. 630	Opt. 680

† HP Series 100 software marked with the HP PLUS (HP+) is developed and supported by independent software companies. This software has been checked through customer references and by a Hewlett-Packard evaluation team for quality, ease of use and installation.
VisiCalc is a registered trademark of VisiCorp.

Condor is a trademark of Condor Computer Corporation.
MILESTONE is a registered trademark of Organic Software, Inc.
DATEBOOK and PERSONAL DATEBOOK are trademarks of Organic Software, Inc.
WordStar is a registered trademark of MicroPro International Corporation.

SpellStar and MailMerge are trademarks of MicroPro International Corporation.



Software: Series 100

General Business

VisiCalc® Provides a powerful capability to manipulate rows and columns of numerical data shown on the computer display. Each entry may contain a label, number, or a mathematical formula. Data entry is simplified by entering one number and a formula to calculate the remaining numbers in a row or column. A full range of commands are available to calculate totals, averages, net present values, trigonometric and math functions, and more.

"What if..." questions can be answered by easily changing assumptions and data in the worksheet. All numbers affected by the change are recalculated immediately and the new results are displayed. Any part of the worksheet (64 columns by 254 rows) can be viewed on the computer display by moving the cursor.

The worksheet can be sent to a printer or saved on disc for later use.

45531B**

VisiCalc is a registered trademark of VisiCorp.

Condor™ Series 20-1 and 20-2 Database System. A powerful and user-friendly data management system that allows you to manage your business instead of your data. This low-cost system allows you to set up a useful database quickly and easily. Save time by updating and entering new information into mail lists, client files and phone number lists. Pass database information to other HP Series 100 software, such as Series 100/Word or Series 100/Graphics. Series 100/VisiCalcR worksheets can be read into the database. Generate custom applications using help menus and English-

like commands. The entry level Series 100/Condor 20-1 (HP 45550A) provides database development and management; entry, update and posting; inquiry and report writing; and complete operations aids. Full relational features for processing multiple database files are provided with Series 100/Condor 20-2 (HP 45550E), or may be added to the entry level package with the Series 100/Condor Upgrade (HP 45550K).

45550A (20-1)**
45550E (20-2)**
45550K (Upgrade)**

MILESTONE®. A project management and time scheduling product that uses PERT/CPM techniques to increase productivity and management of small projects. It helps project leaders and small business owners clarify the tasks at hand and communicate schedules and priorities.

Stresses interactivity and comprehensive reporting. The list of associated activities provides a thread used to link all jobs together into an overall project schedule. Adding or changing activities will be recomputed into the schedule and the results are immediately displayed on the screen.

45580A**

DATEBOOK™ II. This program gives an individual or clerical staff a more efficient way to manage time than with an appointment book. It is useful where time management is critical to efficiency; in doctors' offices, legal firms, business executives, and other professional offices. Appointments can be scheduled, cancelled, modified, moved, or held until they

can be rescheduled. Openings can be searched by time of day, day of week, or day of year. Print the appointments for the day, display all scheduled appointments for any person, or schedule a conference at a convenient time for all attendees.

45581A**

PERSONAL DATEBOOK™ Offers many of the advantages of DATEBOOK II, but is designed for the individual who keeps a personal calendar. PERSONAL DATEBOOK can maintain appointments for up to 9 people; the group feature is not included. The overall capacity is the same as DATEBOOK II with a similar configuration, but PERSONAL DATEBOOK shows more of one person's schedule on the screen at one time.

45582A**

Finance/Accounting

BPI General Accounting. An easy to use double entry bookkeeping system which can produce timely financial reports to aid business decision making. All bookkeeping entries are made into one of six journals. After journal entries are completed, General Accounting automatically posts ledgers, prepares financial statements, and closes the books. Monthly, quarterly, and year to date payroll earnings records are kept for every employee.

45552A**

Software: Series 100 (cont.)

Word Processing/Graphics

WordStar®/100. An easy-to-use full-feature word processing system featuring screen-labeled function keys in addition to standard WordStar control sequences. The function keys guide the user step by step through the document preparation process. The screen shows exactly what will get printed—including all format variations like page breaks, justification and hyphenation. As soon as you type a change, it's on the screen.

Blocks and columns can be moved, copied or deleted. Each paragraph can have its own margins and tabs. Printer output can be set to the HP 2601, HP 2631B, HP 82905B, HP 2671A, HP 125 Internal Printer or a variety of other non-HP printers.

45560A**

SpellStar™/100. A spelling checker program that works with WordStar/100 to find spelling and typing errors in your document. Your document is compared with a dictionary of approximately 20,000 words and unmatching words are flagged. You have the choice of changing the word, leaving the word alone, or leaving the word alone and adding it to the dictionary. You can even create your own dictionaries of specialized words or names.

45561A**

SpellStar is a trademark of MicroPro International Corporation.

MailMerge™/100. A powerful multi-purpose file merging program that works with WordStar/100 to produce form letters, mailing labels, and boilerplate documents. You can combine form letters with a list of names and addresses or you can combine standard paragraphs to form a customized legal document.

45562A**

Word. A full-feature word processor program designed for use by office person-

nel. The computer display screen shows the portion of text being edited. A variety of commands execute corrections, insertions, and move blocks of text on the screen. Finished text can be reviewed before printing. Series 100/Word uses screen-labeled function keys to provide a wide variety of powerful commands. The labeled keys guide the operator step by step through the entire document preparation process. Series 100/Word also maintains and sorts mailing lists. Mailing lists can be merged with form documents to create "customized" letters.

Required: 2601A, or 2631B, or 2671A, or 82905B Printer and cables or HP 125 Internal Thermal Printer.

45533B**

Graphics. Easy-to-use software provides sophisticated local graphics capabilities. No programming knowledge is required to use this software. Professional-quality multicolor graphs and charts are created easily after filling in a menu on the computer display. Numerical data is transformed into pie charts, bar charts, linear and logarithmic graphs. Graphics are produced on standard paper or overhead transparencies for group presentations.

Required: 7225B w/17601A Interface, 9872C or 7470A plotter and cable.

45532B**

General/Utility

BASIC. The Series 100/BASIC interpreter provides one of the most extensive implementations of BASIC available on a microcomputer. Features and performance are provided that are found in languages operating on large minicomputers. Series/100 BASIC meets the requirements for the ANSI subset standard for BASIC, and it offers many advanced features such as PRINT USING, IF/THEN/ELSE, and ON ERROR GO TO.

45535A**

Programming Package. The Programming Package is designed for the programmer writing at the microcode level for the CP/M® Operating System. Utility programs supplied include an assembler, loader, and debugger for 8080 and Z-80 microcode. Also included is a full reference manual describing the functions of the HP Series 100 system and how to programmatically access the feature set.

45536A**

CP/M is a registered trademark of Digital Research, Inc.

Data Communications

DSN/Link. An easy-to-use communications program that transfers data files between HP Series 100 and HP 3000 computers. This software turns the HP Series 100 Personal Office Computer into a distributed processor. Remote files can be accessed, transferred to the HP Series 100, and processed locally. Results can be stored locally, output to printer, and transferred back to the HP 3000. Series 100/DSN/Link also provides pushbutton execution of predefined QUERY/3000 procedures with inquiry results reported back to the HP Series 100 screen or local files. Bidirectional file transfers are supported via hardwired or remote connections.

45534B**

**Order option 630 for software loaded on 3 1/2 inch flexible disc, option 650 for 5 1/4 inch flexible disc, or option 660 for 8 inch disc.

Series 100 Software Updates

Low-cost updates are available for HP Series 100 software. Each update consists of a new flexible disc loaded with the latest revision of the software and a complete list of documentation changes.

Watch for announcements from your local dealer or Hewlett-Packard about the latest revision and how to order.

Documentation: Series 100

HP125 Owners Manual	45500-90000	HP125 Service Ref Card (5-Pack)	45000-90107	WORD/125 Documentation Update Kit	45533-60001
HP125 Owners Manual (french)	45500-90003	HP125 Utilities Manual (spanish)	45500-90109	WORD/125 Quick Ref Kit	45533-60002
HP125 Owners Manual (german)	45500-90004	VISICALC/125 Quick Ref Card (spanish)	45531-90009	Link/125 Ref Manual (Update Only)	45534-99001
HP125 Owners Manual (spanish)	45000-90006	VISICALC/125 Ref Manual (Update Only)	45531-99001	BASIC/125 Ref Manual (Update Only)	45535-99001
Getting Started with HP125	45500-90010	GRAPHICS/125 Quick Ref Card (spanish)	45532-90009	HP125 System Ref Manual	45536-90000
Getting Started with HP125 (french)	45500-90013	GRAPHICS/125 Ref Manual (Update Only)	45532-99001	Series 100 Owners Manual Set	5061-3211
Getting Started with HP125 (german)	45500-90014			HP125B Installation Manual Kit	5061-3212
Getting Started with HP125 (spanish)	45500-90016			HP120A Installation Manual Kit	5061-3213
45500A Service Manual	45500-90100				
HP125 Utilities Manual	45500-90105				

Documentation: Series 200

9816 Installation Manual	09816-90000	HPL Quick Ref	09826-90045	PASCAL 2.0 Manual Kit	98615-87901
Getting Started with BASIC (Supplement to 09826-90010)	09816-90010	BASIC 2.0 Condensed Ref Manual	09826-90050	PASCAL 2.0 Users Manual	98615-90020
9816 Service Manual	09816-90030	BASIC 2.0 Language Ref (with BASIC 2.0 Extension)	09826-90056	98810A VisiCalc Manual	98810-11111
9816 CE Handbook Section	09816-90039	PASCAL Language System Users Manual	09826-90070	98815A Graphics Presentations Manual	98815-12111
BASIC 2.0 Manual Kit	09826-87902	PASCAL Language Ref Manual	09826-90071	98817A Project Management Manual	98817-12111
HPL Manual Kit	09826-87903	MC68000 Users Manual	09826-90073	98818A Forecasting Manual	98818-12111
PASCAL Manual Kit	09826-87904	PASCAL 2.0 System Designers Guide	09826-90074	98820A Statistical Library Manual	98820-13111
SRM Manual Kit	09826-87905	PASCAL Procedure Library Users Manual	09826-90075	98821A Numerical Analysis Manual	98821-13111
BASIC 2.0 Prgmng Techniques Manual (with BASIC 2.0 Extension)	09826-90011	Shared Resource Prgmng for the 9826/9836 Computers Manual (for the 200 Series Computers)	09826-90083	98825A AC Circuit Analysis Manual	98825-14111
BASIC 2.0 Interfacing Techniques Manual (with BASIC 2.0 Extension)	09826-90025			98826A Linear Systems Analysis Manual	98826-14111
HPL Oper Manual	09826-90040			98827A Waveform Analysis Manual	98827-14111
				98828A Digital Filter Design Manual	98828-14111

Software for Series 200: Model 16 personal technical computer

	Software package name	Product number	For Model 16	For Model 16	Required for operation
			3 1/2-inch disc	5 1/4-inch disc	
(must also include an Option number below)					
General Business	Context MBA™	97038JA . .	Opt. 630	Opt. 650	512K, Dual drive
	VisiCalc*	98810A . . .	Opt. 630	Opt. 650	256K
	Project management	98817A . . .	Opt. 630	Opt. 650	256K, B2.0
	Forecasting	98818A . . .	Opt. 630	Opt. 650	256K, B2.0
Graphics	Graphics presentations	98815A . . .	Opt. 630	Opt. 650	256K, B2.0 plotter
Statistics/Mathematics	Statistics library, part I	98820B . . .	Opt. 630	Opt. 650	256K, B2.0
	Statistics library, part II	98820C . . .	Opt. 630	Opt. 650	256K, B2.0
	Statistics library, complete	98820A . . .	Opt. 630	Opt. 650	256K, B2.0
	Numerical analysis library	98821A . . .	Opt. 630	Opt. 650	256K, B2.0
Engineering	AC circuit analysis	98825A . . .	Opt. 630	Opt. 650	256K, B2.0
	Waveform analysis	98827A . . .	Opt. 630	Opt. 650	305K, B2.0, HP-IB printer
	Linear systems analysis	98826A . . .	Opt. 630	Opt. 650	256K, B2.0
	Digital filter design	98828A . . .	Opt. 630	Opt. 650	256K, B2.0

Software: Series 200

General Business

Context MBA™ This system brings together 5 major management functions—a powerful electronic spreadsheet, word processing, graphics, and database—into one totally integrated package (telecommunications will follow in release two). The integration of the MBA program offers convenience and ease of use over separate management packages available on the market today. All functions are contained in the same program so that the user does not have to switch between programs or manually pass files back and forth. In addition, the user does not have to learn and remember separate command structures for each program. Context MBA is provided by Context management Systems through Hewlett-Packard's third party software program, HP plus. Not available on Model 26. Required: 512K (no language required)*
97038JA**

VisiCalc* Provides a powerful "electronic worksheet" which allows for easy manipulation of numerical data, text and mathematical expressions. "What if . . ." questions can be answered by changing data and assumptions in the worksheet. Any information affected by a change will be automatically updated. Required: 256K, (no language required)*
98810A**

Project Management. Analyzes project networks using CPM, PERT, and MPM techniques. The output is in GANTT chart form. Required: 256K, B2.0*
98817A**

Forecasting. Allows time-series data to be analyzed, smoothed, forecast and plotted using a variety of statistical techniques. Required: 256K, B2.0*
98818A**

Graphics

Graphics Presentations. Produces bar charts, line charts and pie charts. Featuring 4 character fonts, the pack can also create 7 color overhead slides. This information can be transferred to paper or acetate transparencies. Required: 256K, B2.0, plotter
98815A**

Statistics/mathematics

Statistics Library Part I. Designed as a basic library of general statistics, Part I consists of Basic Statistics and Data Manipulation, General Statistics, Statistical Graphics, and Regression Analysis. A total of 5 discs. Required: 256K, B2.0*
98820B**

Statistics Library Part II. Designed as an advanced statistical analysis library, Part II consists of Monte Carlo Simulation Utilities and Routines, Analysis of Variance, and Principal Components and Factor Analysis. It is necessary to have Part I for Part II to run. Part II contains 5 discs. Required: 256K, B2.0*
98820C**

Statistics Library. A complete library consisting of parts I and II. Contains Basic Statistics and Data Manipulation, General Statistics, Statistical Graphics, Regression Analysis, Monte Carlo Simulation, Analysis of Variance, Principal Components and Factor Analysis routines. Required: 256K, B2.0*
98820A**

Numerical Analysis Library. Contains seven main sections: Rootfinders, numerical integration, ODE solvers, Eigen analysis, interpolation, general functions and Fourier analysis. Required: 256K, B2.0*
98821A**

Engineering

AC Circuit Analysis. Calculates the frequency response of linear circuits. Magnitude, phase, time and impedance plots are available. These plots can include the effects of component tolerances. Required: 256K, B2.0*
98825A**

Waveform Analysis. Provides discrete mathematical representation of data via Fourier transforms and associated algorithms such as convolution and correlation. Outputs may be displayed, printed or plotted. Required: 305K, B2.0*
98827A**

Linear Systems Analysis. Provides "classical" tools needed for analyzing single-input/single-output linear systems. The following analysis plots are available: Root Locus, Nyquist, Step Response, Impulse Response and Bode. Linear systems can be in the form of a control system block diagram or a simple transfer function in Laplace (S) notation. Required: 256K, B2.0, HP-IB printer*
98826A**

Digital Filter Design. Provides the tools necessary for designing digital filters. Includes routines for designing both Infinite Impulse Response (IIR) and Finite Impulse Response (FIR) digital filters. Also included are routines for transforming analog filter functions, H(s), to digital transfer functions, H(z). Once the program has computed the filter coefficients, both magnitude and phase plots are available to measure the actual performance of these filters. Required: 256K, B2.0*
98828A**

*Minimum configuration information is shown after "Required"

The following abbreviations apply:
256K, 305K Kbytes of user read/write memory
B2.0 BASIC 2.0 Language System

**One of the following no cost options must be ordered to specify the HP Series 200 computer model and disc size:
Opt. 630 Model 16, 3 1/2 inch flexible disc
Opt. 650 Model 16, 5 1/4 inch flexible disc
Opt. 655 Model 26 or 36, 5 1/4 inch flexible disc

NEW Technical Computer Software
Catalog Set. 5957-4315

Flexible disc drives

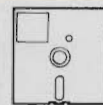
Flexible discs



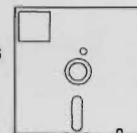
92191A 3.5 inch micro flexible discs

NEW **92191A** Box of ten 3.5 inch single sided micro flexible discs (unformatted). .25Mb storage capacity per disc. Includes write-protect and color-coded flexible disc labels. For use with HP 9121 disc drives.

92190A Box of ten 5.25 inch double sided flexible discs (unformatted) in protected envelopes. .25Mb storage capacity per disc. Includes write-protect, jacket and storage box labels. For use with HP 82900 series and HP 9130 disc drives.



92195A Box of ten 8 inch double sided flexible discs (unformatted) in protective envelopes. 1.2Mb storage capacity per disc. Includes write-protect, jacket and storage box labels. For use with HP 9895 disc drives.



Accessories



13269T Carrying case

NEW **13269T** Disc drive case. Padded, soft vinyl case sized to carry the HP 9121 micro disc drive and related cables, as well as a few manuals or other flat paperwork. (NOTE: Can also be used to instead carry the HP 92171V and 92171W tilt and swivel accessories.)

Desktop file for flexible discs. Designed to provide protection, organization and easy retrieval of invaluable data and programs. This attractive, durable, smoke-colored acrylic file holds up to 60 discs. Aiding the organization and retrieval of discs are five index dividers with adjustable tabs.



92194A Desktop file

92194A Desktop file for 5.25 in. flexible discs.

92194B Desktop file for 8 in. flexible discs.



92194G/H Portable album file

Portable album file for flexible discs. Fragile diskettes will be protected, organized and easily accessed because of several unique features of this filing system. Crimped pockets cushion each disc, preventing wrinkles or bends. The floating axle design eliminates additional stress if the binder is dropped or closed. Discs are kept secure with a snap lock-vinyl cover. Easy and fast access and re-filing are aided by color coded index stripes for each pocket. File organization is further enhanced with an index on the spine of the album for listing discs. Capacity—20 discs.

92191F Portable album file for 3.5 in. discs.

92194G Portable album file for 5.25 in. discs.

92194H Portable album file for 8 in. discs.

Accessories (cont.)



Flexible disc mailers. These mailers provide a stress-free journey for up to five discs mailed in envelopes or carried in a briefcase. The heavy duty vinyl construction gives a clean, sturdy and reusable technique for distributing programs and data on flexible discs. The velcro fastener is secure, eliminating any pressure on the discs during opening and closing.

92194R Box of five mailers for 5.25 inch flexible discs. Each mailer holds up to five discs.

92194S Box of five mailers for 8 inch flexible discs. Each mailer holds up to five discs.

92194R/S Flexible disc mailer

Cleaning kits.

Take care of your equipment with the HP family of cleaning kits. Our new kits fill the maintenance needs demanded by regular operation. You can improve equipment performance by reducing contamination and static.

1. Flexible disc drive head cleaning kits. HP recommends preventive cleaning of HP flexible disc drive heads when there is suspicion of contamination, after an incidence of media damage or when read errors are occurring at a higher than normal rate. HP's convenient cleaning kits provide you:

- two-cleaning discs
- one-4 ounce bottle of cleaning solution
- one-easy-pour dispensing cap
- Instructions for running cleaning programs for various system/drive configurations.

92193A Head cleaning kits for 5.25 inch flexible disc drives.

92193B Head cleaning kit for 8 inch flexible disc drives.

NEW 2. 92193C Print wheel clean kit. Includes the cleaner box, a single element pad, an interchangeable wheel holder and a 4-oz. bottle of cleaning solution. Each pad can be used for approximately 20 cleanings and is then easily replaced. (For 2601A printwheels only).

3. 92193H Magnetic head clean kit. Prolong tape head life and minimize read/write errors by periodically inspecting your mag tape visually and by using this kit regularly. Regular use reduces dust and oxide buildup. Contains two

4-oz. bottles of cleaning solution, 50 lint-free wipes, 10 plastic swabs with urethane foam tips and one easy-pour dispensing cap.

4. 92193M Master clean kit. This kit contains all the components necessary for cleaning mag tape and disc drive heads, capstans and guides, terminal screens, printers and all equipment sur-

faces. Included are one 4-oz. bottle of mag head cleaning solution, one 4-oz. bottle of anti-static solution, one 4-oz. bottle of screen cleaning solution, 10 plastic swabs with soft urethane foam tips, 1 font brush, 16 screen-clean wipes, 50 lint-free wipes, 2 pump spray tops and instructions.



Documentation

Model 82901

Flexible Disc Drive Oper Manual (english)	82901-90001
Flexible Disc Drive Oper Manual (french)	82901-90008
Flexible Disc Drive Oper Manual (german)	82901-90009
82901/02 MS Flexible Disc Service Manual	82901-90031

Model 9121

9121 D/S Oper Manual (english)	09121-90000
9121 D/S Oper Manual (german)	09121-90006
9121 D/S Oper Manual (french)	09121-90007
9121 D/S Oper Manual (spanish)	09121-90008
9121 D/S Oper Manual (italian)	09121-90009

Model 9130

Shipping Info Card	09130-90011
9130K Flexible Disc Drive Service Documentation Manual	09130-90030

Model 9895

9895A Installation & Oper Instr Manual for Disc Memory	09895-90000
Disc Care Guide	09895-90010
9895A Flex Disc Service Manual	09895-90030
9895A Accessory Installation Manual	09895-90035

Printers

Impact printers

HP 2601A daisywheel printer

Paper widths accepted: 2.2 in. (56mm) minimum; 15.2 in. (387mm) maximum.

92193C Print wheel clean kit. See photo page 21.

92177E Sound enclosure. Reduce unwanted noise in your office or work area up to 30%! This sound enclosure is specifically designed to quiet the HP 2601A Printer. The construction of the cabinet allows outside access to the platen knob and front control panel of the printer. A slot in the rear panel allows use of continuous forms. The top is an easy-to-open acrylic shield which holds in any posi-



tion. A whisper-quiet fan with on-off switch keeps your printer running cool. An electrical plug on the rear of the enclosure is an added safety feature. It allows you to plug in your printer and turn it on or off by using the fan switch. This helps ensure that the fan will be on when the printer is operating, preventing heat buildup in the enclosure. Shipped assembled and ready to install. Color is gray sides, dark gray top and back. Size is 25 5/8 W x 22 1/2 D x 14 1/2 H in. (653 x 572 x 368 mm). Electrical Requirement 110 VAC, 60 Hz.

HP2601A Inside 92177E sound enclosure

Plastic Print Wheels—96 Character

Pica 10 Part number 92252A

ABCDEFGHIJKLMN O PQRSTU VWXYZ abcdefghijklmnopqrstuvwxy
0123456789 ~c,.,;+-\$#%{ } [] () > = < ^ ' ~ ? ! @ * / \ & " _

Courier 10 Part number 92252B

ABCDEFGHIJKLMN O PQRSTU VWXYZ abcdefghijklmnopqrstuvwxy
0123456789 ~E,.,;+-\$#%{ } [] () > = < ^ ' ~ ? ! @ * / \ & " _

Manifold 10 Part number 92252C

ABCDEFGHIJKLMN O PQRSTU VWXYZ abcdefghijklmnopqrstuvwxy
0123456789 ~c,.,;+-\$#%{ } [] () > = < ^ ' ~ ? ! @ * / \ & " _

APL-10 Part number 92252D

abcdefghijklmnopqrstuvwxyz ABCDEFGHIJKLMNOPQRSTUVWXYZ
0123456789 ~.,.,;+-\$#%{ } [] () > = < ^ ' ~ ? ! @ * / \ & " _

OCR-A 10 Part number 92252E

ABCDEFGHIJKLMN O PQRSTU VWXYZ abcdefghijklmnopqrstuvwxy
0123456789 ~c,.,;+-\$#%{ } [] () > = < ^ ' ~ ? ! @ * / \ & " _

OCR-B 10 Part number 92252F

ABCDEFGHIJKLMN O PQRSTU VWXYZ abcdefghijklmnopqrstuvwxy
0123456789 ~c,.,;+-\$#%{ } [] () > = < ^ ' ~ ? ! @ * / \ & " _

Courier Legal 10A Part number 92252G

ABCDEFGHIJKLMN O PQRSTU VWXYZ abcdefghijklmnopqrstuvwxy
0123456789 ~c,.,;+-\$#%{ } [] () > = < ^ ' ~ ? ! @ * / \ & " _

Elite 12 Part number 92252H

ABCDEFGHIJKLMN O PQRSTU VWXYZ abcdefghijklmnopqrstuvwxy
0123456789 ~c,.,;+-\$#%{ } [] () > = < ^ ' ~ ? ! @ * / \ & " _

Prestige Elite Legal 12A Part number 92252J

ABCDEFGHIJKLMN O PQRSTU VWXYZ abcdefghijklmnopqrstuvwxy
0123456789 ~c,.,;+-\$#%{ } [] () > = < ^ ' ~ ? ! @ * / \ & " _

Courier 72 Part number 92252K

ABCDEFGHIJKLMN O PQRSTU VWXYZ abcdefghijklmnopqrstuvwxy
0123456789 ~c,.,;+-\$#%{ } [] () > = < ^ ' ~ ? ! @ * / \ & " _

General Scientific Part number 92252L

ABCDEFGHIJKLMN O PQRSTU VWXYZ abcdefghijklmnopqrstuvwxy
0123456789 ~c,.,;+-\$#%{ } [] () > = < ^ ' ~ ? ! @ * / \ & " _

German Pica 10A Part number 92252P

ABCDEFGHIJKLMN O PQRSTU VWXYZ abcdefghijklmnopqrstuvwxy
0123456789 ~c,.,;+-\$#%{ } [] () > = < ^ ' ~ ? ! @ * / \ & " _

German Courier 10 Part number 92252U

ABCDEFGHIJKLMN O PQRSTU VWXYZ abcdefghijklmnopqrstuvwxy
0123456789 ~c,.,;+-\$#%{ } [] () > = < ^ ' ~ ? ! @ * / \ & " _

German Elite 12 Part number 92252V

ABCDEFGHIJKLMN O PQRSTU VWXYZ abcdefghijklmnopqrstuvwxy
0123456789 ~c,.,;+-\$#%{ } [] () > = < ^ ' ~ ? ! @ * / \ & " _

French Pica 10 Part number 92252Q

ABCDEFGHIJKLMN O PQRSTU VWXYZ abcdefghijklmnopqrstuvwxy
0123456789 ~c,.,;+-\$#%{ } [] () > = < ^ ' ~ ? ! @ * / \ & " _

French Prestige Cubic 10 Part number 92252W

ABCDEFGHIJKLMN O PQRSTU VWXYZ abcdefghijklmnopqrstuvwxy
0123456789 ~c,.,;+-\$#%{ } [] () > = < ^ ' ~ ? ! @ * / \ & " _

U.K. Courier 10 Part number 92252X

ABCDEFGHIJKLMN O PQRSTU VWXYZ abcdefghijklmnopqrstuvwxy
0123456789 ~c,.,;+-\$#%{ } [] () > = < ^ ' ~ ? ! @ * / \ & " _

Kana Gothic Elite 12 Part number 92252T

ABCDEFGHIJKLMN O PQRSTU VWXYZ abcdefghijklmnopqrstuvwxy
0123456789 ~c,.,;+-\$#%{ } [] () > = < ^ ' ~ ? ! @ * / \ & " _

Note: Some special characters and symbols may not correspond with USASCII keyboards. Plastic print wheels sold in boxes of 6.

Metalized Print Wheels—88 Character

Titan 10 Part number 92153A

ABCDEFGHIJKLMN O PQRSTU VWXYZ abcdefghijklmnopqrstuvwxy
0123456789 ~c,.,;+-\$#%{ } [] () > = < ^ ' ~ ? ! @ * / \ & " _

Pica 10 Part number 92153B

ABCDEFGHIJKLMN O PQRSTU VWXYZ abcdefghijklmnopqrstuvwxy
0123456789 ~c,.,;+-\$#%{ } [] () > = < ^ ' ~ ? ! @ * / \ & " _

Elite 12 Part number 92153C

ABCDEFGHIJKLMN O PQRSTU VWXYZ abcdefghijklmnopqrstuvwxy
0123456789 ~c,.,;+-\$#%{ } [] () > = < ^ ' ~ ? ! @ * / \ & " _

Letter Gothic 12 Part number 92153D

ABCDEFGHIJKLMN O PQRSTU VWXYZ abcdefghijklmnopqrstuvwxy
0123456789 ~c,.,;+-\$#%{ } [] () > = < ^ ' ~ ? ! @ * / \ & " _

Bold PS Part number 92153E

ABCDEFGHIJKLMN O PQRSTU VWXYZ abcdefghijklmnopqrstuvwxy
0123456789 ~c,.,;+-\$#%{ } [] () > = < ^ ' ~ ? ! @ * / \ & " _

Metalized Print Wheels—96 Character

Titan 10 Part number 92153U

ABCDEFGHIJKLMN O PQRSTU VWXYZ abcdefghijklmnopqrstuvwxy
0123456789 ~c,.,;+-\$#%{ } [] () > = < ^ ' ~ ? ! @ * / \ & " _

Financial 10 Part number 92153V

ABCDEFGHIJKLMN O PQRSTU VWXYZ abcdefghijklmnopqrstuvwxy
0123456789 ~c,.,;+-\$#%{ } [] () > = < ^ ' ~ ? ! @ * / \ & " _

Cubic PS 96 Part number 92153W

ABCDEFGHIJKLMN O PQRSTU VWXYZ abcdefghijklmnopqrstuvwxy
0123456789 ~c,.,;+-\$#%{ } [] () > = < ^ ' ~ ? ! @ * / \ & " _

Note: Typestyle examples are photographically reduced. Metal wheels sold separately.



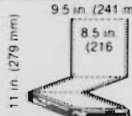
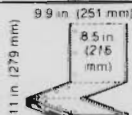
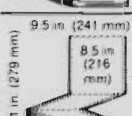
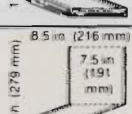
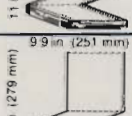

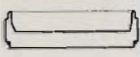
92177F Sound enclosure. This enclosure is equipped with a 220 VAC cooling fan, heavy-duty line cord and a CEDEC standard plug for international use. This unit does not have an additional electrical outlet on rear of enclosure. Other specifications are the same as 92177E.



HP 2601A Printer with 92177A sound pad

92177A Sound absorbing pad. Help quiet your 2601A or other printers. The main body is made of high-quality felt treated with a stifening agent which allows continuous lateral motion without fiber break-down. The non-skid rubber bottom holds the pad firmly on your stand or desk, thus preventing "printer creep". The top corners are impregnated with a layer of latex to hold your printer firmly on the pad. Size is 18 x 22 in.

Ribbons and paper

Impact printer model number	Part number / description	Dimensions & measurements	Unit of measure	Cross-reference to other supplies & accessories	
2601A Daisywheel Printer	92151C	Multistrike, high-capacity, reel-to-reel ribbon cartridges. Black print. 	5/16 in. ribbon, 235,000 characters	Box of 12	See: Paper transporter pg. 28 Printer stand pg. 28 Printwheel cleaning kit pg. 21 Printwheels, plastic & metal pg. 22 Sound absorbing mat see above Sound enclosures see above
	92151D	Fabric, continuous cycle feed ribbon Cartridges. Black print. 	5/16 in. ribbon, 1 million characters	Box of 12	
	92157A	Fanfold, blank printer paper. 	18 lb. bond, white, 2400 sheets/box	Box	
	92157B	Fanfold, 3-hole punched, blank printer paper. 	15 lb. bond, white, 3200 sheets/box	Box	
	92157C	Fanfold, micro-perforated printer paper for high-quality word processing applications. 	20 lb. no. 1 bond, white, 2400 sheets/box	Box	
	9280-0705	72-column blank printer paper. 	15 lb. bond, white, 3200 sheets/box	Box	
	9280-0218	80-column green-bar printer paper. 	15 lb. bond green-bar (1/2 in.), 3200 sheets/box	Box	
2602A Daisywheel Printer	92151H	Multistrike, high capacity reel-to-reel ribbon cartridge. Black print. 	5/16 in. ribbon 450,000 characters	Box of 12	See: Printwheels pg. 24
82905A/B Dot Matrix Printer	92156A	Ribbon cartridges continuous feed. Black print. 	1/2 in. ribbon, 20 yards, 3 million characters	Box of 2	See: Print head pg. 24 Desktop printer stand pg. 24

HP 2602 daisywheel printer

Paper widths accepted: 2.2 in. (56mm) minimum; 15.2 in. (387mm) maximum.

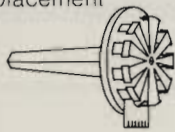
Paper and ribbons. See chart page 23.

Printwheels. The HP 2602A offers drop-in printwheel loading. The notchless, hubless printwheels are dropped into an envelope-like enclosure. The enclosure is snapped shut and the wheel is automatically aligned. Ribbon remains engaged during all printwheel changes. The pitch or characters per inch are identified in the printwheel title, i.e., 10 represents 10-pitch, 12 represents 12-pitch and PS indicates a proportionally spaced wheel.

HP 2631A/B printer

Paper widths accepted: 2.2 in. (56 mm) minimum; 15.7 in. (400 mm) maximum.

92154G Print head. Replacement print head for 2631A/B printers.



Paper and ribbons. See chart page 23.

HP 82905A/B printer

Paper widths accepted: 4 in. (102 mm) minimum; 10 in. (256 mm) maximum.

Paper and ribbon. See chart page 23.

92154P Print head. Reliable and user installable. Average life is 50 to 100 million characters.



NEW 92171S Desktop printer stand. This unique smoked acrylic printer stand is designed for use with the HP 82905A/B printer.

Plastic print wheels—98 character

USASCII wheels

Courier 10	Part number 92262A	Prestige Elite 12 ...	Part number 92262E
Prestige Pica 10 ...	Part number 92262B	Letter Gothic 12 ...	Part number 92262F
Courier 12	Part number 92262D	Bold Face PS	Part number 92262G

International wheels

United Kingdom

Courier 10	Part number 92263A
Prestige Pica 10 ...	Part number 92263B
Prestige Elite 12 ...	Part number 92263C
Courier 12	Part number 92263D
Bold Face PS	Part number 92263E

*German

Pica 10	Part number 92263F
Letter Gothic 12 ...	Part number 92263G
Square PS	Part number 92263H

French

Courier 10	Part number 92263J
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*Available February 1983.

Prestige Elite 12 ...	Part number 92263K
Bold Face PS	Part number 92263L

*Swedish/Finnish

Courier 10	Part number 92263M
Bold Face PS	Part number 92263N

*Norsk/Danish

Courier 10	Part number 92262P
Bold Face PS	Part number 92263Q

*Spanish

Courier 10	Part number 92263R
Bold Face PS	Part number 92263S

Each wheel sold individually.

Improves paper flow. Fanfold paper conveniently fits inside the printer stand—providing organization and improved paper flow while printing. Printer stand holds paper size 4 in. (102 mm) to 10 in. (254 mm) wide.

Sized right. The stand measures 15 in. (380 mm) W x 14 in. (355 mm) D x 3 3/8 in. (85 mm) H. The right size for personal/office workstations.

92250T Dust cover. Protect your valuable 82905A/B printer from dust and dirt with this durable cloth cover.



92171S Desktop printer stand

Thermal printers

HP-85

82931A Box of 2 rolls thermal paper, blue print.

4.25 in. (10.8 cm)

82954A Box of 2 rolls thermal paper, black print.



HP-120

The HP 120, equipped with option 050 internal thermal printer. See 92160A and 92160B listing under HP 267X printer.

400 ft. (121.92 m)

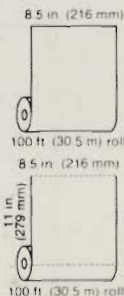
HP 267X printer

The following thermal papers are for use with the HP 2671A, 2671G and 2673A Thermal Printers.

92160A Box of 24 rolls thermal paper, blue print.

92160B Box of 24 rolls thermal paper, black print.

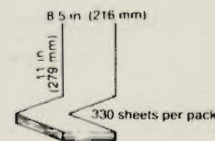
92160C Box of 24 rolls perforated thermal paper, black print. 100 sheets per roll. Final size 8.5 x 11 in. (216 x 279 mm).



92160M Box of fan-fold thermal paper, blue print. Each box contains 4 packs of 330 sheets each,

page perforated thermal paper (1320 sheets per box total). Final size, 8.5 x 11 in. (216 x 279 mm).

92160N Box of fan-fold thermal paper, black print. Each box contains 4 packs of 330 sheets each, page perforated thermal paper (1320 sheets per box total). Final size 8.5 x 11 in. (216 x 279 mm).



Documentation

Model No. 2601

2601A Oper Manual	02601-90901
2601A Installation & Ref Manual	02601-90902

Model No. 2602

Owners Manual	02602-90001
Service Manual	02602-90002
Parts Manual	02602-90003

Model No. 2671

2671A/G Owners Manual	02670-90015
2671A/G Service Manual	02670-90017

Model No. 2673

2673A Owners Manual	02670-90016
2673A Service Manual	02670-90018

Model No. 82905

Owners Manual for 82905A Printer (english)	82905-90001
Owners Manual for 82905B Printer (english)	82905-90014

Fiber-tip pens



Paper writing pens

For use with 7470 graphics plotter.

Single-color pen packages (5 pens/pkg.)

Narrow line width (.3 mm) Wide line width (.7 mm)

5060-6784 (Red)		5060-6893 (Red)
5060-6785 (Blue)		5060-6891 (Blue)
5060-6786 (Green)		5060-6892 (Green)
5060-6787 (Black)		5060-6890 (Black)

Multi-color pen packages

Narrow line width (.3 mm) Wide line width (.7 mm)

5060-6810 4 pens/pkg		5060-6858 4 pens/pkg
Red		Red
Blue		Blue
Green		Green
Black		Black

Narrow line width (.3 mm) Wide line width (.7 mm)

5060-6894 6 pens/pkg 1 each of		5060-6895 6 pens/pkg 1 each of
Burnt Orange		Burnt Orange
Brown		Brown
Violet		Violet
Turquoise		Turquoise
Gold		Gold
Lime Green		Lime Green

Blank plotter papers

HP plotter papers are specially formulated to interact with HP plotter pen ink—to produce vivid, high quality graphics. The following plotter papers may be used with all HP graphic pen plotters.

9280-0589 Pad of 50 english sheets A-size (8.5 x 11 in.)

9280-0588 Pad of 50 metric sheets A4-size (210 x 297 mm)

9280-0517 Box of 300 english sheets A-size (8.5 x 11 in.)

9280-0519 Box of 300 metric sheets A4 size (210 x 297 mm)

Digitizing sight

09872-60066 Digitizing sight for use with the 7470 graphics plotter.



Overhead transparency pens

For use with 7470 graphics plotter.

Single-color pen packages (5 pens/pkg.)

Narrow line width (.3 mm) Wide line width (.6 mm)

5061-5012 (Red)		5061-5022 (Red)
5061-5016 (Blue)		5061-5026 (Blue)
5061-5015 (Green)		5061-5025 (Green)
5061-5010 (Black)		5061-5020 (Black)

Multi-color pen packages (4 pens/pkg.)

Narrow line width (.3 mm) Wide line width (.6 mm)

5060-6818 1 each of		5060-6819 1 each of
Red		Red
Blue		Blue
Green		Green
Black		Black

5060-6834 1 each of		5060-6835 1 each of
Orange		Orange
Brown		Brown
Violet		Violet
Black		Black

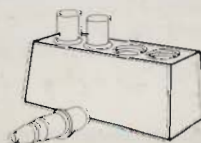
Transparency ink solvent

5060-6828 Container of 1 fluid oz. (29.6 ml)

Overhead transparency film

9270-0360 Package of 50 transparency film sheets-A-size (8.5 x 11 in.). For use with 7470A plotter only.

9270-0639 Package of 100 transparency film sheets-A-size (8.5 x 11 in.). For use with 7220, 7221, 9872 plotters; also 7225 if equipped with velocity-select capability.



Plotter pen holder

07225-40054

This sturdy organizer holds up to four fiber-tip pens.

Plotter supplies kits

A convenient way to get an assortment of pens and plotter media for everyday use.

5061-5070 Plotter paper and pen kit, (english)

5061-5071 Plotter paper and pen kit (metric)

Plotter paper and pen kits for use with all HP graphic plotters. This convenient kit

contains all the supplies necessary to create effective charts on paper. Includes 300 sheets of English A-size (8.5 x 11 in.) paper or Metric A4-size (210 x 297 mm) paper, 20 fiber-tip paper pens in two line widths (.3 mm and .7 mm) and 10 vivid colors; and a pen holder which holds up to 4 pens. Packaged in a convenient storage box with complete instructions.

17057A Overhead transparency kit for the 7470A contains all supplies necessary to prepare up to 50 overhead projection transparencies. Includes 50 sheets of paper-backed transparency film, each 8.5 x 11 in. (216 x 279 mm); and 16 pens in two tip widths (0.3 & 0.6 mm) and 7 vivid colors. Packaged in convenient storage box with complete instructions.

17055A Overhead transparency kit for 7220, 7221, 9872 plotters; also 7225 if equipped with velocity-select capability. Contains all supplies necessary to create up to 200 overhead projection transparencies. Includes 200 sheets of transparency film, each 8.5 x 11 in. (216 x 29 mm); a bottle of ink solvent; and 16 pens in two line widths (.3 mm and .6 mm) and 7 vivid colors. Packaged in a convenient storage box with complete instructions.

Plotter media

Blank plotter paper.

See chart page 25.

Printed plotter papers

Box of 100 small sheets, Standard Grid, available in two weights and two grid sizes.

English (7 x 10 in. grid dimension printed on 8.5 x 11 in.)

Metric (180 x 250 mm grid dimension printed on 216 x 280 mm).

9270-1023 Metric grid—heavy wt.

9270-1027 Metric grid—light wt.

9270-1006 English grid—heavy wt.

9270-1007 English grid—light wt.

Overhead transparency film.

See chart page 25.



Overhead transparency kit.

Accessories

HP-7470A plotter

NEW 92250N Dust cover. Designed of durable dark tan cloth to protect your valuable plotter.

1540-0560 Carrying case. This soft-vinyl carrying case features cushioned padding to protect your valuable plotter.

HP-9111A/T Graphics tablet

09111-68701 Package of stylus refills (2 inkless, 3 ink cartridges).

7121-0988 Package of three overlays. Used to protect and hold down documents of 9111A Graphics Tablet.

1540-0685 Carrying case. This soft-vinyl carrying case is designed with foam padding to protect your graphics tablet.

Documentation

Model No. 7470

7470A Graphic Plotter Service Manual	07470-9000
7470A Graphic Plotter Interfacing & Programming Manual	07470-90001
7470A Graphic Plotter Oper Manual	07470-90002
7470A Graphic Plotter Interconnection Guide	07470-90003
7470A Graphics Plotter Ref Card	07470-90004

7470A Graphics Plotter Oper Manual (Japanese)	07470-90006
7470A Graphics Plotter Oper Manual (Italian)	07470-90009

Model No. 9111

9111A Graphics Tablet Users Manual	09111-90000
9111A Graphics Tablet Option 101 Service	

Manual Supplement	09111-90001
9111A/HP 85 System Software Manual	09111-90021
9111A Graphics Tablet Service Manual	09111-90030
9111T Graphics Tablet Users Manual	09111-90050
9111A/HP 85 System Tutorial Manual	09111-90085



Modular workstation furniture

HP's modular workstation furniture helps you keep pace with today's rapidly evolving computerized office or laboratory. It lets you build the workstation you initially need on a modest scale and at a modest price—while making it easy for you to modify and enlarge it as people and equipment are added, or as your floorplan changes.










This furniture is specifically built to handle personal computers, printers, plotters, flexible disc drives—as well as conventional office equipment such as typewriters. Unsightly cables and power cords are handled neatly and efficiently by the cable management features built into our workstation tables and printer stands.

Quality is a standard feature, and these are very sturdy products. Thanks to steel construction, the mar-resistant work surfaces can be cantilevered for a more open, uncluttered area underneath. Assembly is simple and fast; all mounting holes are pre-drilled/tapped, and all screws and other hardware provided. Truly an excellent value!



Built-in cable management—slots below the rear edge of our tables and stands work in conjunction with grommetted holes in the shelves to route cables and cords unobtrusively to ground level.

HP modular workstation system

Product number	Description	Height	Dimensions Width	Depth
 92210B	Standard workstation table, with leg levelers and modesty panel. Seven-inch (178-mm) shelf standard.	27.0 in. 686 mm	60.0 in. 1525 mm	30.0 in. 763 mm
 92210E	Work surface extension (return), with leg levelers and modesty panel. Fits right or left side of 92210B table.	27.0 in. 686 mm	40.0 in. 1017 mm	24.0 in. 610 mm
 92210K	Table-top connector (trapezoid). Extends work surface by joining two 92210B tables.	back: front:	50.0 in. 1251 mm 24.0 in. 610 mm	26.5 in. 674 mm
 92210S	Table-top connector (triangle). Extends work surface by joining two or three 92210B tables.	each side:	30.0 in. 763 mm	
 92210Q	Suspended drawer unit. Two drawers, with identical key lock all units. Deep bottom drawer can store three types of hanging files: letter-size, legal-size, and computer printout binders. Fits right or left side of 92210B tables.	21.0 in. 534 mm	14.8 in. 375 mm	19.4 in. 493 mm
 92210R	Storage module unit, with three-position adjustable shelf. Rear of module is open for ventilation and access to 92210B cable management system, when module used to hold electronic equipment. Fits right or left side of 92210B tables.	19.0 in. 483 mm 17.0 in. 432 mm	21.0 in. 534 mm inside module dimensions: 19.4 in. 493 mm	19.4 in. 493 mm 19.4 in. 493 mm
 92210N	Mobile drawer unit, on casters. Two drawers, with identical key lock all units. Deep bottom drawer like 92210Q above. Unit rolls easily to any workstation; top same height as 92210B .	27.0 in. 686 mm	15.4 in. 391 mm	20.0 in. 508 mm
 92210P	Printer stand. Design matches HP 92210-series workstation system. Convenient paper feed slot (4 x 19 in., 102 x 483 mm) in top allows bottom paper feed. Also features rear printout catcher with 1.5 in. (38 mm) slot to allow paper transport to rear feed printers. Cable management slots, seven-inch shelf standard.	27 in. (686 mm) 18.5 in. (470 mm)	work surface 30 in. (762 mm) printout catcher 17 in. (432 mm)	24 in. (610 mm) 13.5 in. (343 mm)
 92210L	Set of four heavy-duty, double-wheel casters. Use in place of leg levelers on 92210B tables or 92210P stands where mobility is desired. Caster height 1.75 in. (45 mm).			

Easy Assembly! A Phillips screwdriver is the only tool needed to assemble the 92210B/E units, and to install the

92210K/Q/S units. All mounting holes are pre-drilled/tapped, and all hardware and brackets are included.



92171T CRT turntable

92171T Turntable for properly positioning and sharing your personal computers. Turns 360 degrees on a strong, ball bearing mechanism. The putty color matches HP's Computer Work Station Furniture and compliments other computer products. Dimensions—3.2 cm (1.25 in.) high, 5.1 cm (20 in.) wide, 6.1 cm (24 in.) deep.

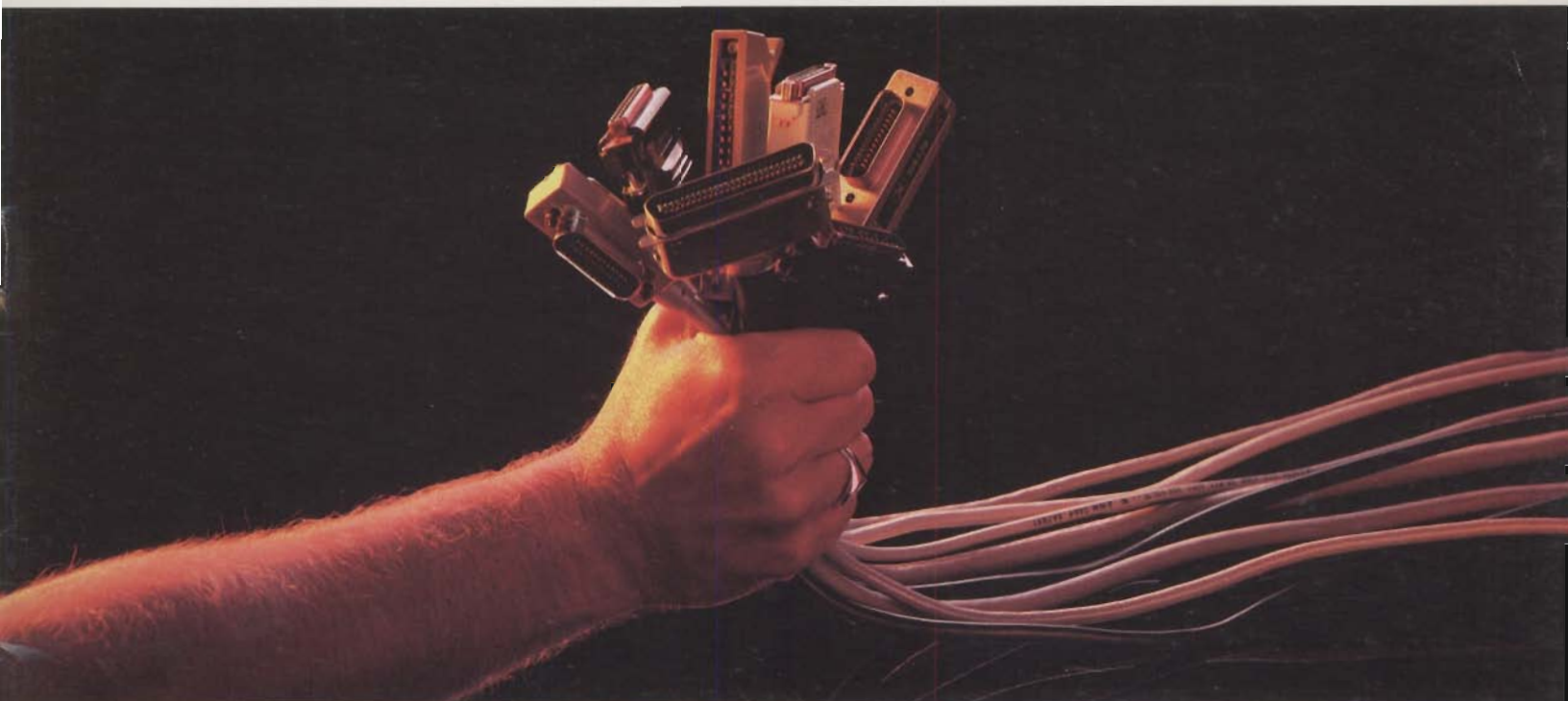
92173P Paper transporter.

Tired of lifting and carrying heavy boxes of printer paper to and from your computer area? Use HP's paper transporters. They provide an easy way to move boxes of blank forms and finished printouts from one place to another. The transporters are made of durable steel with non-mar, double wheel casters and come with their own pull handles. Size is 13W x 16D in. (330 x 406 mm). Color is putty.



92173P Paper transporter

Cables and connectors



Improved HP-IB (IEEE-488) cables

10833A/B/C/D HP-IB cables have been improved for better performance in HP Systems. The cable itself is double shielded with additional shielding on the inner layers.

Other major enhancements are:

- Improved crosstalk reduction between control and data lines.
- Nickel-plated aluminum shell to prevent corrosion
- Stainless steel connecting screws with conductive coating for better electrical contact.

These improved cables are completely compatible with and can be used in combination with regular HP-IB cables. However, the continuity and effectiveness of the shielding will be affected.

31389A/B/C. Many applications, such as plotting data or logging data from instruments have low data transfer rates and often do not require maximum RFI shielding. In these cases, the regular HP-IB cables will perform well—at a substantial savings. Refer to product specifications

Length	Regular cable (other HP equivalent)	RFI shielded cable (other HP equivalent)
3.3 ft. (1 m)	31389A (10631A)	10833A (45529A)
6.6 ft. (2 m)	31389B (10631B)	10833B (45529B)
13.2 ft. (4 m)	31389C (10631C)	10833C —
1.65 ft. (0.5 m)	—	10833D

to determine which HP-IB cable to use.

HP-IL cables

The Hewlett-Packard Interface Loop (HP-IL) is a bit-serial interface that combines low power, small size and low cost. With the small, 2-wire cable you can interface as many as 30 devices with up to 10 metres of cable between each device. Use with HP-85, 82938A HP-IL interface and HP 41C, 82160A HP-IL interface. This would allow you to link your HP 41 Hand-held Calculator to an HP Series 80 Personal Computer System. Many other HP-IL designated devices can also link to the HP Series 80 Personal Computer.

HP-IL cable number	Length
NEW 82167A	1.65 ft. (.5 m)
NEW 82167B	3.3 ft. (1 m)
NEW 82167D	16.7 ft. (5 m)

RS-232C cables

EIA standard RS-232C cables are commonly used for interfacing data terminal equipment and data communications equipment employing serial binary data exchange.

13222-60003 6.6 ft. (2 m) Standard RS-232C communications cable

13242-60010 16.7 ft. (5 m) shielded serial printer cable for HP 2601A, HP 2602A and 2631B printers.

System cables

HP-86

82957A 4-ft. (1.2 m) Printer cable. 36-Pin Connectors both ends. For use with HP 82905B printer, options 242, 342, 442.

92220M 25.4-in. (0.6 m) monitor cable. Coaxial connectors both ends. For replacement of original HP-86 monitor cable or for addition of an extra monitor.

Series 100

Printer (RS-232C interface)

13242-60010 16.7 ft. (5m) shielded serial printer cable for use with HP 2601A, HP 2602A and HP 2631B printers.

Printer (HP-IB interface)

10833A/B See HP-IB cables.

Port 1 (First computer)

13222-60001 16.7 ft. (5 m) U.S. modem cable.

13222-60002 16.7 ft. (5 m) European modem cable.

13222-60003 6.6 ft. (2 m) Standard RS-232C communications cable.

Port 2 (Second computer)

13242-60001 16.7 ft. (5 m) U.S. modem cable.

13242-60002 16.7 ft. (5 m) European modem cable.

Series 200

5061-4215 16 ft. (4.9 m) RS-232C cable with DTE connector (male)

5061-4216 16 ft. (4.9 m) RS-232C cable with DTE connector (female)

