

Series 100 Personal Office Computers HP 120 and HP 125

Management Overview

 HEWLETT
PACKARD



Central Process
Robertson Manufacturing Co., Bid
Revision #2

Unit Price	833Unit	833Unit	814Unit	814Unit
Quantity	200 Units	400 Units	200 Units	400 Units
Other Costs				
Ink	-.33	-.81	-.35	-.87
Labels	-.10	-.40	-.18	-.75
Total	1.11	1.21	1.46	1.32
Other Costs				
Material Em	-.78	-.72	-.75	-.72
Act's Em	-.05	-.20	-.10	-.40
Assembly	-.05	-.20	-.10	-.40
Total	-.88	-.92	-.95	-.92
Power	-.12	-.48	-.24	-.96
Total	3.10	2.89	3.14	2.98



Personal Computers Designed for Professionals

Forecasts, budgets, business plans, reports, presentations ... tasks you and your staff tackle every day. Hewlett-Packard has two powerful tools which can help you get these jobs done better and faster. Series 100 Personal Office Computers. Personal computers designed to provide a total system solution for business professionals.

From Getting the Facts to Communicating the Results.

The new Series 100 Personal Office Computers (HP 120 and HP 125) are designed to handle all kinds of information ... in the form of words, data, and graphics. The Series 100 permits you to access information quickly from corporate data bases or remote site information services. Local data bases also can be created with the Series 100 to allow you to stay in constant touch with information within your department. With a Series 100, you can quickly organize and analyze information, increasing your ability to make the right decision fast. Results can be communicated electronically or by generating a quick memo or formal report. Graphics allows you to do a more effective job of presenting complex information in an understandable form.

A Total System Solution.

Hewlett-Packard has integrated hardware, software, and communications together in a single system.

When it comes to hardware, Hewlett-Packard allows you to select from several different system configurations. The HP 120 is a powerful personal computer that takes up the same amount of space on a desk as an open looseleaf notebook. The compact size of the HP 120 makes it a perfect solution for managers and professionals. The HP 125 has a 12" display (compared to 9" on the HP 120), so characters on the display are larger for screen intensive applications. Both Series 100 products are fully compatible. You can use the same software on both systems, and easily exchange information within your department. We can give you a wide choice, too, of peripherals to configure your own specific office system.

Hewlett-Packard offers an equally broad range of application software. Software solutions are available in the areas of decision support, word processing, information (data base) management, communications, and program development.

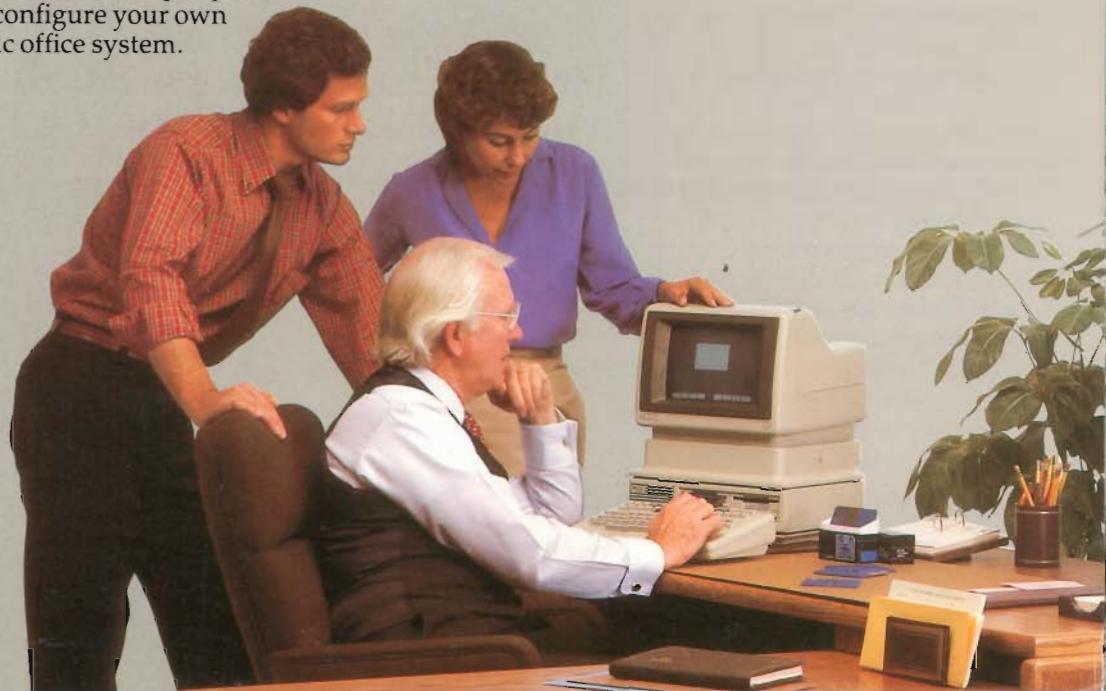
The HP 120 and HP 125 have been designed to play important roles in your distributed data processing network. These two advanced personal computers also are intelligent terminals. Special communications software provides a file transfer capability between your Series 100 computer and a central computer. The power of a computer is distributed directly to the end user. This lets you significantly reduce pro-

gramming support required from a central EDP staff. And it can help decrease overhead expenses associated with running a similar application on a centralized computer.

Easy to Use.

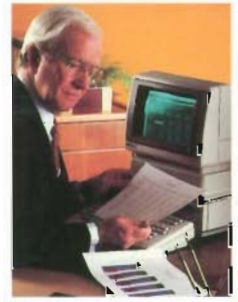
For all their power and versatility, HP Series 100 Personal Office Computers are two of the easiest-to-use personal computers on the market today. You don't have to be a computer specialist to get the job done. Most applications are menu driven. Screen labeled function keys show you exactly what choices are available to you. And they guide you safely, step-by-step, through any kind of application.

The Series 100 Personal Office Computers from HP. They're ready to go to work when you are.



HP Computer Museum
www.hpmuseum.net

For research and education purposes only.



The Series 100 can be used to analyze information and make more timely decisions.

Hewlett-Packard offers a broad range of programs which have been carefully designed to take advantage of the special features unique to the Series 100. This provides you with friendlier software solutions. And information can be shared between many different application programs. In addition to HP supported software, a wide selection of programs from third parties are available to meet further application requirements.

Decision Support

Series 100/VisiCalc® is a tool for creating ad-hoc models quickly and performing interactive "what-if" analysis. VisiCalc transforms the display into an electronic spreadsheet with rows and columns of information. Calculations are performed automatically, and the screen is updated automatically as values are changed.

Graphics. Always a sure way to convert dull numbers into a more pleasing and understandable form. **Series 100/Graphics** allows you to produce high-quality charts in just minutes, at a mere fraction of what it normally costs. Pie charts, bar charts, and linear and logarithmic

graphs can be created simply by entering the numbers to be plotted and filling in a menu. Text slides also can be produced in a variety of character fonts and type sizes.

Information Management

Our **Series 100/Condor** data base manager can be used to locally keep track of information such as customer lists, survey results, and departmental budget estimates. It permits you to create a form to organize and enter any type of data you want to store. And it allows you to update this information anytime. Information is easily retrieved from the data base. Customized reports can be created instantaneously. Several features also are included to help analyze information such as automatic calculation of totals and simple statistics. Information stored in separate data files can be related to expand the way in which data is viewed.

Word Processing

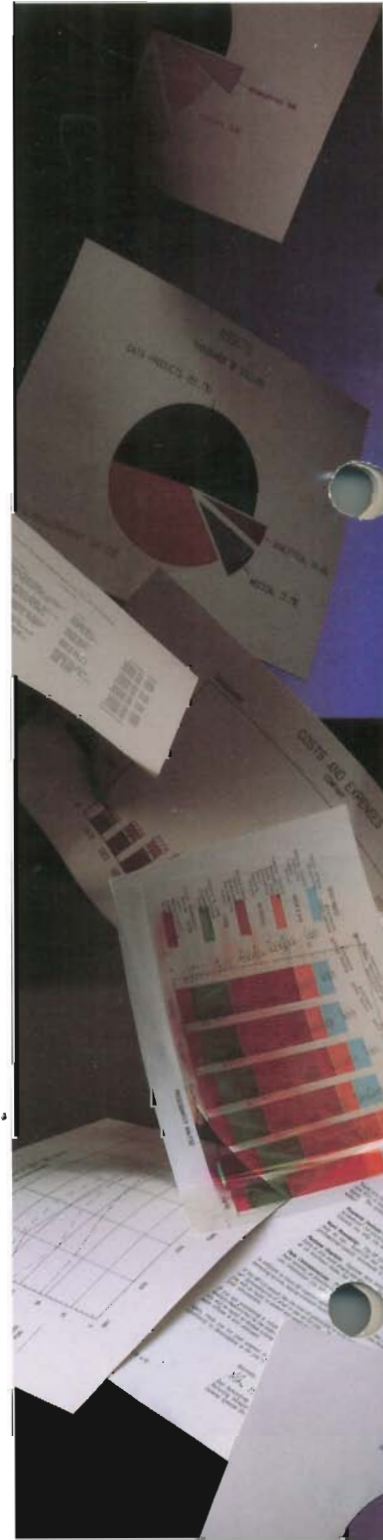
Two word processors are available on the Series 100 to help you more effectively communicate information. Both **Series 100/Word** and **WordStar®** are easy to use for creating short memos and yet comprehensive enough to produce long reports. Docu-

ments never need to be re-typed, since changes to text can be made directly on the display. Besides saving time, documents created on the Series 100 will have a more professional appearance. The display allows you to preview the document before it is printed. Print formatting commands allow you to specify the way text will appear on the printer.

In addition to printing out text, the Series 100 can be used to produce documents containing several types of information. Data produced by VisiCalc or by Condor can be merged into a document. Special features help you to create custom form letters from mailing lists (optional on WordStar).

Communications

Series 100/DSN/LINK extends the communications capabilities of the Series 100. Information stored on other computers can be downloaded to local disc files in addition to viewing data on the display. Files can be transferred between the Series 100 and the HP 3000 with the touch of a few buttons. Error checking with automatic retransmission of data is performed when files are sent to





Professional quality documents can be produced with ease



Results can be communicated between multiple users on a distributed systems network.



the computer. The ability to upload and download information to a host system is more than just a convenient way to make a duplicate copy of the information. Information created by other applications can be shared by multiple users on the system.

Program Development

You can write your own programs using **Series 100/BASIC**. BASIC is the most widely used computer language today for developing applications on personal computers. The **Series 100/Programming Package** includes tools to develop applications in assembly language. Also included is technical documentation which provides examples on how to access the built-in operating system and terminal features of the Series 100.

And Much, Much More...

The Series 100 uses the CP/M® operating system, an industry standard with over 200,000 installations. Many software products are available from third parties and distributed by Hewlett-Packard to solve an even wider range of problems. HP PLUS distributed applications include accounting, project management, and time management.

VisiCalc® is a registered trademark of VisiCorp.
WordStar® is a registered trademark of MicroPro International Corporation.
CP/M® is a registered trademark of Digital Research, Inc.

Easy to Use



"Please make these changes in time for my 3:00 meeting."

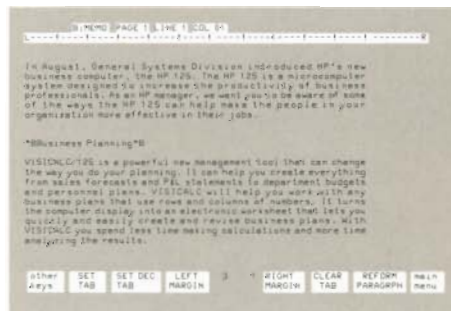
A friendly WELCOME menu automatically appears when the Series 100 is first turned on or a previous application has been completed. Press a single function key to load and run an application. Several applications are normally installed on a single disc, making it easy to switch between application programs.



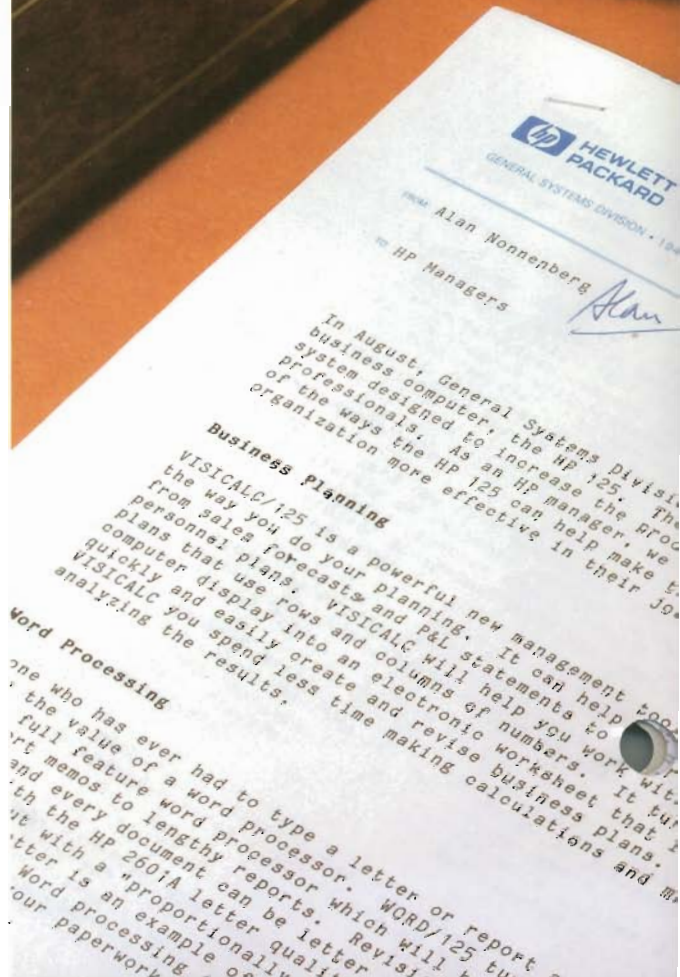
Pressing the function key labeled WORDSTAR causes a new set of function key labels to appear. Retrieving and editing new documents is initiated by pressing the function key labeled OPEN DOCUMENT. WordStar on the Series 100 prompts the user to enter the name of the document.

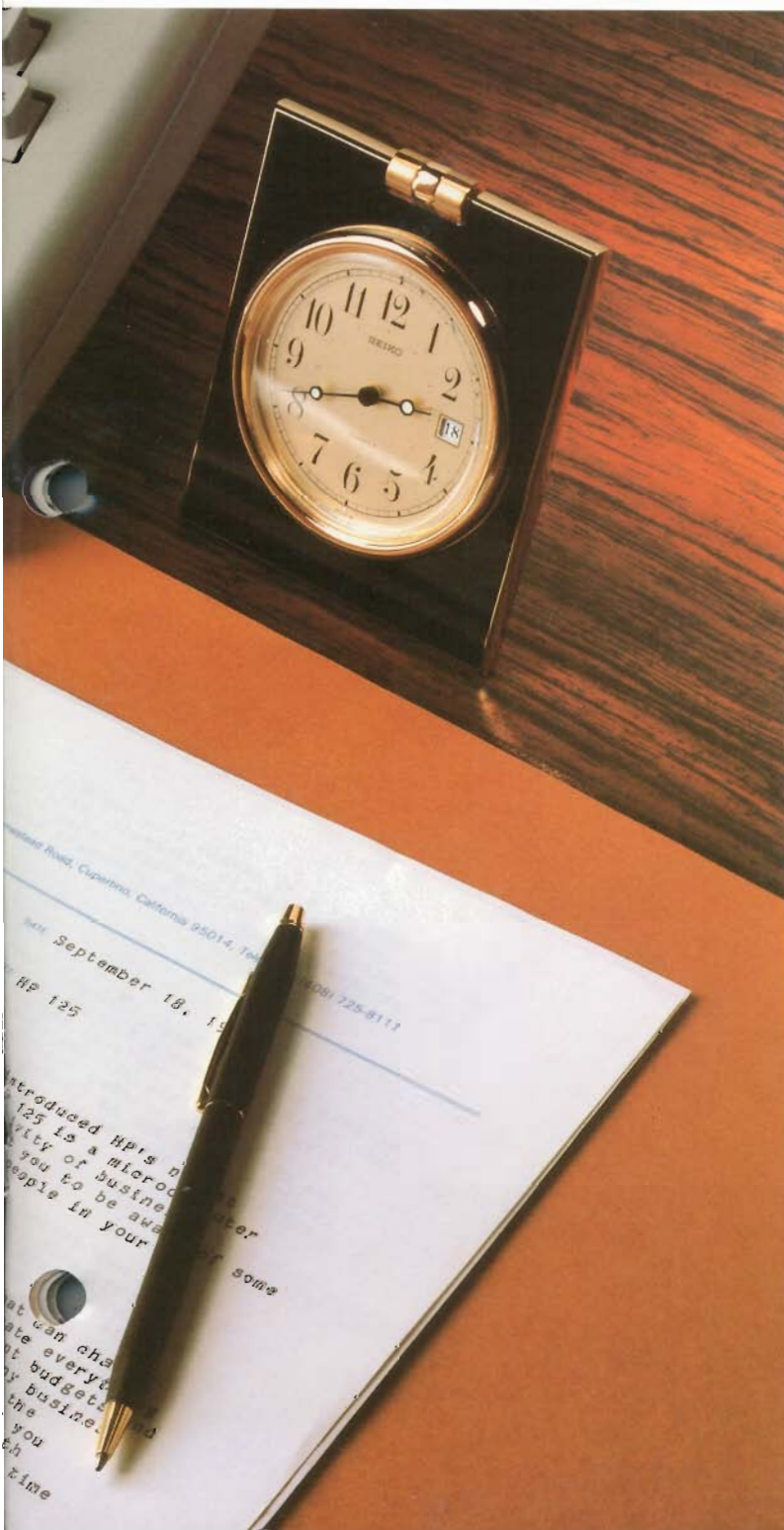


The Series 100 automatically redefines the function keys, updating the corresponding labels on the display. The document just specified is loaded into memory for editing. Changes can be made to a document such as finding and replacing character strings, moving and copying blocks of text, specifying enhancements, and reformatting paragraphs. All with the touch of a few keys. And the Series 100 leads you through every step.



After changes to the memo have been made, the new version is saved and the main WordStar menu reappears. Pressing another function key, "print options," initiates printing the document. The Series 100 asks a few questions, and then automatically sends the information to the printer.





Series 100 Personal Office Computers are designed for use by managers and professionals. An emphasis has been placed on not just providing solutions, but on providing application software and hardware which is easy to learn and use. High-quality documentation can help you to both learn software applications and reference commands quickly after you have become an experienced user.

Easy to Get Started.

Getting started with the Series 100 is easy. Connecting disc drives and other peripherals to your system is simpler than putting together a stereo system. And a special installation manual guides you through every step. An instruction disc checks to make sure your system is properly installed, and it interactively teaches you the basic concepts needed for day-to-day use.

Focus on Results.

From the time your system is installed and operating, the human interface of the Series 100 allows you to focus on achieving results rather than on learning a set of commands to use your system. Complicated commands required to operate most personal computers have been eliminated. Instead, loading and running a computer program, copying information from one disc to another, or operating your system as a computer terminal can all be accomplished by pressing a single key. "Function keys" are eight keys that can be flexibly defined by either the user or an application program to perform any activity which must normally be typed from the keyboard. The meanings of the keys may change depending on the task, so they are labeled on the screen to describe the function for which they are currently defined. Menus are used to guide you through making selections when appropriate. No matter what previous computer experience you might have, the Series 100 can make you more productive, in a shorter time.

The completed result appears as good as if typed for the first time. Without cutting, pasting, and photocopying.

Hardware Solutions



The Series 100 keyboard has been specially designed for touch typing. Keys have been individually sculpted for a better "feel" and deep dish F and J keys make finding the home row easy.



Special accessories on the HP 120 allow you to adjust the display at a comfortable angle while working.

Series 100 Personal Office Computers have a standard set of features which allow you to use your system without buying any extra options. In addition to their standard capabilities, Series 100 personal computers offer you enough flexibility to expand and customize your system.

Two Exciting Choices.

Hewlett-Packard offers two Series 100 Personal Office Computers, both with a common set of hardware features, but each having unique features that make them suitable for different office applications.

The compact size of the HP 120 makes it a personal computer you can keep on your desk. The entire system—display, electronics, keyboard, and disc drive—takes up exactly 1.7 square feet of desk space, the same amount of space as an open looseleaf binder. The small size of the HP 120 enables it to be transported for occasional use at home.

The HP 125 has a 12" display (compared to 9" on the HP 120), so characters on the display are larger. For applications requiring a lot of time viewing the display (word processing and programming), the HP 125 provides an ideal solution.

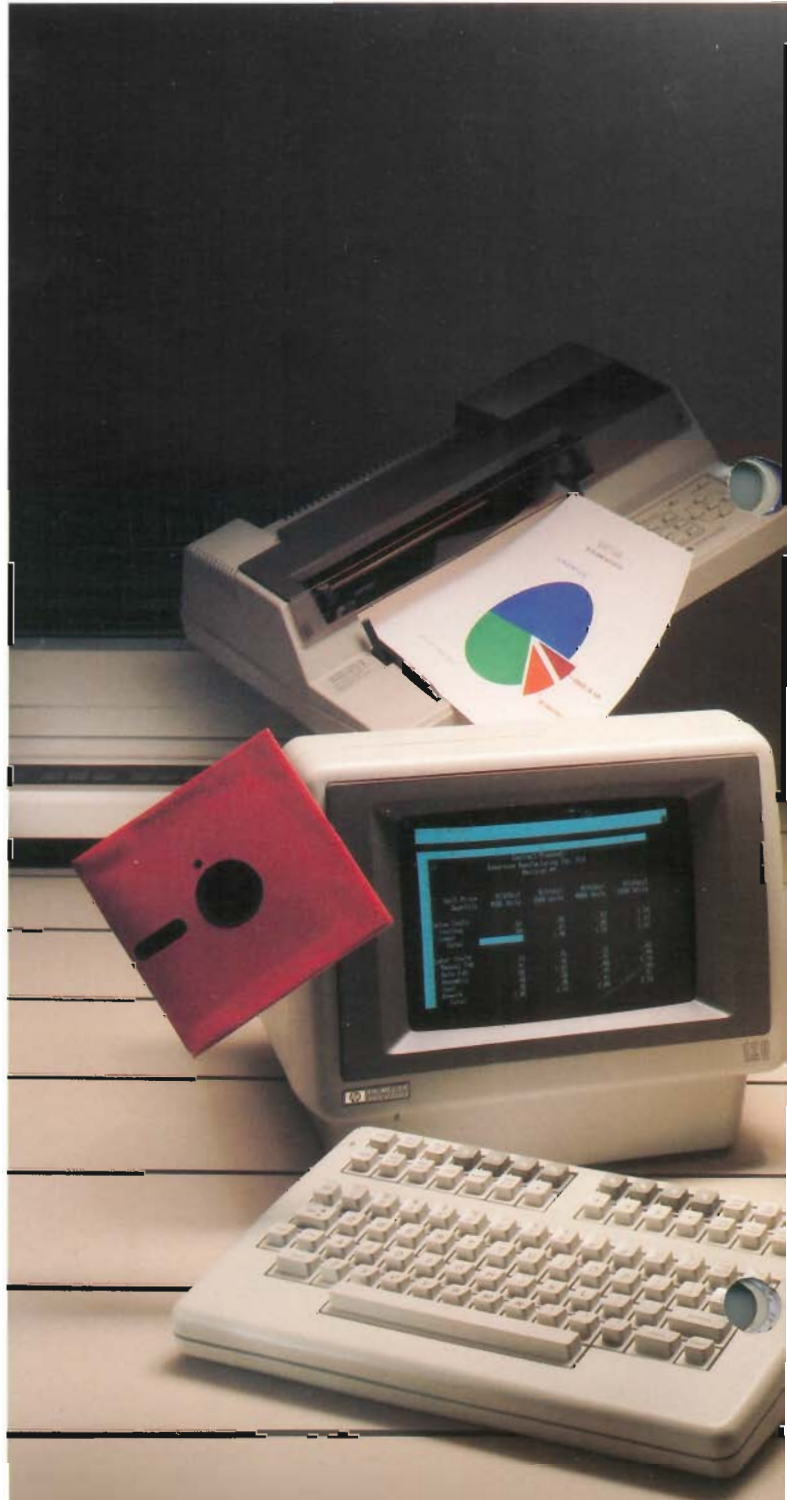
Powerful Computation for Rapid Results.

Series 100 Personal Office Computers have dual microprocessors, providing you with additional power to execute programs. The Series

100 has 64K bytes (roughly equivalent to 64,000 characters) of main memory, 16K bytes of additional memory for multi-page screen display (up to 120 lines of 80 columns of information), and an additional 32K bytes of program for implementing intelligent terminal functions. The operating system which controls the computer and peripherals is CP/M (Control Program for Microprocessors), an industry standard operating system for which many third party software applications have been developed.

Human Engineered for the Office.

Besides being high performance systems, Series 100 Personal Office Computers have been carefully human engineered for comfortable use. High resolution characters make the displays some of the easiest to read in the industry. Display colors are available in both green and white. Special accessories on the HP 120 enable you to tilt and swivel the display. This minimizes glare from overhead lighting, and allows you to adjust the display at a comfortable angle. Series 100 keyboards have been designed to closely resemble a typewriter in appearance and feel. Eight screen labeled function keys, cursor control keys, and keys for editing text provide additional functionality over the standard keys found on any typewriter.





High resolution characters on the Series 100 make it one of the easiest to read personal computers in the industry.



A personal computer designed to fit on your desk... the HP 120 computer electronics, display, keyboard and disc drives take up only 1.7 square feet of desk space.



Built-in Communications.

Communication interfaces for connecting the Series 100 to a remote computer and for connecting many different peripherals are standard with every system. IEEE-488 is an industry standard, high-speed interface originally designed by HP that allows up to fourteen peripherals to be connected to a system on a single interface port. No additional interface cards must be purchased, giving you flexibility to add peripherals without adding to your cost. Two serial ports also are standard with every system. They connect your personal computer to the local data processing center, to remote data bases using a modem, or to RS-232 peripherals, such as printers.

HP Peripherals... A wide selection to customize your system.

Several mass storage products are available from HP for use with the Series 100. The minimum system supports a single disc drive that stores up to 248K bytes of information. Dual disc drives are recommended for applications requiring additional memory, and they also provide an easier way to store additional copies of information. Floppy discs are available in 8", 5.25", and 3.5" sizes. The 3.5" discs ("micro-floppy discs") are the latest mass storage media available

from HP, and they represent a new standard in the marketplace. Hewlett-Packard also offers a Winchester drive (rigid disc) which can hold up to 4.6 million bytes of on-line storage (equivalent to 1,000 printed pages!).

Hardcopy peripherals are available for letters, internal reports, and graphics. The 82905B is a low-cost, general-purpose dot matrix printer. Thermal printers are extremely quiet convenience printers. Two daisywheel printers, the 2601A and the 2602A, are available for letter quality documents. The 7470A is a compact two-pen plotter for high precision plotting requirements such as charts and overheads.

Series 100 System Summary:

- Dual Z80A microprocessors
- CP/M operating system
- Intelligent terminal functions
- Screen-labeled function keys
- Crisp, clear display
- Five pages of display memory
- Detached, typewriter style keyboard
- Available in seven national languages
- Two standard RS-232 ports
- IEEE-488 peripheral interface
- Broad range of peripherals:
 - Micro-floppy and Winchester disc drives
 - Letter quality and Convenience printers
 - High precision plotters

Working With HP as Your Partner



Dave Packard
Bill Hewlett and
John Young

Hewlett-Packard introduced its first personal computation product in 1971, the HP-35 hand-held calculator. Since that time, the range of HP personal computation products has grown to include six unique series of products: Series 10 Professional Calculators, Series 40 Handheld Computers, Series 70 Portable Computers, Series 80 Personal Computers, Series 100 Personal Office Computers, and Series 200 Personal Technical Computers.

HP also is a leader in distributed data processing, providing multi-user systems for both business and scientific applications. A full line of peripherals offers a complete solution to customer data processing needs.

Hewlett-Packard provides you with personalized attention, worldwide. Sales offices exist in 65 countries. Thousands of computer professionals can deliver the support, training, and service you need.

Software Support

Hewlett-Packard offers two levels of software support for the Series 100. Both include a phone-in consulting service where trained software specialists answer questions about using the Series 100. The first level of support is designed for users who have questions about using HP software programs. A higher level of support is available for programmers who are writing new software applications for the Series 100. Both support services include free manual updates, and a subscription to the Series 100 Communicator magazine.

Hardware Service

HP provides the same quality service for the Series 100 that has helped make us a leader in the computer industry. If your system should require repair, Hewlett-Packard provides several different levels of hardware service. These services range from service at your location with specified response time to bench repair at an HP service facility.

Training

User and programmer training classes are regularly scheduled to get you started with your Series 100. Optional consulting and training at your location provides you with even greater personalized assistance.

Computer Supplies

Hewlett-Packard provides a complete line of supplies and accessories for Series 100 Personal Office Computers. Supplies include discs, printer paper, plotter pens, and print wheels. Other products include ergonomic accessories, special furniture, and cables. Updates to Series 100 documentation and software, and the Series 100 Communicator also are available. A toll-free number provides a quick and easy way to place orders. Orders are usually shipped in one day.

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