


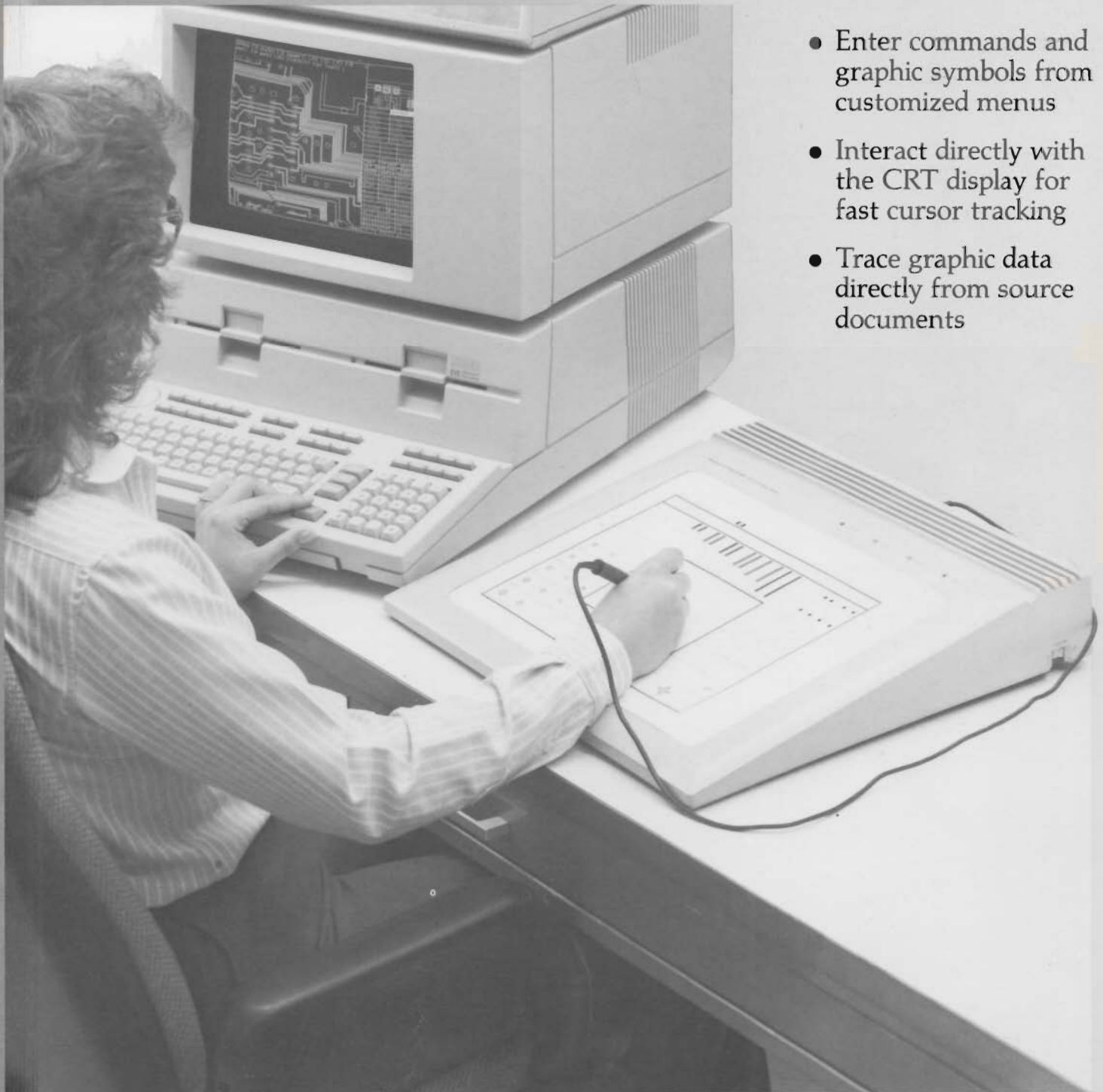
HP 9111A Graphics Tablet

 HEWLETT
PACKARD

TECHNICAL DATA, SEPTEMBER 1984

DESIGNED FOR
HP-IB
SYSTEMS

Add A Tablet To Your System For Faster Interactive Graphics



- Enter commands and graphic symbols from customized menus
- Interact directly with the CRT display for fast cursor tracking
- Trace graphic data directly from source documents

Increase Productivity with the HP 911A Graphics Tablet...

For many graphics applications, system interaction via a graphics tablet is faster and friendlier than a keyboard, and it requires minimal operator training. Look at the ways you can increase productivity with the HP 911A graphics tablet!

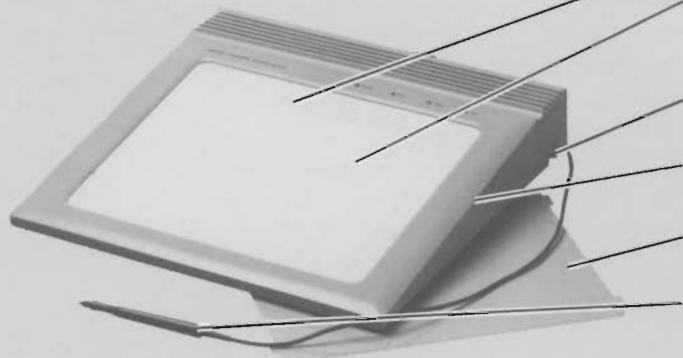
Create Your Design Faster With Specialized Menus

Selecting graphic commands or symbols from menus makes it easy to enter, store, and modify entire drawings. Sixteen user-definable softkeys on the tablet's surface can be used to send program commands. Or select from a menu of graphic symbols specific to your application. Just lay the menu on the tablet and run the appropriate program.

With a single press of the stylus you can send complex graphic instructions to the computer. The tablet transmits a unique code to identify the softkey or menu item that is selected.

Interact Directly With the CRT for Fast Cursor Tracking

Move the stylus on the tablet's surface while watching the cursor move on a graphics display screen. This process, called cursor tracking, is a fast, efficient, and natural way to interact with the CRT for menu selection or freehand sketching.



Trace Graphic Documents Quickly

You can use the graphics tablet to trace graphic documents such as sketches, strip charts, and maps. Just place the document on the tablet surface and trace its contours with the stylus using either single-point or continuous-sample digitizing modes.

Outstanding Features

- 27 HP-GL (Hewlett-Packard Graphics Language) commands provide programming ease and flexibility.
- A programmable data rate of up to 60 points per second enables you to match the refresh rate of a 60 Hz CRT for smooth cursor tracking.
- Stable coordinate locations sent by the tablet allow you to position and hold the CRT cursor on a single picture element (pixel).
- You can choose ASCII data format for easier programming, or binary data format to improve system performance.
- Audio feedback is programmable in tone, volume, and duration.
- Electronic self-tests verify proper tablet operation.
- 16 user-definable softkeys make program control easier.
- A durable ceramic surface resists scratching and pitting, and remains stable in spite of temperature and humidity changes.
- A built-in power supply adds to the tablet's convenience and portability.
- The surface angle is comfortable to use, even for long periods of operation.
- A transparent overlay holds documents on the surface and protects them from wear and tear.
- The slim, lightweight stylus provides good tactile feedback when the stylus is pressed.



and Enjoy the Advantages of a Complete HP Solution

Software Tailored to HP Computers

To add the HP 9111A's benefits to your system, you need a computer with an HP-IB interface and software which makes the tablet compatible with your computer. You can design your own software or choose from the software described below — written specifically for Hewlett-Packard computers to support the HP 9111A.

HP-85 Personal Computer

Utility software for the HP-85 is available as Option 085. It contains sample programs to help you create, edit, store, and plot drawings. With this software, you can create data files containing digitized points to be analyzed by other programs including the HP-85 General Statistics Pac (HP 82804A). And you can calculate the scaled distance you move the stylus, or the area inside a figure you trace.

HP-86/87 Personal Computers*

Option 086 provides a programming manual with sample programs for basic tablet functions.

HP 9845B/C Desktop Computers

Several HP software products for the HP 9845B/C, such as CAP/45 (Computer Aided Presentations/45) and EGS/45 (Engineering Graphics System/45), support the HP 9111A with drawing modules for a variety of technical graphics applications.

Graphics Tablet System Tools for the HP 9845B (HP 88100A) assist you in developing the software needed to create, edit, store, and plot drawings; to pick, place, rotate, and erase elements; and to create and interpret a file of menu elements.

HP 9000 Family, Series 200 Computers*

Used with the HP EGS/200 software and the HP 226 or HP 236 computers, the HP 9111A provides a key link in building a complete engineering drawing system. Multiple tablet menus provided with this software aid in the creation and modification of a wide range of drawings.

HP 9000 Family, Series 500 Computers

GRAPHICS/9000 consists of subroutines which can be used to develop application software. It supports the HP 9111A with a wide range of terminals and displays used with the Series 500 computers.

HP 1000 Computer System

GRAPHICS/1000-II provides subroutines which can be used to develop application software. It supports the HP 9111A with a range of graphics terminals and displays used with the HP 1000 computer system.

*In addition to the above, utility software for the HP-86/87 and HP 9000, Series 200 computers is available from the Series 80 and Series 200 Exchange Libraries. Other software, either from the Exchange Libraries or third parties, also supports the HP 9111A on various HP computers. For further information, consult the HP Plus or Exchange Library Catalogs.

HP Reliability and Support

The HP 9111A meets the high standards of quality, reliability and performance for which Hewlett-Packard products are well-known. With the HP solution, you have the additional advantage of service and support unsurpassed in the industry.

