

COMPUTERS, PERIPHERALS & CALCULATORS

Interactive Display Terminals

Models 2382A, 2621A/P



2382A



2621P

Introduction

Hewlett-Packard's family of interactive terminals feature a wide range of capabilities which are optimized to suit a variety of applications on HP computer systems and software packages. These applications include program development, data entry, document preparation and graphics.

The new HP 2382A Office Display Terminal is a block/forms mode display terminal for office use. The 2382A consumes less than a cubic foot of space, which makes it ideal for the office desktop, yet provides many of the high performance features available in larger HP terminals. Non-computer professionals and infrequent computer users, such as managers, will find the 2382A's small size, simple styling and easy to use features the correct solution to their data processing needs.

The HP 2620 family of interactive terminal range from the simplicity of the character mode 2621A/P, with its two pages of display memory, to the sophistication of the 2626A which provides multiple user defined workspaces and windowing plus a multipoint data communications capability. The newest additions to the 2620 family are the 2622A low cost block mode terminal and the 2623A low cost graphics terminal. The 2622 adds a block/forms mode capability to the 2621A/P while the 2623A provides the 2620 family with a graphics capability and supports all the features of the 2622A. The 2620 series features the convenience of built-in hardcopy across the entire line including graphics hardcopy on the 2623A.

The HP 2640 series of interactive terminals support many of the features and applications that are supported with our 2620 family. The important distinction is that local mass storage is available with the 2640 family. In addition more standalone operations; such as document preparation (HP 2642A), local programmability in BASIC and graphics software (HP 2647A) for preparing graphics and slides locally are available.

Terminals which are designed for OEM's are available in both the 2620 series (HP 2629 family) and the 2640 series (2649 family).

2382A Office Display Terminal

- Small Size
Requires less than 1 cubic foot of space
- High Resolution Display
- 80 Column x 24 lines
- Two pages of display memory
- Four display enhancements
- Block/Forms Mode
- Screen Labeled Softkeys
- Detached Keyboard

The 2382A Office Display features an 80 column by 24 line high resolution display, two pages of display memory, an optional line drawing character set, and four display enhancements including inverse video, half bright, underline and blinking. Screen labeled softkeys allow an application programmer to customize the keyboard to perform several operations with a single keystroke. The detached typewriter style keyboard is familiar and easy to use. The light weight and small size of the 2382A allows it to be positioned where the operator desires so as to minimize operator fatigue. Also the sculptured keycaps and cursor control keys make the operator's job easier.

2621A/P Interactive Display Terminal

- High resolution display
- Two full pages of memory
- Built-in hardcopy
- Modify mode

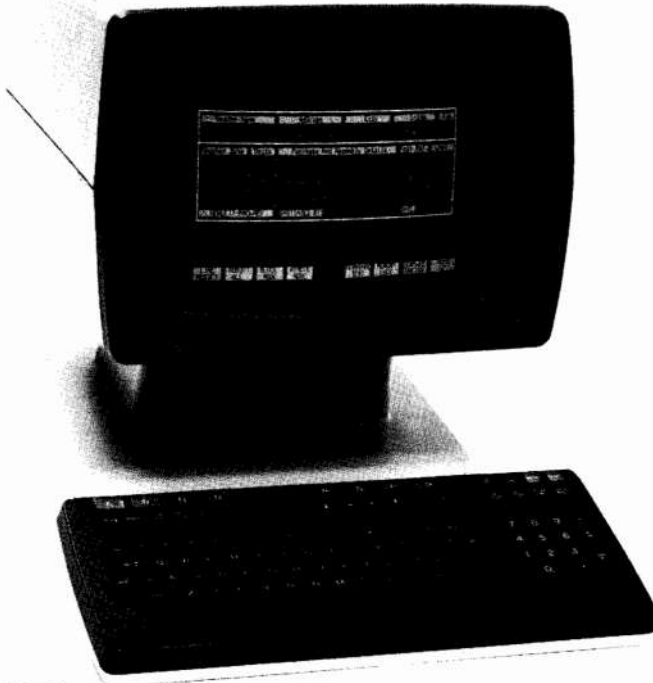
The 2621A/P displays 1920 characters in a 24 line by 80 column format and contains two full pages of memory for a backward look at interactive dialogue. Local hardcopy is provided by an optional built-in printer and Modify Mode allows an operator to edit and then transmit any selected line from the terminals 48 line display memory.

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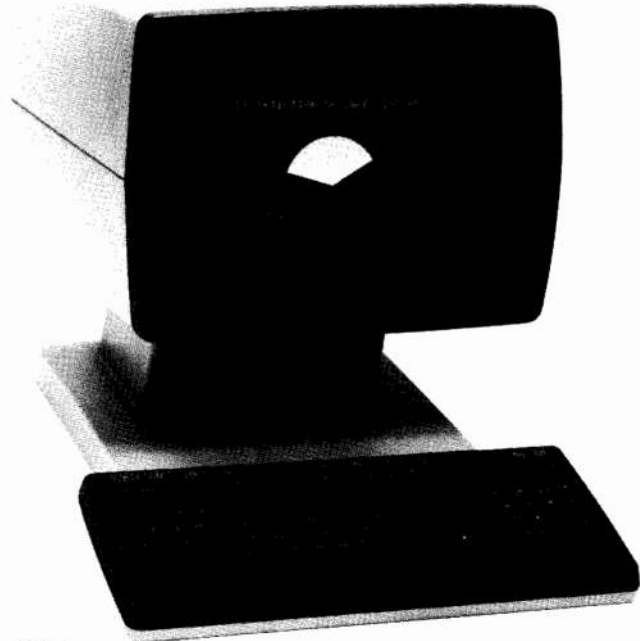
Interactive Display Terminals

Models 2622A, 2623A

669



2622A



2623A

2622A Display Terminal

- High Resolution Display
7 x 11 dot matrix, 9 x 15 character cell
- Block/Forms Mode
- User Defined function keys,
screen labeled
- Six National Character Sets (optional)
- Built-in Thermal Printer (optional)

The HP 2622A has been designed to fit data entry needs. Two pages of display memory, the optional line drawing set, and four display enhancements enable the HP 2622A to be tailored to meet data entry form requirements. The display enhancements which include inverse video, half bright, underline and blinking in all combinations, can be used to depict an existing paper form and to facilitate data entry. A familiar and clear form provides ready acceptance by previous users and accelerates training of new operators. For the programmer, the HP 2622A has several advanced features that increase user productivity. The two pages of display memory allow the programmer to scroll or page through 48 lines of code. Information can be logged to an internal printer before it rolls out of memory. The printer can copy a line, page, or the entire display memory in either an 80 or 132 column format.

2623A Graphics Terminal

- High Quality Display
512 x 390 dot resolution
TEKTRONIX® 4010 compatible (1024 x 780 dot resolution)
- Built-in Graphics Hardcopy
- Fast Vector Generation
9600 baud throughout
- Graphics Text Composition in US ASC II, and Six National Languages
- 2622A Compatible

The low cost 2623A is designed for the graphics user with an extensive on-line capability and system based software. The high quality display features 512 x 390 dot screen resolution and is ideally suited for many display graphics applications as well as some design applications. A built-in printer provides low cost graphic hardcopy in only 30 seconds by simply pressing a key.

The 2623A is supported on HP's Graphics 1000/II and Decision Support Graphics Software. The 2623A also works with other third party software such as TEKTRONIX's Plot 10 and is compatible with the TEKTRONIX® 4010 display terminal.

The 2623A can generate vectors at 9600 baud and graphs can be quickly annotated locally in ASCII, or six other optionally available national languages, before obtaining a hardcopy.

All of the alphanumeric capabilities of the low cost block mode 2622A are available in the 2623A.

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Interactive Display Terminals

Models 2624B, 2626A



2624B

2624B Display Terminal

- High Resolution Display
- Multiple Forms Storage
- Advanced Forms Mode
- Multipoint
- Printer By-pass, in Multipoint

The 2624B represents the ultimate in a data entry terminal. Multipoint forms can be downloaded from the system and stored in display memory for instant retrieval. This reduces the burden on the system and improves system response time while lowering transmission costs. The advanced edit checks which are supported by the HP 2624B improve data integrity and increase data throughput. In addition to protected, unprotected and transmit only fields the 2624B provides the first level of data verification through field edit checks. The edit checks allow the terminal to detect many data entry errors and notify the user. By correcting errors at the terminal, system overhead is reduced. The checks include all characters, alphabetic, alphanumeric, numeric, integer, signed decimal and implied decimal. The preprocessing capabilities are justify, fills and implied decimal. Required and total fill fields provide entry control. These capabilities are an asset to applications that do not do data checking today and they reduce system overhead in programs where the computer previously performed all of the data verification.

The 2624B provides comprehensive point-to-point communications as well as multipoint communication so that multiple terminals can share an expensive communications line. The 2624B built-in printer can operate in printer by-pass mode in multipoint. That is, the printer can be designated as a destination device and information can be sent directly from data comm. to the printer without disturbing the information on the screen or tying up the terminal display.



2626A

2626A Display Station

- Multiple Workspaces
- Multiple Windows
- Dual Data Communications Ports
- Multipoint Data Communications
- Interactive Forms Design

The 2626A is a high performance terminal which provides unique display capabilities and data communications flexibility. The 2626 display memory can be divided into four independent workspaces, and the display screen into separate windows to examine and manipulate the contents of the workspace. Dual data communications ports can be linked to workspaces to display data from two different computers. An optional integral printer provides copies of forms and up to 132 column reports on 8½ inch wide paper.

Display memory may be divided into a maximum of four individual workspaces. Each workspace may be independently viewed, controlled and configured including attachment to a data comm port. (For example memory lock, auto line feed, etc., may be set in a particular workspace.) Data may be transferred from one workspace to another to the integral printer or to an external device. This capability amounts to four virtual terminals which may be changed from application to application or system to system.

The number of lines in a workspace may vary; however, the total number of lines in all workspaces must be less than or equal to the total amount of memory available. The total amount of memory available is 9520 displayed characters independent of control codes for display enhancements, field definitions, and edits. The line length for all workspaces may be set from 80 to 160 characters so that 132 column reports as well as double width pages may be handled. Viewing is via horizontal scrolling.

Two communications ports allow simultaneous communications with two computers or with a computer and external RS232 serial printer. Data may be communicated to the computer using block, line, line modify, or character modes in point-to-point or multipoint.

The 2626A is ideally suited for program development or data entry particularly when taking advantage of the easy to use function key approach to forms design.



2647A

2642A Display Station

- Minifloppy Mass Storage
- Text Preparation Mode
- Forms Design Mode
- Shared Peripheral Interface

The 2642A is a sophisticated and flexible terminal providing substantial offline capabilities. The 2642A retains most of the features of the 2645A; high resolution display; user-defined soft keys; flexible data communications; modular architecture and hard copy interface. In addition the 2642A adds five other major features to the Hewlett-Packard 264X Alphanumeric Product Family: Flexible Mini Disc Drive Support; Forms Design Mode; Text Preparation Mode; Screen Labeled Softkeys/Command Channel and Shared Peripheral Interfaces.

2645A Alphanumeric Display Station

- Integrated Mass Storage
- Forms Mode
- Choice of Communications Capability

The 2645A is a high performance alphanumeric display station that can operate at speeds up to 9600 baud in a fully interactive character-by-character mode or in a variable length block mode. Features such as a high resolution display, forms mode, full editing capability, fully integrated mass storage provided by cartridge tapes, user-defined soft keys, flexible choice of data communications, modular architecture, microprocessor control and hard copy interface make the 2645A the perfect solution for many computer applications.

2647A Intelligent Graphics Terminal

- Programmable in BASIC
- Multiple Automatic Plotting
- Shared Peripheral Interface
- Integrated Mass Storage

The 2647 is the intelligent solution to a host of applications that require both an on-line capability and local programmability. The 2647A is user programmable in BASIC, and offers a number of menu driven application programs that generate slides and charts. The 2647A features a raster scan display and a full interactive alphanumeric capability.

The 2647A offers sophisticated local graphing capability while requiring little or no programming knowledge of the user. Menu driven, the 2647A can plot columnar data in multiple formats chosen by the user. Pie charts, bar charts and X-Y Cartesian and logarithmic graphs can all be created without any host CPU graphics software. Different types of shading patterns are available for highlighting the various charts. Data may be submitted to the 2647A from one of three sources; host computer, tape cartridge or display memory. One simply fills in the blanks on a menu form which appears on the terminal screen. Once the data parameters are defined, the data can then be plotted with a single keystroke. This powerful feature makes graphs friendly, easy to create, and system software independent.

The 2647A contains all of the above features in addition to the capabilities of Hewlett-Packard's first graphics terminal, the 2648A.

2648A Graphics Terminal

- Integrated Mass Storage (optional)
- Automatic Plotting

The 2648A is a lower cost alternative to the 2647A. The 2648A provides less standalone capability.

Display Terminal Application Chart				
Display Terminal	Program Development	Data Entry	Document Preparation	Graphics
2382A	○	●	○	
2621A/P	●	●	○	
2622A	○	●	○	
2623A	○	●	○	●
2624A	○	●	○	
2626A	●	●	○	
2642A	●	○	●	
2645A	●	○	○	
2647A	○	○	○	○
2648A	●	○	○	○

○ = Compatible Terminal with 3000 Software

● = Recommended Terminal with 3000 Software

Ordering Information

	Price
2382A Office Display Terminal	\$1700
2621A Interactive Display Terminal	\$1595
2621P Interactive Display Terminal	\$2750
2622A Display Terminal	\$2075
2623A Graphic Terminal	\$3750
2624B Display Terminal	\$2890
2626A Display Station	\$4150
2642A Display Terminal	\$6750
2645A Display Terminal	\$3955
2647A Intelligent Graphics Terminal	\$9400
2648A Graphic Terminal	\$6530

Opt 007* Integrated Dual Cartridge Tape Unit

\$1400

Opt 050** Integral Printer

\$1210

Opt 007* available with the 2645A and 2648A.

Opt 050** available with the 2622A, 2623A, 2624B, 2626A.