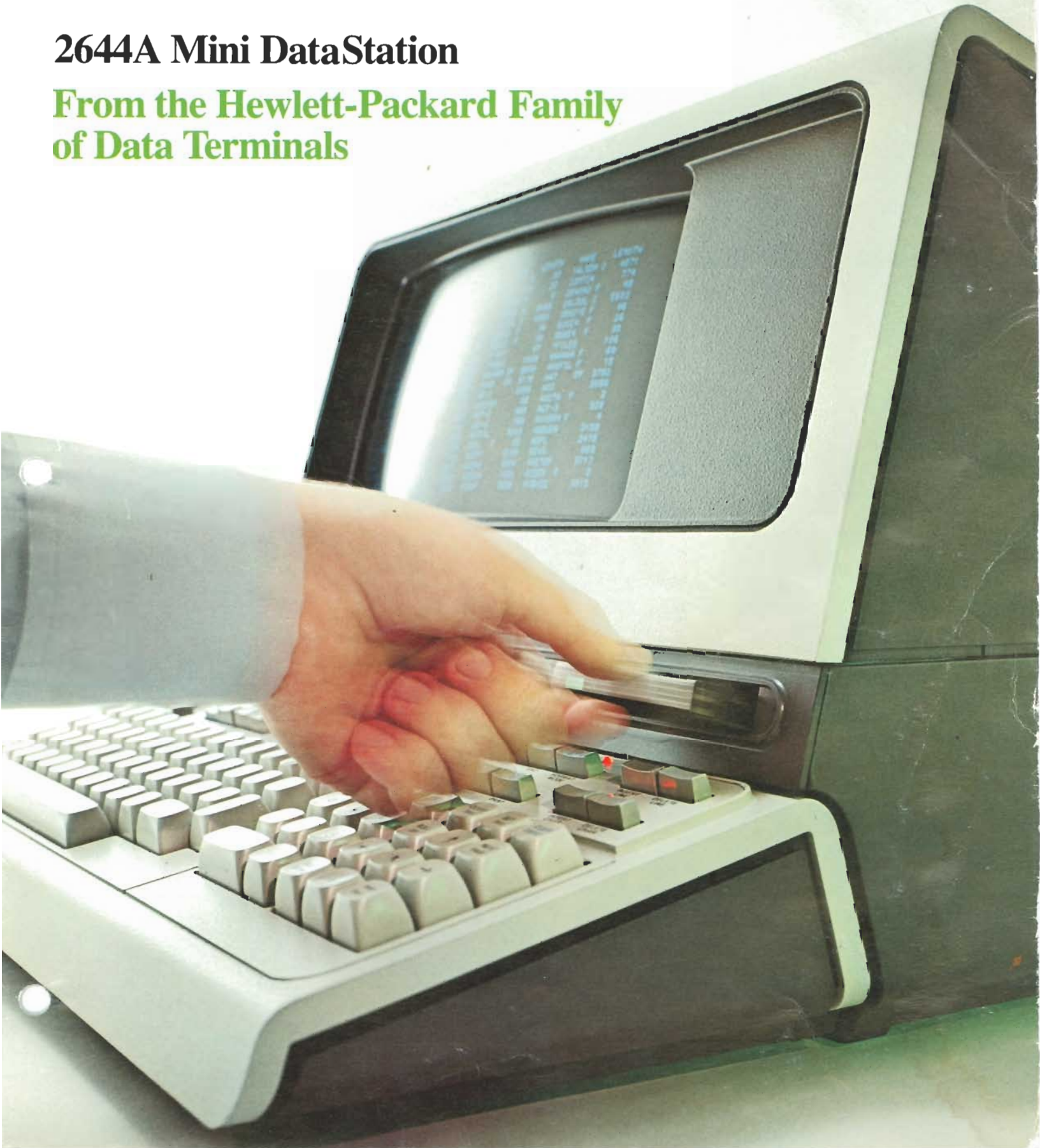


Leader in Terminal Technology

2644A Mini DataStation

From the Hewlett-Packard Family
of Data Terminals



FABRICATED STOCK DRAWING ASSEMBLY NAME

Stock No.		Specs. Drawing Number	Part Number	Drawing Title	R&D De	
xxx	yyyyy				1	
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 2644A TERMINAL  HEWLETT • PACKARD



5 MINI CARTRIDGE
OFF 015
2642A

Begin with the features of the 2640A Interactive Display Terminal

The HP 2640A Interactive Display Terminal established a new standard of excellence for CRT terminals, now enhanced by the 2644A Mini DataStation. These easy to use data terminals minimize fatigue with accurate character representation, draw real forms with the optional line drawing set, and simplify data entry with comprehensive editing features. Self-Test and pop-in modularity maintain this increased data handling efficiency by keeping the terminals *up* and *running*.

Integrate a unique pair of Mini Cartridges

Adding mass storage to the 2644A required a new concept in design for performance, reliability, and interchangeability. The shirt-pocket-size Mini Cartridge stores programs, forms, or operator entered data. This personal data storage gives the Mini DataStation access to 220,000 bytes of data.

Remarks		Mfg. Spec			
		a	b	c	d

Computer
Museum





Enhanced High Resolution Display

- Easy to read, accurate characters are generated from a 9 x 15 dot character cell with descenders and dot shifting for character curve smoothing.
- The 2644A speaks your language with the standard 64 character Roman set (optional 128) plus additional plug-in sets (Math, Line Drawing).

Modular, Microprocessor Architecture

- One chip microprocessor controls memory allocation, data communications, keyboard scanning, and Mini Cartridges.
- Plug-in modules minimize down time.
- Single button Self-Test for instant verification of terminal operation.

Character/Block Mode with Full Editing

- Teleprinter compatible operation in character mode; local data preparation in block mode.
- Efficient data correction with character insert and delete; line insert and delete.
- Off-screen storage allows use of forms over 24 lines in length.
- Programmable, protected fields for forms entry.

220 Kilobytes of Mass Storage

- 10 seconds average access time with high speed search.
- Each Mini Cartridge stores up to 110 kilobytes (formatted) in ASCII or binary data formats.
- Miniature in size (2" x 3" x 1/2"); contains precision tape guiding mechanics to assure interchangeability.
- Single motor drive means simple, high reliability mechanism.
- Single track, full width recording increases data reliability and reduces dropout sensitivity.
- Data integrity is assured with write protect lock, beginning and end of tape markers, and covered tape path.
- Unique isoelastic band controls tape tension to minimize tape wear.



and you have the Intelligent Next Step for your data handling needs . . . the HP 2644A Mini DataStation

More than a terminal with add-on storage, the 2644A has been designed from the ground up to save valuable human and computer resources. Many operations normally performed while connected to a computer system can be performed off-line with the 2644A. Program preparation, data entry, editing, tape copying, and tape to print—all off-line with the 2644A. For data entry, forms can be stored on one Mini Cartridge and selectively retrieved in seconds by pushing a single button. Entering data is made easy by the 2644A's protected fields, video high-lighting, and insert/delete facilities. Again, entered data is stored on the second Mini Cartridge by pushing a single button. Off-line or on-line, computer loading and connect time can be significantly reduced with the Mini DataStation.

For extended operations, *gold* and *green* prefix keys provide access to the 2644A's multiple data paths to allow data to be moved between any of the functional units of the Mini DataStation—cartridge, display, keyboard, printer, and data communications interface. *Prefix keys* to exercise the 2644A's full capabilities and *single keys* to execute the most common tape data transfer commands suit the 2644A to a wide variety of users and applications

Easy to Use—On-Line or Off-Line

- 8 special function keys for *on-line* computer interpretation or *off-line* high speed retrieval of cartridge data.
- Single Mini Cartridge stores many hours worth of typing.
- User interface may be identical for data entry on-line or off-line to simplify system backup.

Flexible, Powerful Computer Interface

- Multiple data paths for data transfer between all functional units.
- RS232C data communications (optional current loop); 2400 baud for ASCII data, 9600 baud for binary data output.
- Keyboard functions available remotely.
- Optional line printer or RS232C printer interface for hard copy.

Compact, Integral System

- Light, desktop unit requires no special furniture; detachable keyboard for operator convenience.
- Low power consumption provides cool operation.
- Modular construction for flexible option selection and expansion.



**Shirt-pocket Mini Cartridge Shown
Actual Size.**

On-line or off-line the 2644A keeps on working!



Hewlett-Packard, clearly an innovator, has a policy of introducing products with unique features and benefits. To make this advanced technology possible, HP maintains an unusually high dedication to research and development. In 1974, \$70,685,000 was spent on R&D. The HP 2644A is one result of this expenditure.

HEWLETT  PACKARD

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