

HP 700/44

Technical Data

PC Terminal

Terminal for Multi-User PCs

The HP 700/44 PC Terminal is designed for connection to a multi-user Personal Computer System. It offers a full-featured alphanumeric terminal with DEC VT220 emulation and PC characteristics, such as AT2 keyboard and IBM PC character set.

What is a PC Terminal?

The HP 700/44 PC Terminal was designed for alphanumeric multi-user PC environments. It can

operate in ANSI mode (as a DEC VT220 with an AT2 keyboard) or in PC keycode mode (as a terminal transmitting PC-keyboard-like key-scanning codes to the host PC). The HP 700/44 offers both the DEC VT220 and the IBM PC character sets. A user running a monochrome, alphanumeric (non-graphics) application on the HP 700/44 will use the same AT2 keyboard and see the same display (IBM character set) as if the application were running on a stand-alone PC.

Superb Ergonomics

Crisp characters are displayed on the 14-inch screen—available in soft white, amber and green phosphor. 72 Hz refresh rate enhances screen readability especially when displaying black characters on a white background. The tilt and swivel mechanism lets you position the screen effortlessly.

Worldwide Support and Service

With one of the largest worldwide networks of sales and service offices in the computer industry, Hewlett-Packard is ready to meet all your display terminal needs.



Features

Compatibility Modes

- PC Terminal
- VT220 mode, 7-bit controls
- VT220 mode, 8-bit controls
- VT100 mode
- VT52 mode

Ergonomics

- 14-inch anti-glare screen
- Green, amber or soft white phosphor
- Tilt and swivel
- Selectable 50, 60 or 72 Hz. refresh rates
- Front panel controls
- Detached adjustable keyboard

Keyboard

- IBM AT2 compatible 105-key layout
- Tactile feedback
- National language layouts available

Additional Features

- 80 or 132 column display
- IBM PC character set
- 4 pages of display memory
- RS232C and 20 mA current loop interfaces
- 9-pin RS232C bi-directional printer port
- 30 programmable function keys and compose character capability in VT220 emulation
- 75 programmable function keys in PC Term
- Easy setup menus
- Nonvolatile memory for saving setup, function key information
- Jump or smooth scrolling
- 1 year warranty

Compatibility

- HP PC Terminal
- DEC VT220, VT100, VT52

Display

- CRT: Etched anti-glare, 14 in. dia. P31 Green, P194 Amber or P188 White phosphor.
- Format: Either 24 or 25 addressable lines $\times$ 80 or 132 columns. Jump/smooth scrolling.
- Character Generation: 7 $\times$ 11 character in a 9 $\times$ 14 cell with half-dot shift. Equivalent to an 18 $\times$ 14 cell for most characters.
- Character Sets: ASCII, IBM PC, line drawing, national, and user-definable.
- Cursor: Underline (blinking), block (blinking) or disabled.
- Display Enhancements: Reverse, underline, blink, bold, double high/double wide
- Display Memory: Up to 4 pages.
- Screen Saver: 5, 10, 15 minutes or off.
- Refresh Rate: 50, 60, or 72 Hz.

Keyboard

- Style: Detached, slant adjustable, low profile, coiled cable.
- Sculptured keys, tactile feedback.
- Layout: 105 keys, IBM AT2 compatible, national layouts available.
- Function Keys: 30 user programmable keys in VT220 emulation. 75 programmable keys in PC Terminal mode.
- Operation: Auto-repeat, N-key rollover.

Data Communications

- Interface:
 - Port 1—RS232C or 20mA current loop
 - Port 2—RS232C 9-pin bi-directional printer port
- Baud Rates: 75 to 38.4K baud. Handshaking may be required.
- Handshaking: XON/XOFF
- Parity: None, odd, even, 1 or 0.

Physical Characteristics

- Display: (H $\times$ W $\times$ D): 330 mm $\times$ 330 mm $\times$ 330 mm, 8.8 Kg
- Keyboard: (H $\times$ W $\times$ D): 35mm $\times$ 468mm $\times$ 198mm, 1.85 Kg
- Keyboard Cable: Coiled 0.8m; Extended 3m

Power Requirements

- Input Voltage: 100V to 240V at 50-60 Hz.
- Power Consumption: 35 watts (average)
- Thermal Dissipation: 110 BTU/hr.

HP Computer Museum
www.hpmuseum.net

For research and education purposes only.

Environmental Conditions

- Temperature:
Operating: 0°C to 55°C
Non-operating: -40°C to 70°C
- Humidity:
Operating: 15% to 95% (40°C)
Non-operating: 90% (65°C)
- Shock: 105g, 3ms, 65 in./sec.,
½ sine
- Vibration: Operating 5-500 Hz,
.0001 g/Hz amplitude, 10
minutes/axis

Product Regulations

- Safety:
United States—UL Listed 478
Canada—CSA certified
Germany—TUV (GS) Mark
Finland—FEI approval
International—IEC 380/435
- RFI:
United States—FCC class A
Germany—VDE 0871 level B
Japan—VCCI class 1
- Datacomm:
CCITT V.24, V.28 Electrical
Recommendations Approvals
pending: Germany, UK, and
Finland.
- Ergonomics:
Germany—ZH 1/618 "Safety
Regulations for Display Work
places in the Office Sector"

Ordering Information

C1007A (amber display)
C1007G (green display)
C1007W (soft white display;
black characters on
white background)

Required Localization Options:

ABA U.S.
ABB STD. EUROPE—U.S.*
ABD GERMANY
ABE SPAIN
ABF FRANCE
ABR REP. OF S. AFRICA—U.S.*
ABU US/IRELAND
ABZ ITALY
ACC UK/IRELAND—U.S.*
ACD SWITZERLAND—U.S.*
ACE DENMARK—U.S.*
ACF JAPAN—U.S.*
ACG AUSTRALIA—U.S.*

* U.S. Keyboard, local power cord

Non-Required Warranty Option:

W03 Convert 1 year warranty
to 90 days on-site



For the sales office nearest you, call:
(800) 752-0900
Or contact one of the regional offices
below:

United States:

Hewlett-Packard Company
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