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# HP 700/32 DEC VT320 Compatible Terminal

## Technical Data

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### ANSI from HP

The HP 700/32 Display Terminal is the preferred choice for your ANSI applications, especially when DEC VT320 emulation is required. The HP 700/32 combines Hewlett-Packard's renowned engineering capabilities with VT320 terminal compatibility.

### Designed for Compatibility

The HP 700/32 is plug compatible with the DEC VT320, and works with applications that are designed for DEC VT220, VT100 and VT52 terminals as well. You won't have to learn a new keyboard to use the HP 700/32, since its layout is the same as the DEC VT320 terminal. And the HP 700/32 offers both DEC423 and RS232 connectivity. In addition, the HP 700/32 offers superior functionality with its 60 programmable function keys via a user's menu, 44 and 55 line display capability and up to four pages of display memory.

### Superb Ergonomics

The HP 700/32 has high resolution characters that are displayed on a fully overscanned 14-inch screen—available in page white, amber and green phosphor. Page white full overscan provides an easy-to-read borderless

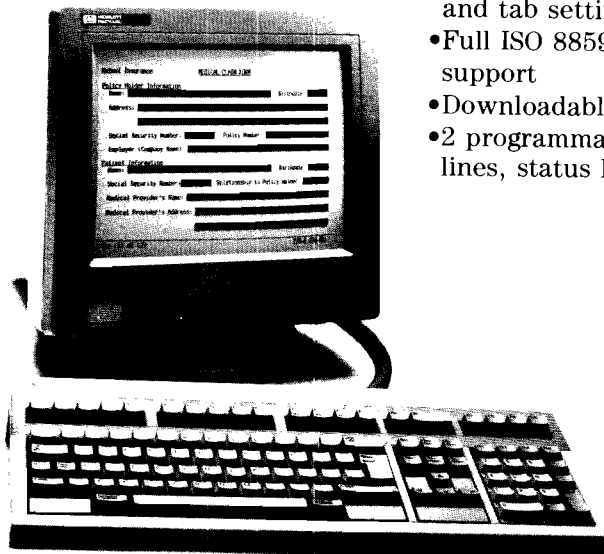
full screen. The high 72 Hz refresh rate reduces flicker and enhances readability especially when displaying black characters on a white background. The HP 700/32's keyboard has tactile feedback for a responsive touch. And the tilt and swivel mechanism allows you to position the screen effortlessly.

### Worldwide Service

You can feel confident that, with one of the largest worldwide networks of sales and service offices in the computer industry, HP is ready to meet all your display terminal needs.

### Features

- Page white, amber or green phosphor
- Full overscan display
- 72 Hz refresh rate
- DEC VT320 compatible keyboard layout
- 80 or 132 column display
- 27, 44 or 55 line display
- Up to 4 pages of display memory
- RS232C and DEC423 interfaces
- Bidirectional printer port
- User friendly setup menus
- Menu for programmable keys
- Nonvolatile memory for saving setup menus, programmable key definitions and tab settings
- Full ISO 8859-1 Latin support
- Downloadable character set
- 2 programmable message lines, status line



## Compatibility

- Plug compatible with the DEC VT320. Emulation modes include VT320 (VT220), VT100 and VT52.

## Display

- CRT: Etched anti-glare, 14 in. dia., P31 Green, P194 Amber or P188 Page White phosphor.
- Format: 24, 41 or 52 data lines × 80 or 132 columns. 2 additional programmable message lines and one status line. Message and status lines may be used for data. Jump/smooth scroll.
- Character Generation: 14×13 character in a 20×16 cell (80 column, 27 line mode).
- Character Sets: ASCII, ISO Latin 1, line drawing, national and user-definable.
- Cursor: Underline (blinking/static), Block (blinking/static) or disabled.
- Display Enhancements: Reverse, underline, secret, 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 with tactile feedback.
- Layout: 106 key, VT320 compatible, national layouts available.
- Function Keys: 60 user programmable keys.
- Operation: Auto-repeat, N-key rollover.

## Data Communications

- Interface: Port 1—RS232C or DEC423 Port 2—DEC423 6-pin printer port
- Baud Rates: 300 to 38.4k. Handshaking may be required.
- Handshaking: Port 1—XON/XOFF, DTR, CTS, CD, DSR Port 2—XON/XOFF, DTR, DSR
- Parity: None, odd, even, mark and space.

## Physical Characteristics

- Display: (H×W×D): 330 mm × 330 mm × 330 mm, 8.8 Kg
- Keyboard: (H×W×D): 35mm × 468 mm × 198 mm, 1.85 Kg
- Keyboard Cable: Coiled: 0.8m, Extended: 3.0m

## Power Requirements

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

## Environmental Conditions

- Temperature: Operating: 0°C to 55°C Non-operating: -40°C to 70°C
- Humidity: Operating: 15% to 95% relative humidity at 40°C Non-operating: 90% relative humidity at 65°C
- Shock: Operating: 105 g, <3ms, 65 in./sec., ½ sine
- Vibration: Operating: 5-500 Hz, .0001 g<sup>2</sup>/Hz amp., 10 min./axis

## Product Regulations

- Safety: United States—UL Listed  
Canada—CSA Certified  
Germany—Safety (GS)  
Finland—FEI approval pending  
International—IEC 380/435/950

## RFI:

- United States—FCC Class A
- Germany—VDE 0871 Level B  
Mark pending
- Japan—VCCI Class 2
- DATACOMM: CCITT V.24, V.28  
Electrical Recommendations  
Approvals pending: Belgium, Germany, UK and Nordic Network
- Ergonomics: Germany ZH 1/618  
“Safety Regulations for Display Work places in the Office Sector”

## Warranty

- 1 year return-to-HP

## Ordering Information

- C1017A (amber display)
- C1017G (green display)
- C1017W (page white display)

## Required Localization Options:

- ABA UNITED STATES
- ABC CANADA-French
- ABG AUSTRALIA—U.S.\*

\*U.S. Keyboard, local power cord

Contact your local sales representative for additional localization options.

## Non-required warranty option:

W03 Convert 1 year warranty to 90 days on-site



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