

HP 700/96 and 700/98 Ergonomic Terminals for HP 3000 Systems

Technical Data

HP Terminals

Ergonomic Design

The HP 700/96 and 700/98 Ergonomic Terminals offer significant improvements in ergonomics and display quality. These improvements are designed to reduce user fatigue and provide a safer work environment.

provides a borderless full screen as easy to read as a printed page. Its high 72 Hz refresh rate reduces flicker and enhances screen readability, especially when displaying black characters on a white background. Choose a soft white, amber, or green display.

Users can choose the most comfortable working position. The low profile keyboard is detached with an adjustable slant. Controls are easily accessed from the front panel. And, the tilt and swivel mechanism lets you position the screen effortlessly.

Superior Display

A new display reduces potential VDT eye strain. High resolution characters are displayed on a fully overscanned 14-inch screen. Page white full overscan

Comfortable and Convenient

The HP 700/96 and 700/98 are also designed to reduce the risk of repetitive stress injuries. The sculptured keys have tactile feedback for a responsive touch.

Safer Work Environment

The HP 700/96 and 700/98 meet the most stringent regulatory and safety standards. Additionally, the 700/96ES and 700/98ES products are fully compliant with the MPR 1990:10 recommendations for reduced low frequency electrostatic and electromagnetic emissions.

Designed for Your HP 3000

Upgrading to the HP 700/96 and 700/98 is quick and easy as they are fully compatible with previous HP 3000 terminals. They were designed especially to take advantage of block mode communications in software packages like the popular VPLUS/3000. Block mode operation significantly increases HP 3000 system performance by reducing terminal processing overhead.



HP Quality and Support

The HP 700/96 and 700/98 have the quality that customers expect from HP. These products utilize a single-board design which minimizes hardware failures and provides a very high degree of reliability. And, they are fully supported by HP's worldwide support organization, recognized throughout the industry as a leader in customer support.

HP 700/96

The HP 700/96 offers 8 pages of display memory to increase productivity and both serial and parallel printer ports for printing your files locally. The 700/96 also has selectable 80 or 132 column display modes, data transmission rates up to 38.4K baud, and DEC VT220 terminal compatibility.

HP 700/98

A superset of the HP 700/96 Display Terminal, the HP 700/98 adds advanced capabilities to make your work easier and improve the performance of your HP 3000 computer applications. The HP 700/98 stores an average of 25 forms locally, circumventing the traditional method of downloading forms repeatedly from the host computer. In addition, the HP 700/98's local edit checks, modified data tag, and 16 pages of display memory reduce costly host communication traffic.

Features

- 14-inch anti-glare screen
- White, green, or amber phosphor
- High resolution display
- Full overscan
- 72 Hz refresh rate
- HP 700/9x, 239x compatibility
- VT220, VT100, and VT52 mode
- Up to 38,400 baud rate
- Serial and parallel printer ports
- 16 pages of display memory (8 pages on HP 700/96)
- Forms cache, local edit checks, modified data tag (700/98 only)
- 80/132 column display
- Smooth or jump scrolling
- Insert/delete character with wraparound
- 94 downloadable characters
- Easy setup menus
- Nonvolatile memory saves setup, function key information
- Tilt and swivel
- Front panel controls
- Detached adjustable keyboard
- 8 function keys (16 shiftable)
- 17 national language layouts
- Auto-sensing power supply
- 1 year warranty

Display

CRT	Etched anti-glare, 14-inch diameter Green, Amber or White phosphor
Format	24 lines by 80 or 132 column; 25th, 26th lines for labels; 27th line for status; jump/smooth scroll
Character Generation	7 by 13 character in a 10 by 16 cell with half-dot shift; equivalent to 14 by 13 character in a 20 by 16 cell for most characters
Character Sets	ASCII, National and line drawing
Cursor	Underline (blinking/static), Block (blinking/static), or disabled
Display Enhancements	Inverse, underline, blinking, halfbright, security video
Display Memory	Up to 8 pages (700/96); up to 16 pages (700/98)
Forms Cache	Up to 130 blocks of 256 bytes each (700/98 only)
Screen Saver	5, 10, 15 minutes or off
Refresh Rate	50, 60, or 72 Hz
Editing	Insert/delete character with wrap, insert/delete line, clear line/all 11 Local Edit checks (700/98 Only) Modified Data Tag (700/98 Only)

Keyboard

Style	Detached, slant adjustable, low profile, coiled cable
Touch	Sculptured keys, tactile feedback
Layout	109 key, separate cursor and numeric pads 17 national layouts
Function Keys	8 screen-labeled user-definable, shiftable to 8 pre-defined functions; labels and definitions are saved in non-volatile memory
Operation	Auto-repeat, N-key rollover

HP Computer Museum
www.hpmuseum.net

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Data Communications

Interfaces	Serial Port 1 - RS232C/422 (25 pin) Serial Port 2 - RS232C (9 pin) bi-directional printer port interface Parallel Port - Centronics (25 pin)
Baud Rates	75 to 38.4k; handshaking may be required
Handshake	Serial Port 1 - ENQ/ACK XON/XOFF, CS Serial Port 2 - XON/XOFF, CS, SRR
Parity	None, odd, even, 1 or 0
Operating Modes	Character, block, format, VT220, VT100, VT52

**Physical Characteristics**

	Weight	Height	Width	Depth
Display	8.8 kg 19.5 lb	330 mm 13 in	330 mm 13 in	330 mm 13 in
Keyboard	1.85 kg 4.1 lb	35 mm 1.4 in	468 mm 18.4 in	198 mm 7.8 in
Keyboard Cable	Coiled 0.8 m (2.7 ft.), Extended 3 m (9.8 ft.)			

Environmental Conditions

	Operating	Non-Operating
Temperature	0°C to 55°C (32°F to 132°F)	-40°C to 70°C (-40°F to 158°F)
Humidity	15% to 95% (40°C)	90% (65°C)
Altitude	0 to 4,600 meters (0 to 15,000 ft.)	0 to 15,300 meters (0 to 50,000 ft.)
Shock	105 g, 3 ms, 65 in./sec., 1/2 sine	
Vibration	Operating: 5-500 Hz, .0001 g2/Hz amp., 10 min./axis	
Input Voltage	100-120V to 220-240V at 50-60 Hz	
Power Consumption	35 watts (avg.) Thermal Dissipation 110/BTU/hour	

Product Regulations

Safety	UL listed, CSA certified, TUV GS mark, EN60950, SET1, NOM, NEMKO, UNE compliant
EMI	FCC Class A, EN55022 Class B, VCCI Class 2 Models C1084W and C1085W conform to MPR 1990:10 (2.01-2.04)
EMC	EN55101-2, EN55101-3
Datacomm	Germany, Australia
Ergonomics	ZH1/618 "Safety Regulations for Display Work Places in the Office Sector"; complies with ISO 9241-3
Acoustics	LpA<25db

Ordering Information

C1064A	700/96 (amber display)
C1064G	700/96 (green display)
C1064W	700/96 (white display)
C1084W	700/96 (low emissions with white display)
C1065A	700/98 (amber display)
C1065G	700/98 (green display)
C1065W	700/98 (white display)
C1085W	700/98 (low emissions with white display)

Localization Options:
(Required to order one)

ABA	U.S.
ABB	Std. Europe - U.S.*
ABC	Canada-French
ABD	Germany
ABE	Spain
ABF	France
ABG	Australia-U.S.*
ABH	Netherlands
ABL	Canada-English
ABM	Latin America
ABN	Norway
ABP	Switzerland-German
ABQ	Switzerland-French
ABR	Rep. of South Africa-U.S.*
ABS	Sweden
ABU	UK/Ireland
ABW	Belgium-Flemish
ABX	Finland
ABY	Denmark
ABZ	Italy
ACC	UK/Ireland-U.S.*
ACD	Switzerland-U.S.*
ACE	Denmark-U.S.*
ACF	Japan-U.S.*

* U.S. Keyboard, local power cord

Warranty Option:

W03	Convert 1 year warranty to 90 days on-site
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Cable Accessories:

40242M	US/European modem (25/25 pin cable)
40242X	RS-232 direct connect (25/9 pin cable)
40242P	RS-422 direct connect (25/5 pin cable)
40242G	RS-232C printer (25/25 pin cable)

Note: All cables provide RFI filtering. The 700/96 and 700/98 comply with RFI regulations only when used with these cables.

For more information, call your local HP sales office listed in your telephone directory or an HP regional office listed below for the location of your nearest sales office.

United States:

Hewlett-Packard Company
4 Choke Cherry Road
Rockville, MD 20850
(301) 670-4300

Hewlett-Packard Company
5201 Tollview Drive
Rolling Meadows, IL 60008
(312) 255-9800

Hewlett-Packard Company
5161 Lankershim Blvd.
No. Hollywood, CA 91601
(818) 505-5600

Hewlett-Packard Company
2015 South Park Place
Atlanta, GA 30339
(404) 955-1500

Canada:

Hewlett-Packard Ltd.
6877 Goreway Drive
Mississauga, Ontario L4V 1M8
(416) 678-9430

Japan:

Yokogawa-Hewlett-Packard Ltd.
15-7, Nishi Shinjuku 4 Chome
Shinjuku-ku
Tokyo 160, Japan
(03) 5371 1351

Latin America:

Hewlett-Packard
Latin American Region Headquarters
Monte Pelvoux No. 111
Lomas de Chapultepec
11000 Mexico, D.F. Mexico
(525) 202-0155

Australia/New Zealand:

Hewlett-Packard Australia Ltd.
31-41 Joseph Street
Blackburn, Victoria 3130
Melbourne, Australia
(03) 895 2895

Far East:

Hewlett-Packard Asia Ltd.
22/F Bond Centre, West Tower
89 Queensway
Central, Hong Kong
8487777

DEC VT220, VT100, and VT52 are
products of Digital Equipment
Corporation.

In Europe, please call your local HP sales office or representative:

**Austria, East Central Europe, and
Yugoslavia:**

(0222) 2500 0

Belgium and Luxembourg:

Customer Information Center
(02) 761 34 00

Denmark:

(02) 81 66 40

Finland:

(0) 88 721

France:

(1) 69 82 60 60

Germany:

(06172) 16 0

Greece:

(01) 68 28 11

Iceland:

(01) 67 10 00

Switzerland:

(057) 31 21 11 (Head Office)
(022) 780 41 11 (Suisse Romande)
(046) 05 15 05 (Customer Information
Center)

South Africa:

HiPerformance Systems
(011) 802 5111

Turkey:

175 29 70

UK:

(0344) 369 369

Middle East and Africa:

Geneva, Switzerland
41/22 780 7111

European Headquarters:

Hewlett-Packard S.A.
150, Route du Nant d'Avril
1217 Meyrin 2
Geneva, Switzerland
41/22 780 8111

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