

HP 700/70 Windowing Terminal for UNIX Systems

Technical Data

Multi-Session Windowing at the Price of a Text Terminal

The HP 700/70 solution provides:

- Increased productivity through mouse-driven windowing interface
- A platform that runs existing UNIX® applications unmodified
- An exceptionally reliable ergonomic display
- A complete solution — including host window management software



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The HP 700/70 Windowing Terminal solution improves user productivity through multi-session windowing for text applications, superior ergonomic design, and exceptional reliability.

Powerful windowing interface

The HP 700/70 Windowing Terminal allows users to run multiple application sessions in different windows, easily switch between applications, and integrate information between applications. By pointing and clicking a mouse, windows can be opened or closed, overlapped, scaled up or down, panned or scrolled. The HP 700/70 can access a single host or multiple hosts networked together.

The HP 700/70 incorporates the most popular features of the more expensive windowing systems including pull-down menus, scroll bars, icons, and copy-and-paste. It also has additional features to enhance ease of use, such as hot-keying between sessions, zoom a window to a full screen display, customization of pull-down menus, notification of off-screen activity, automatic application execution at login, and a clock.

Industry standard

The HP 700/70 solution is compliant with the industry-standard specification for windowing text terminals and is compatible with host-based window-management software available from multiple vendors. A license-to-use Structured Software Solutions, Inc.

(SSSI) FacetTerm window manager software is included with each HP 700/70. The HP 700/70 is supported on UNIX hosts including HP 9000 Series 800, IBM, SUN, DEC, SCO and any other Intel® SRV4 platform.

Complete solution

The HP 700/70 is a complete windowing solution. Every HP 700/70 includes: choice of 14" display (amber, green or white), PC-AT or ANSI-style keyboard, and license-to-use FacetTerm window manager software (media available through HP).

Compatible with existing environment

The HP 700/70 windowing system is fully compatible with existing text terminal environments. Character-based UNIX applications using DEC VT (ANSI) emulations can be windowed on the HP 700/70 without modification. The HP 700/70 also uses existing RS-232 serial wiring, eliminating the need for costly network upgrades.

Superior display

The HP 700/70 ergonomic display features full-screen overscan technology and resolution enhancement for larger, higher resolution characters. The high, 72-Hz refresh rate reduces flicker and enhances screen readability. And, for additional safety, the HP 700/70ES supports the stringent Swedish MPR II guidelines for reduced electrostatic, x-radiation, and low frequency electromagnetic emissions.

Easy upgradeability

The HP 700/60 and HP 700/70 terminals have a ROM card door in

the front that facilitates easy upgrades. The popular HP 700/60 can be upgraded to a HP 700/70 using an inexpensive kit that includes a ROM card, serial mouse and license-to-use window management software. Future enhancements to the HP 700/70 will be offered as ROM card upgrades.

HP quality and support

The HP 700/70 has the quality customers expect from HP. It utilizes a single-board design which minimizes hardware failures and provides a high degree of reliability. It's supported by HP's worldwide support organization, recognized throughout the industry as a leader in customer support.



Provides multi-session windowing interface with popular features such as minimize/maximize and cut & paste

High resolution, easy-to-read display

Compatibility with existing UNIX text applications

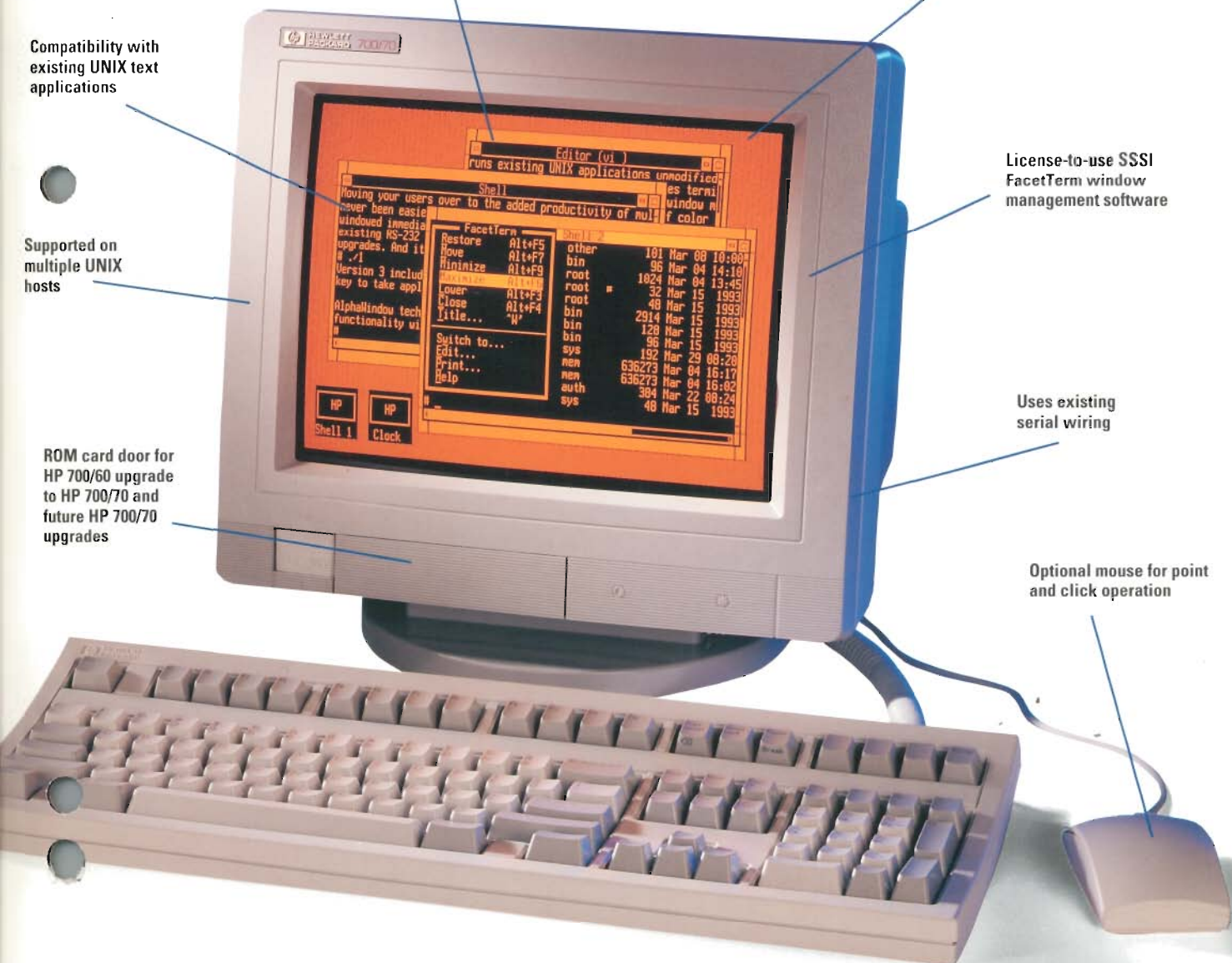
License-to-use SSSI FacetTerm window management software

Supported on multiple UNIX hosts

Uses existing serial wiring

ROM card door for HP 700/60 upgrade to HP 700/70 and future HP 700/70 upgrades

Optional mouse for point and click operation



Technical Specifications

Supported UNIX hosts

- HP9000 Series 800 HP-UX 9.x
- IBM RS/6000 AIX 3.2
- SCO UNIX 3.2v4.0
- SUN Sparc Solaris 4.13
- Digital Equipment 5000 Ultrix 4.2
- Any Intel SRV4 platform

Windowing	DEC VT320, VT220, VT100, VT52
Emulation	Display Industry Association (DIA) AlphaWindow standard compliant (levels 1, 2, 3, and 4)
Standards	Up to 6 windows running different applications simultaneously displayed, or single session mode
Number	Point and click with mouse or through keyboard
Control	Scaled up or down, panned or scrolled
Sizing	Pull-down menus, icons
Selection	License-to-use SSSI FacetTerm 3 software (included)
Host manager	
Display	
CRT	Etched anti-glare, 14 in. dia. soft white, green or amber phosphor
Format	24, 25, 42, 43, addressable lines X 80 or 132 columns; jump/smooth variable speed scroll
Character generation	7 X 13 character in a 10 X 16 cell with half-dot shift; equivalent to 20 X 16 cell for most characters
Character sets	ASCII, IBM PC, ISO 8859-1, DEC UPSS/Special Graphics
Cursor	Underline (blinking), block (blinking) or disabled
Display enhancements	Reverse, underline, blink, bold, double high/double wide
Display memory	Compatible with VT320
Screen saver	5, 10, 15 minutes or off
Refresh rate	50, 60 or 72 Hz
Keyboard	
Style	Detached, adjustable slant, low profile, coiled cable
Touch	Sculptured keys, tactile feedback
Layout	IBM AT2 or DEC VT320 compatible national layouts available
Programmable keys	
VT 320 Mode	60 function keys programmable from the host.
Data communication	
Interfaces	Serial Port 1 - RS232C/422 (25-pin) bidirectional Serial Port 2 - RS232C (9-pin) bidirectional - mouse port Parallel Port - Centronics
Baud Rates	300 to 38.4 K baud; handshaking may be required
Handshaking	XON/XOFF, DTR, NONE, XOFF at 64 and 128, DSR, DTR/XOFF at 64 and 128
Parity	None, odd, even, 1 or 0
Dimensions	
Display	330 mm X 330 mm X 330 mm (13 X 13 X 13 in.), (H x W x D) 8.8 Kg (19.5 lbs.)
Keyboard	31 mm X 468 mm X 186 mm (1.2 X 18.4 X 7.3 in.), (H x W x D) 1.11 Kg (2.44 lbs.)
Power requirements	
Input voltage	100-120 V to 220-240 V at 50-60 Hz
Power consumption	35 watts (average)
Thermal dissipation	110 BTU/hr.
Environmental conditions	
Temperature	Operating 0°C to 55°C (32°F to 131°F) Non-Operating - 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 (15,000 ft.) 0 to 15,300 meters (50,000 ft.)
Shock	105 g, 3 ms, 65 in./sec., 1/2 sine
Vibration	Operating 5-500 Hz, .0001 g/Hz amplitude, 10 minutes/axis
Product regulations	
Safety	UL listed - CSA/NOM certified - TUV GS mark, EN60950
EMI	FCC Class A - FTZ 1046/84 level B - EN55022 Class B Model C1094W conforms to MPR 1990:10(MPR II) - 2.01-2.04 prEN55101-2 prEN55101-3
EMC	Germany, Australia
Datacom	ZH1/618
Ergonomics	LpA<25db
Acoustics	

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For more information - contact your local HP sales office or HP Authorized Reseller.

Ordering information

HP 700/70 includes display, PC-AT keyboard (see below for ANSI), license-to-use FacetTerm software, manual power cord and one year return-to-HP warranty. Must order language option. Order one media kit per site. Mouse is recommended.

Part number	Description
C1093A	Amber display
C1093G	Green display
C1093W	Soft white display
C1094W	MPR II compliant - soft white display
Opt. UL3	Add serial mouse

Option	Language
ABA*	United States
ABB*	Standard Europe - U.S. English
ABD	Germany
ABE*	Spain
ABF*	France
ABG	Australia
ABM	Latin America
ABN	Norway
ABP	Switzerland-German
ABQ	Switzerland-French
ABR	Rep. of South Africa-U.S. English
ABS	Sweden
ABU*	United Kingdom
ABW	Belgium-Flemish
ABY	Denmark
ABZ*	Italy
ACC	United Kingdom-U.S. English
ACD	Switzerland-U.S. English
ACE	Denmark-U.S. English
ACV*	German - DIN (ANSI only)
1A2	Delete Keyboard Kit

HP 700/70 Media Kit

C1096A	HP 700/70 Media Kit for HP9000 Series 800 - DAT (or access HP-UX Application Update on CD-ROM)
C1097A	HP 700/70 Media Kit for IBM RS/6000, SUN Sparc, SCO UNIX, Intel SRV4 - 3.5" floppy disks
C1098A	HP 700/70 Media Kit for Digital Equipment 5000 - Cartridge tape

Related HP 700/70 products

C1081C	PC-AT style keyboard kit. (language option required)
C1082C	ANSI style keyboard kit. Order option 1A2 with C1093A,G,W or C1094W to delete PC-AT keyboard kit. Language options available noted with an (*) above
C1095A	HP 700/60 to HP 700/70 upgrade kit. Includes ROM module, mouse, users manual and license-to-use software
C3370A	Serial Mouse

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