
HP 700/X Family of X Window Graphics Terminals

Product Family Brief

Introduction

The HP 700/X family of X Window graphics terminals are high-quality network display stations based on the industry-standard X Window System.

When included as components of engineering, manufacturing, or business solutions, the HP 700/X terminals can substantially lower the overall system price by providing a cost-effective means of adding more user seats on the network.

The HP 700/X terminals are a high-end addition to the HP 700 Series family of terminals and complement the HP/Apollo family of workstations.

The HP 700/X family of X Window graphics terminals fill the price, performance, and functionality gap between office terminals and workstations. They reinforce HP's commitment to industry standards and are a key component in HP's Cooperative Computing Environment strategy.



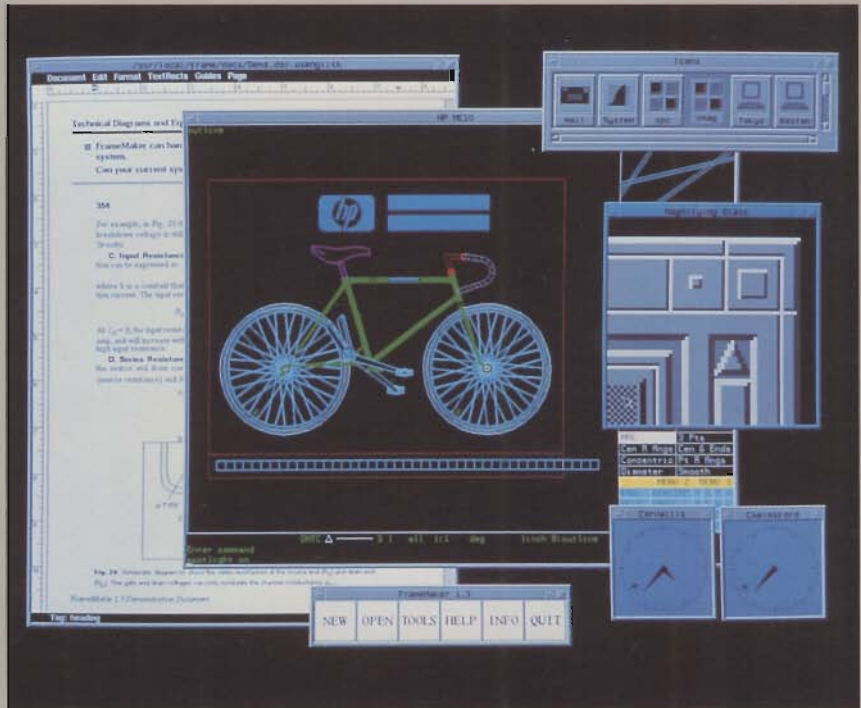
Features and Benefits

- Support the industry-standard X Window System Version 11
- Operate in environments that include multivendor systems
- Connect and communicate over standard Ethernet networks
- No local UNIX-system administration required by user
- Provide interactive access and display of multiple applications
- Support low to high-resolution 2D color graphics and 16 level gray scale applications
- Deliver X-server performance comparable to entry-level workstations
- Easy to install and maintain

Network Access to Multiple Applications

The HP 700/X terminals provide the user with interactive and shared access to applications, information, and compute resources across different computers on a network.

Multiple applications based on the X Window System can be displayed on an HP 700/X terminal. Applications available today from HP and value-added business (VAB) partners range from mechanical and electrical design packages and software-engineering tools to industrial automation, medical and business solutions. Applications not based on the X Window System protocol can also be accessed through terminal emulators and displayed in windows on an HP 700/X terminal.



Applications such as HP ME10v and FrameMaker[®] can be displayed in multiple windows on an HP 700/X terminal.

Optimized Graphics Performance

The HP 700/X terminals are based on the X Window System Version 11, Release 3. The terminals come standard with 1 Mbyte of RAM expandable to 4 Mbytes, and support 16 colors from a palette of 4096 or up to 16 levels of gray-scale.

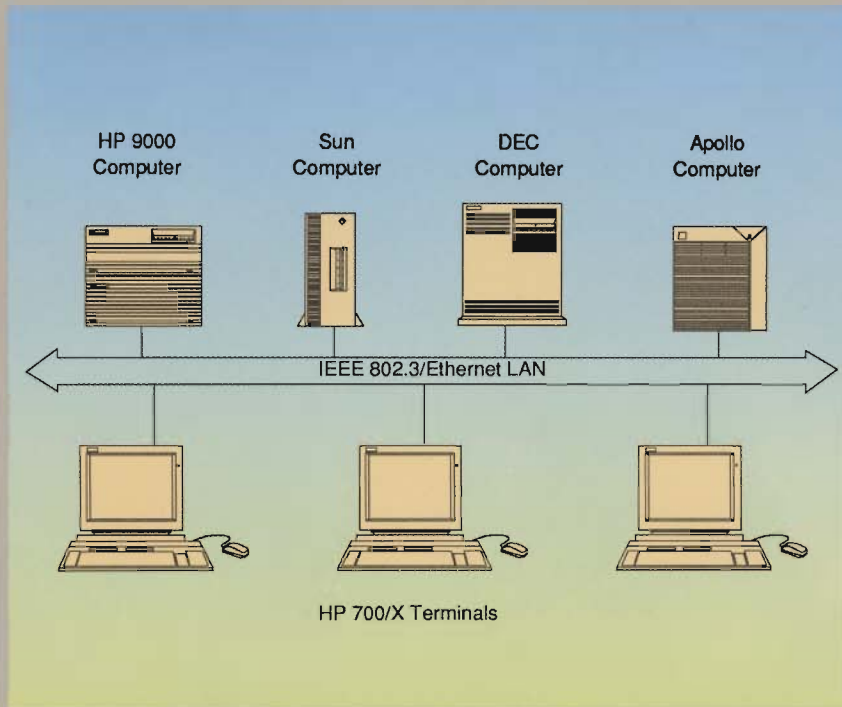
The HP 700/X terminals deliver performance comparable to entry-level (2 - 3 MIP-rated) workstations configured as an X11 server. They provide high-speed 2D graphics throughput by using a dedicated graphics processor to execute X Window

System server instructions, and a co-processor to efficiently handle network communications, keyboard entry, and mouse tracking.

Performance-enhancing features of the X Window System such as backing-store and save-under are included with the HP 700/X terminals. These features reduce host system overhead by offloading remote computers from recalculation and retransmission of overlaid graphic windows.

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Operate in Multivendor Environments

The HP 700/X terminals are designed to operate in multivendor networked environments consisting of computer systems from HP/Apollo, SUN Microsystems, Digital Equipment Corporation, and others.

The terminals connect directly to an IEEE 802.3/Ethernet local area network and are initialized by downloading the X Window server code from a disk-based workstation.

The HP 700/X terminals include a BNC port for direct connection to ThinLAN networks, and an AUI port for connection to ThickLAN or StarLAN 10 networks by means of an external media-access unit.

The HP 700/X terminals provide a cost-effective means of adding more user seats on a multivendor network.

Variety of Bundled Configurations

The HP 700/X terminals are available in a variety of bundled configurations to meet a range of different user needs.

The HP 700/X standard configurations include a bit-mapped graphics monitor, a local-language keyboard, a three-button mouse, and a high-performance X Window System server processing unit.

Color bundled configurations of the HP 700/X terminals include a 14-inch monitor with 640 × 480 VGA pixel resolution, or a

16-inch monitor with 1,024 × 768 pixel resolution. The HP 700/X terminals also support 19-inch and 20-inch color monitors with 1,024 × 768 resolution.

The HP 700/X monochrome bundled configuration includes a 17-inch monitor with 1,024 × 768 pixel resolution that supports up to 16 levels of grayscale.

* *UNIX is a registered trademark of AT & T in the U.S.A. and other countries.*

* *X Window System is a trademark of the Massachusetts Institute of Technology.*

* *FrameMaker is a registered trademark of Frame Inc.*

For more information

call your local HP sales office listed in your telephone directory or call an HP regional office below for the location of the 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
2015 South Park Place
Atlanta, GA 30339
(404) 955-1500

Hewlett-Packard Company
5161 Lankershim Blvd
North Hollywood, CA 91601
(818) 505-5600

Canada:

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

Europe/Africa/Middle East:

Hewlett-Packard S.A.
Central Mailing Department
P.O. Box 529
1180 AM Amstelveen
The Netherlands
(31) 20/547 9999

Australia/New Zealand:

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

Japan:

Yokogawa-Hewlett-Packard Ltd.
29-21, Takaido-Higashi, 3-chome
Suginami-ku, Tokyo 168
(03) 331-6111

Far East:

Hewlett-Packard Asia Ltd.
Bond Centre, 22nd Floor
West Tower
Queensway, Central
Hong Kong
(5) 848-7777

Latin America:

Hewlett-Packard de Mexico
Sp.A. de C.V.
Monte Pelvoux No. 111
Lomas de Chapultapec
11000 Mexico, D.F. Mexico
(905) 596-7933