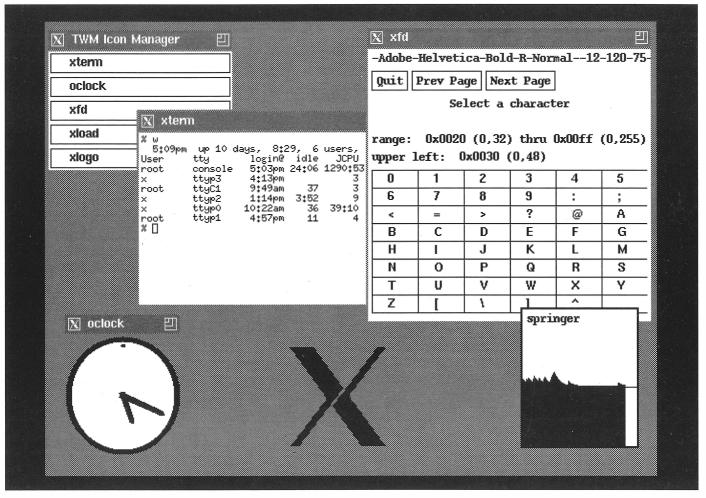
X Window System M 2.1 for A/UX



Overview

Apple Computer's implementation of X Window System[™], Version 11, Release 4 for the A/UX[®] operating system provides two distinct products: X11 and MacX[™].

The first, X11, delivers a native X Window System environment that is well-suited for technical users and software developers. X11 provides a full development environment, including X programming libraries, the X Toolkit intrinsics, and the Athena Widget Set. The second, MacX, allows X applications to share the A/UX software Finder[™] desktop with Macintosh[®] and UNIX[®] applications. With MacX, users can open frequently-used X client applications by just choosing a command from a Macintosh pull-down menu.

Both X11 and MacX allow users to take advantage of the highly portable, network-transparent X Window System. The X Window System is the result of years of development work by researchers from the computer industry and from the Massachusetts Institute of Technology (MIT).

Apple Computer's X Window System for A/UX complies with the standards and conventions set by the MIT X Consortium.



X11 for A/UX

Environment

► X11 for A/UX offers the native X Window System environment with the improved performance of the X Window System, Version 11, Release 4 server. X11 controls the display and does not allow access to the A/UX Finder.

Network transparency

► X11 client applications can reside on any system on the network—on a local computer or a remote host computer. The applications can also be displayed on a local or remote system.

X libraries and applications

► Standard libraries, standard include files, applications, and utilities are provided for X client application development. These include libX11, libXau, libXaw, libXdmcp, libXext, libXinput, libXmu, libXt, and liboldX.

► X11 display font families include Charter, Clean, Courier, Helvetica[®], Lucida, New Century Schoolbook, Symbol, and Times[®].

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Screen options

► X11 supports both monochrome and 8-bit color video cards and displays. The 8-bit color option allows simultaneous display of up to 256 colors or shades of gray from a palette of 16 million colors.

Documentation

► X11 documentation includes X11 User's Guide for A/UX, which describes how to use X11; and two reference guides, X11 Command Reference for A/UX and X11 Programmer's Reference for A/UX, which describe command usage and the programming libraries.

MacX for A/UX

Environment

► MacX allows X client applications to share the A/UX Finder with multiple Macintosh and UNIX applications. MacX is appropriate for novice and experienced users alike.

Documentation

► MacX documentation includes *MacX User's Guide*, which describes how to use MacX features. ► *MacX for A/UX Supplement* describes how to use the MacX server in the A/UX Finder environment.

Required equipment

To use the X Window System for A/UX, you'll need the following:

► Macintosh IIfx, Macintosh IIci, Macintosh IIx, Macintosh IIcx, Macintosh IIsi, or Macintosh SE/30 personal computer; or Macintosh II with PMMU ► At least 4 megabytes of RAM (5 megabytes recommended)

► Apple 80-megabyte (or larger) hard disk or the equivalent (160 megabytes recommended)

► A/UX operating system Version 2.0, A/UX Version 2.0.1, or later versions

Optional equipment

► Optional: an Apple® EtherTalk® NB Card for the Macintosh II family of computers, or an equivalent Ethernet card for the Macintosh SE/30 (the use of Ethernet is recommended)

Features

Benefits

X11 for A/UX

| ► X Window System, Version 11, Release 4 server | Optimizes graphics performance and memory usage | |
|---|---|--|
| ► Native X Window System user environment | ► Provides X Window System environ- ment suitable for displaying client applica- tion running on other hardware platforms | |
| ► Complete X11 Release 4 development tools | ► Allow users to develop X applications using the Xlib library and the Xtk Toolkit | |
| ► Sample widget set | ► Includes MIT Athena Widget Set, suitable for customization | |
| ► X Window System, Version 11, Release 4 client applications | Provides desktop client applications, such as oclock and xcalc; utilities, such as xterm (X terminal emulator); and development tools | |
| ► Support for 1-bit black-and-white display, and 256-color display with an 8-bit video card | • Permits display of X client applications on any monitor connected to an A/UX system | |
| ► Support for multiple-screen display | ► Lets users display an X client applica- tion on any monitor connected to an A/UX system | |
| ► User and reference manuals | ► Provide documentation on using Apple Computer's X Window System for A/UX | |
| | Provide reference pages that describe X11 commands, client applications, and programming libraries | |
| MacX for A/UX | | |
| ► A/UX Finder integration | ► Lets users run X client applications, Macintosh productivity applications, and UNIX applications concurrently on A/UX | |



| Technical Specifications | X11 for A/UX | | | |
|--------------------------|---|--|---|--|
| | Environment Network transparency Color support Support for "backing store" and "save under" features that dramatically improve window system performance Window manager User control of screen configuration and customization | Ability to manage multiple screens (using twm) from a single window manager process Client applications All client applications are based on X11 Release 4 Terminal emulator with DECTM VT102TM and Tektronix 4014 compatibility (xterm) Mouse-based screen editor (xedit) Manual page browser (xman) | Bitmapped image manipulation utilities, including conversion from screen image to PostScript® format (bitmap, xdpr, xwd, xwud, xpr) Widget browser (viewres) Font displayer (xfd) C libraries Full application development toolkit (X Toolkit intrinsics and Xaw Athena Widget Set) Graphics library (Xlib) Include files | |
| | MacX for A/UX | | | |
| | Environment► Network transparency► Integrated with the A/UX Finder | Color support Full international character set support | Window Manager▶ User control of screen configuration and customization | |
| Ordering Information | X Window System 2.1 for A/UX Order No. M0411LL/B | With your order, you'll receive X Window System 2.1 for A/UX software: —15 installation disks for X11 —6 installation disks for MacX | —X Window System 2.1 for A/UX documentation, which includes Getting Started with X Window System for A/UX MacX User's Guide MacX for A/UX Supplement X11 User's Guide for A/UX X11 Command Reference for A/UX X11 Programmer's Reference for A/UX | |
| | X Window System Site License | Order No. M0747LL/B | | |
| | X Window System 2.1 for A/UX Right to Copy | Order No. M0749LL/B | | |
| | X Window System 2.1 for A/UX Manual Set | Order No. M0748LL/B | | |
| | For the name of your nearest au | thorized Apple A/UX and X Window | v System dealer, call 800-538-9696. | |

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