Hardware Compatibility Guide

NEXTSTEP Release 3.3
and OPENSTEP for Mach 4.x for
SPARC Workstations

Revised June 14, 1995

This document describes in general terms the types of Sun hardware that is supported by NEXTSTEP Release 3.3 and OPENSTEP for Mach 4.x for SPARC Workstations.

NeXTanswers(TM): this guide and many other kinds of information are available from NeXTanswers, NeXT's free information-retrieval system. For NeXTanswers documents by fax, call *(415) 780-3990* from a touch-tone phone. By Internet mail, send email to _*nextanswers@next.com*_ with the two-word subject: INDEX HELP. NeXTanswers is also available by World Wide Web at _*http://www.next.com/*_**,** FTP at _ftp.next.com_ or BBS at *(415) 780-2965*.

For current device support, please request the latest edition of this NEXTSTEP Hardware Compatibility Guide from NeXTanswers or by calling 1-800-TRY-NeXT (or your local NeXT representative)

GENERAL SYSTEM REQUIREMENTS

CPU
Sun microSPARC II, SuperSPARC II, and SuperSPARC single processor workstations (see _http://www.sun.com/_) models
SPARCstation 4: 85
SPARCstation 5: 85 & 110
SPARCstation 10: 50, 60, & 90
SPARCstation 20: 50, 51, 61, & 71

AVAILABLE HARD DISK SPACE

User Environment:150 MB minimum, 250 MB recommended for stand-alone systems.

User + Developer: Environments: 330 MB minimum, 400 MB recommended.

RAM REQUIREMENTS
RAM requirements vary depending upon the user's selection of graphics adapter. NEXTSTEP Release 3.3 supports a maximum of 256MB of memory.

24-bit color: 16 MB RAM Mininum, 32 MB RAM Recommended
8-bit grayscale/color: 16 MB RAM Minimum, 24 MB RAM Recommended

GRAPHICS ADAPTERS
8-bit color and grayscale at 1152x900 or 24-bit color at 1152x900 with appropriate video system. Release 3.3 supports multiple monitors with graphics cards for expanded desktop space.

MASS STORAGE
Floppy disk drive, SCSI hard disk drives, CD-ROM drives, 1/4 inch tape drives, Exabyte tape drives, and DAT tape drives are supported.

KEYBOARD & POINTING DEVICES
Sun keyboard and Sun optical or mechanical mouse.

PRINTERS
PostScript printers connected via a serial or parallel port. Color PostScript Level II printers are recommended for proper color support.

NETWORKING
Thick, thin, and twisted pair ethernet on board interfaces are supported. Ethernet transceivers may be necessary for installation at particular sites.

SOUND
16-bit audio at 22 and 44 khz is supported.

INSTALLATION
A Sun SCSI CDROM, or a supported network adapter and properly configured network installation host are required for installation of NEXTSTEP.

Supported Configurations

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SPARCstation 4
Graphics: 8 bit grayscale & color @ 1152x900
Sound: On-board 16 bit sound @ 48kHz with Mic. plug-in
Networking: On-board ethernet (TP and AUI)
Bus: 1 SBus

SPARCstation 5
Graphics: 8 bit grayscale & color @ 1152x900 with GX, Turbo GX, & Turbo GX+; 24 bit color @ 1152x900 with S24 on AFX bus
Sound: On-board 16 bit sound @ 48kHz with Mic. plug-in
Networking: On-board ethernet (TP)

Bus: 3 SBus & 1 AFX Connector for Video card

SPARCstation 10
Graphics: 8 bit grayscale & color @ 1152x900 with Turbo GX and Turbo GX+; 24 bit color @ 1152x900 with SX
Sound: On-board 16 bit sound @ 48kHz with Mic. plug-in and sound box
Networking: On-board ethernet (TP)
Bus: 4 SBus

SPARCstation 20
Graphics: 8 bit grayscale & color @ 1152x900 with Turbo GX and Turbo GX+; 24 bit color @ 1152x900 with SX
Sound: On-board 16 bit sound @ 48kHz with Mic. plug-in
Networking: On-board ethernet (TP)
Bus: 4 Sbus