

OPENSTEP Driver Compatibility Guide

TOPIC

This document describes in general terms the types of PC-compatible hardware supported by OPENSTEP for Mach Release 4.x for Intel Processors. This document also provides lists of specific drivers available for OPENSTEP. For more detail on a driver, click on the driver name.

NOTE: Apple Enterprise Software has suspended on-going development of new drivers for the NeXTSTEP and OPENSTEP product lines. Where possible, we will be updating current drivers for minor product revisions. These drivers will be made available in the TIL.

If you have specific requirements for drivers for hardware not currently supported, contact your AES sales representative for a quote for custom development work.

DISCUSSION

OVERVIEW

This guide is divided into six sections:

General System Requirements

Display Options

Networking Options

SCSI Options

Sound Options

System Options

GENERAL SYSTEM REQUIREMENTS

CPU

486 or Pentium family-based PC compatible computer. OPENSTEP for Mach requires a floating-point coprocessor. For information on OPENSTEP support for non-Intel CPUs, see [_TIL article 72566_](#).

EXPANSION BUS

ISA, EISA, VL-Bus or PCI expansion bus.

AVAILABLE HARD DISK SPACE

OPENSTEP for Mach supports multiple partitioned hard disks, allowing the user to install and boot several operating systems from the same local hard disk. Larger local disks are recommended for stand-alone systems or for systems with a local non-OPENSTEP for Mach partition.

User Environment: 120 MB partition minimum, 200 MB recommended for stand-alone systems.

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

RAM REQUIREMENTS

RAM requirements vary depending upon your selection of graphics adapter and imaging model.

32-bit color: 24 MB RAM Minimum, 32 MB RAM Recommended

16-bit color: 16 MB RAM Minimum, 24 MB RAM Recommended

8-bit color/grayscale: 12 MB RAM Minimum, 16 MB RAM Recommended

2-bit grayscale: 8 MB RAM Minimum, 12 MB RAM Recommended

GRAPHICS ADAPTERS

See the "Display Options" section in this guide for details on graphics support.

DISK INTERFACES

IDE and several SCSI hard disk interfaces are supported. See later sections of this guide for details.

POINTING DEVICES

See the "System Options" and "Other Options" sections in this guide for details on pointing device support.

PRINTERS

Any PostScript printer connected via a serial port, parallel port or network including the NeXT Color Printer (connected via a SCSI port). Apple Computer recommends color PostScript printers with PostScript Level II for proper color support.

NETWORKING

Several Ethernet and Token Ring networking adapters are supported. A networking adapter is optional. See below for details.

SOUND

OPENSTEP for Mach can support certain PC sound cards for both playback and recording. A sound card is optional. See below for details.

DISPLAY OPTIONS

VESA VBE

Any VESA VBE 2.0 display adaptor

ATI Generic

ATI Graphics Ultra Pro (EISA, ATI 68875 RAMDAC)
ATI Graphics Ultra Pro (EISA, TI 34075 RAMDAC)
ATI Graphics Ultra Pro (VL-Bus, ATI 68875 RAMDAC)
Intel GX/Pro (Custom LB, onboard ATI, TI 34075 RAMDAC)
Data General Dasher DE2 (Custom LB, TI 34075 RAMDAC)
AST Premmia 4D (Custom LB, onboard ATI, BT 481 RAMDAC)
Gateway V Series (VL-Bus, ATI 68875 RAMDAC)

ATI Mach32

ATI Graphics Ultra Pro - EISA (with 2MB VRAM)
ATI Graphics Ultra Pro - PCI (with 2MB VRAM)
ATI Graphics Ultra Pro - VL-Bus (with 2MB VRAM)
ATI Graphics Ultra Pro XLR - VL-Bus (with 2MB DRAM) - not tested, but should work
ATI Graphics Ultra Pro XLR - PCI (with 2MB DRAM) - not tested, but

should work

Intel GX/Pro (Custom LocalBus, onboard ATI, TI 34075 RAMDAC)

Data General Dasher DE2 (Custom LocalBus, TI 34075 RAMDAC)

AST Premmia 4D (Custom LocalBus, onboard ATI, BT 481 RAMDAC)

Gateway V Series (VESA LocalBus, ATI 68875 RAMDAC)

ATI Mach64

ATI Graphics Ultra Pro Turbo (PCI, with 2MB VRAM)

ATI Graphics Ultra Pro Turbo (PCI, with 2MB DRAM)

ATI Graphics Ultra Pro Turbo (PCI, with 4MB VRAM)

ATI Graphics Ultra Pro Turbo (PCI, with 4MB DRAM)

ATI Graphics Ultra Pro Turbo (VL-Bus, with 4MB VRAM)

ATI Graphics Ultra Pro Turbo (VL-Bus, with 4MB DRAM)

AT&T Globalyst 600

ATI Rage

ATI All-In-Wonder

ATI 3D Pro Turbo

ATI 3D Pro Turbo PC2TV

ATI 3D Xpression+

ATI 3D Xpression+ PC2TV

ATI XPERT @ Work

ATI XPERT @ Play

Canon object.station41 Display

Overview is NeXTanswer #2214; Driver available on NEXTSTEP CDROM

Canon object.station 41

Chips & Technologies Wingine

Epson Wingine

LGI Wingine

Chips & Technologies Wingine 64300
NEC Powermate 466D

Cirrus Logic GD542X Family

Cirrus Logic GD546X Family
HP Vectra 6/xxx Series 7

Cirrus Logic GD5434
Diamond SpeedStar 64 (PCI)
Orchid Kelvin 64 (with GD5434)
Elonex WS4100
Intel Premier (with integrated GD5434)
HP Vectra XM Series3 (not tested but reported to work)

Compaq QVision
QVision 1024/E EISA (QV30E, QV32E)
QVision 1280/E EISA (QV32E)
QVision 1280/P PCI (QV35P, QV64P)
Compaq Deskpro XE560
Compaq Deskpro XE466
Compaq Deskpro 5100

Dell DGX (JAWS)
Dell 450DE/2 DGX

Diamond Stealth
Diamond Stealth 64 DRAM PCI-Bus Display Adapter

Diamond Stealth 64 DRAM VL-Bus Display Adapter
Diamond Stealth 64 Video PCI-Bus Display Adapter
Diamond Stealth 64 Video VL-Bus Display Adapter
Diamond Stealth 64 VRAM PCI-Bus Display Adapter
Diamond Stealth SE PCI-Bus Display Adapter
Diamond Stealth SE VL-Bus Display Adapter
Diamond Stealth 64 DRAM T PCI-Bus Display Adapter
Diamond Stealth 64 DRAM T VL-Bus Display Adapter
Diamond Stealth 64 Video VRAM VL-Bus Display Adapter
Diamond Stealth 64 Video 3200 VL-Bus Display Adapter
Diamond Stealth 64 Video 2121XL DRAM PCI-Bus Display Adapter
Diamond Stealth 64 Video 3000 VRAM PCI-Bus Display Adapter
Diamond Stealth 3D 2000 PCI-Bus Display Adapter
Diamond Stealth 3D 3000 PCI-Bus Display Adapter

Diamond Stealth64

Diamond Stealth 64 (PCI, 4MB VRAM)
Diamond Stealth 64 (PCI, 2MB VRAM)
Diamond Stealth 64 (VL-Bus, 4MB VRAM)
Diamond Stealth 64 (VL-Bus, 2MB VRAM)

HP Vectra XP

HP Vectra XP (4MB VRAM)
HP Vectra XP (2MB VRAM)

HP Vectra XU Display

HP Vectra/XU S3/864 on-board video

IBM ThinkPad 755CX Display

IBM ThinkPad 755CX

IBM ThinkPad 760CD Display

IBM ThinkPad 760CD

IBM ThinkPad 760ED Display

IBM ThinkPad 760E

IBM ThinkPad 760ED

IBM ThinkPad 560

Matrox MGA Millennium

Matrox MGA Millennium

Matrox MGA Millennium II

Matrox MGA Millennium II AGP

Matrox Mystique

Matrox Mystique 220

Matrox Mystique 220 AGP

Number Nine GXE Family

#9GXE-VL Level 10 (VL-Bus, 1MB VRAM) - not tested, but should work

#9GXE-VL Level 11 (VL-Bus, 2MB VRAM)

#9GXE-VL Level 12 (VL-Bus, 2MB VRAM) - not tested, but should work

#9GXE-VL Level 14 (VL-Bus, 4MB VRAM) - not tested, but should work

#9GXE-VL Level 16 (VL-Bus, 4MB VRAM) - not tested, but should work

#9GXE-PCI Level 10 (PCI, 1MB VRAM) - not tested, but should work

#9GXE-PCI Level 12 (PCI, 2MB VRAM)

Number Nine GXE64 Pro

Number 9 GXE 64 Pro (PCI, 4MB VRAM)

Number 9 GXE 64 Pro (PCI, 2MB VRAM)

Number 9 GXE 64 Pro-1600 (PCI, 4MB VRAM, 200Mhz RAMDAC) - not

tested, but should work

Number 9 GXE 64 Pro (VL-Bus, 4MB VRAM)

Number 9 GXE 64 Pro (VL-Bus, 2MB VRAM)

Number 9 GXE 64 Pro-1600 (VL-Bus, 4MB VRAM, 200Mhz RAMDAC) - not tested, but should work

Number Nine Imagine128

Number9 Imagine 128 (PCI) (NB128-V2-P)

Number Nine Imagine128 Series 2

Number9 Imagine 128 Series 2 (4MB) (90-228120-000)

Number9 Imagine 128 Series 2 (8MB) (90-228130)

Number9 Revolution 3D (4MB)

Number9 Revolution 3D (8MB)

Number Nine Motion331

Number Nine 9FX Motion 331 1MB PCI (NB9-FX1-331-1P)

Number Nine 9FX Motion 331 2MB PCI (NB9-FX1-331-2P)

Number Nine Motion771

Number Nine 9FX Motion 771 2MB PCI (NB9FX2-771-2P)

Number Nine 9FX Motion 771 4MB PCI (NB9FX2-771-4P)

Number Nine 9FX Motion 771 2MB VL-Bus (NB9FX2-771-2VL)

Number Nine 9FX Motion 771 4MB VL-Bus (NB9FX2-771-4VL)

S3 805 / 928

IBM PS/ValuePoint

Hewlett-Packard Vectra XM

DECpc 466d2 MTE

S3 Generic

S3 ViRGE Display Driver

Number Nine 9FX Reality 332 PCI Display Adapter (90-332010-000, 91-332010-000, 91-332013-000)

Diamond Stealth 3D 2000 PCI Display Adapter

STB Pegasus

STB Pegasus (VL-Bus, 4MB VRAM)

STB Pegasus (VL-Bus, 2MB VRAM)

Trident Generic

This driver will not support the built-in display on IBM Thinkpad 760CD.

Tseng Labs ET4000

Tseng Labs ET4000W32

VGA

Weitek Power 9000

Diamond Viper (PCI)

Diamond Viper (VL-Bus)

Genoa VideoBlitz 9200-VL (VL-Bus) - not tested, but should work

Weitek Power 9100

Diamond Viper Pro (PCI, 2MB VRAM)

Diamond Viper Pro (PCI, 4MB VRAM)

Western Digital WD90C24

NEC Versa E Series
NEC Versa V Series
Compaq LTE Elite

NETWORKING OPTIONS

3COM EtherLink III

3Com EtherLink III 3C509 ISA (BNC, AUI)
3Com EtherLink III 3C509B ISA (BNC, AUI)
3Com EtherLink III 3C509-TP ISA (RJ-45, AUI)
3Com EtherLink III 3C509B-TP ISA (RJ-45, AUI)
3Com EtherLink III 3C509-COMBO ISA (BNC, AUI, RJ-45)
3Com EtherLink III 3C509B-COMBO ISA (BNC, AUI, RJ-45)
3Com EtherLink III 3C509-TPO ISA (RJ-45)
3Com EtherLink III 3C509B-TPO ISA (RJ-45)
3Com EtherLink III 3C579 EISA (BNC, AUI)
3Com EtherLink III 3C579-TP EISA (AUI, RJ-45)
3Com EtherLink III 3C589C-COMBO (BNC, RJ-45)
3Com EtherLink III 3C589C-TP (RJ-45)

3COM EtherLink XL

3Com EtherLink XL 3C900-TPO PCI (RJ-45)
3Com EtherLink XL 3C900-Combo PCI (BNC, AUI, RJ-45)
3Com EtherLink XL 3C905-TX PCI (10Base-T, 100Base-TX)
3Com EtherLink XL 3C905B-TX PCI (10Base-T, 100Base-TX)

AMD PCnet32

X/Lan Add-On Adapter (based on Am79C970)
Canon object.station 41
Compaq Deskpro XL (On-board)

HP Vectra XU (On-Board)

Cogent EM960 PCI

Cogent EM960C (PCI, Combo)

Cogent EM960TP (PCI, TP Only)

Cogent EM964TP (PCI, TP Only, 4 ports - 1st port only supported)

Cogent EMaster EISA

EM932 (EISA, BNC/AUI)

EM932TP (EISA, UTP/AUI)

EM935XL (EISA, BNC/UTP/AUI)

DEC21X4XNetwork

Adaptec-Cogent ANA-6911A/TX

Cogent EM110-TX Fast Ethernet 10/100 Adapter

Cogent EM960 PCI

DEC DE500 (21143 based) PCI 10/100

DEC DE500 Fast EtherWORKS PCI 10/100

DANPEX PCI Ethernet (EN-9400P3)

SMC 9332 Fast Ethernet 10/100 Adapter

SMC PCI EtherPower (SMC 8432)

DEC Celebris GL On-Board LAN Adapter (21142/21143, 10 Mb/s module)

DEC Celebris GL On-Board LAN Adapter (21142/21143, 10/100 Mb/s module)

DECchip21040 Network

Cogent EM960 PCI

SMC PCI EtherPower (SMC 8432)

Digital EtherWORKS Turbo PCI (DE435)

Linksys EtherPCI LAN Card

DANPEX PCI Ethernet (EN-9400P3)
JCIS Condor (JC1260)
Kingston EtherX PCI Ethernet (KNE40T & KNE40BT)
DEC Celebris GL & GLST

DECchip21140 Network

Cogent EM100 Fast Ethernet Adapter
Cogent EM110 Fast Ethernet 10/100 Adapter
SMC 9332 Fast Ethernet 10/100 Adapter
DEC DE500 Fast EtherWORKS PCI 10/100
Cogent EM110-T4 Fast Ethernet 10/100/BNC Adapter

HP Vectra XM, XP Integrated

HP Vectra XM
HP Vectra XP
Elonex WS4100 - Not tested, should work

IBM Token Ring

IBM 25F7367 (ISA, 16/4 Mbps, 8-bit, 64K)
IBM 25F9858 (ISA, 4Mbps, 8-bit, 16K)
IBM 67X0438 (ISA, 4Mbps, 8-bit, 16K)
IBM 60G3994A? (ISA, 16/4 Mbps, 16-bit, 64K)
IBM 92G7668 (Auto, ISA, 16/4 Mbps, 16-bit, 64K)
IBM 41H8450 (Auto, ISA, 16/4 Mbps, 16-bit, 64K)
Token Ring option for Compaq DeskPro and Prolinea series

Intel 82556 Network

Intel EtherExpress PRO/100 EISA LAN Adapter (EILA8265)
Intel EtherExpress PRO/100 PCI LAN Adapter (PILA8465)

Intel 82557 Network

Intel EtherExpress PRO/100+ PCI LAN Adapter (10Base-T, 100Base-TX)
Intel EtherExpress PRO/100 PCI LAN Adapter (PILA8465BX) (10Base-T, 100Base-TX)
Intel EtherExpress PRO/100 PCI LAN Adapter (PILA8475B) (10Base-T, 100Base-T4)
Intel EtherExpress PRO/10+ PCI LAN Adapter (PILA8500) (BNC, AUI, RJ-45)
Intel EtherExpress PRO/10+ PCI LAN Adapter (PILA8520) (RJ-45)

Intel 82595 Chipset

Cogent EM595 TP (PCMCIA, UTP)
Cogent EM595 C (PCMCIA, UTP/BNC) - Not tested, but should work
Cogent EM525 (ISA, BNC/AUI) - Not tested, but should work
Cogent EM525 TP (ISA, UTP) - Not tested, but should work
Cogent EM525 C (ISA, BNC/UTP/AUI)
Intel EtherExpress PRO/10 ISA (BNC/UTP/AUI)
Intel EtherExpress PRO/10 ISA Plug and Play (BNC/UTP/AUI)
Intel EtherExpress PRO/10+ ISA Plug and Play (BNC/UTP/AUI)

Intel 82596 Network

Intel EtherExpress PRO/10 PCI (PILA8400) (BNC, UTP, AUI)
Intel EtherExpress PRO/10 PCI (PILA8420) (UTP)
Intel EtherExpress Flash32 EISA (EILA8225) (BNC, UTP, AUI)
Cogent eMaster EM935 EISA XL (BNC, UTP, AUI)
Cogent eMaster EM932 EISA (UTP, AUI)
Cogent eMaster EM932 EISA (BNC, UTP, AUI)
Cogent eMaster EM945 EISA FDE (BNC, UTP, AUI)

Intel EtherExpress16

EtherExpress16 (ISA, BNC/AUI)
EtherExpress16TP (ISA, UTP/AUI)
EtherExpress16C (ISA, BNC/UTP/AUI)

Intel TokenExpress

STP (ISA)

SMC EtherEZ/Elite16 Ultra

SMC EtherCard Elite Ultra16 (ISA)
SMC EtherCard Elite Ultra16T (ISA)
SMC EtherCard Elite Ultra16C (ISA)
SMC EtherEZ (8416BTA)
SMC EtherEZ (8416B)
SMC EtherEZ (8416T)
SMC EtherEZ (8416BT)
SMC EtherEZ (8416BA)
SMC EtherEZ (8416TA)

SMC EtherElite 16

SMC EtherCard Plus Elite16 Ethernet Adapter

Xircom Netwave

Xircom CreditCard Netwave Adapter (CNW(AM))

Xircom Performance Series

Xircom PS-CE2-10BT (PCMCIA, UTP)
Xircom PS-CE2-10BC (PCMCIA, UTP/BNC)

SCSI OPTIONS

AMD PC SCSI

Toshiba CD-ROM XM-3401T
Peripheral Solutions 8mm Exabyte DAT Drive -- 8500
Syquest 88MB SQ5110 D3G 810
IOMEGA Bernoulli 230 BETA230 1.1408/2
Pinnacle Micro Tahoe 230MB MO J6CTahoe-130A
Quantum 504MB LPS5255S 311012 Hard Drive
Quantum LPS540S 590H01 Hard Drive
Next SCSI Color Printer
HSD Scan-X Color Scanner (UMAX engine)
COMPAQPC DPES-31080
Compaq Deskpro XL
HP Vectra XU

Adaptec 154x family and compatible

Adaptec 154xB (ISA)
Adaptec 154xC (ISA)
Adaptec 154xCF (ISA)
Adaptec 1542CP (ISA Plug and Play)
Adaptec 174x (EISA) in standard 154x mode only

Adaptec 274x and 284x family

Adaptec 2740 (EISA) - not tested but should work
Adaptec 2740T (EISA)
Adaptec 2840 (VLB)

Adaptec 2940 family & 7870 integrated

Adaptec AHA-2930B (PCI)
Adaptec AHA-2940 (PCI)
Adaptec AHA-2940W (PCI, Wide SCSI)

Adaptec AHA-2940U (PCI, Ultra SCSI)
Adaptec AHA-2940UW (PCI, Ultra/Wide SCSI)
Adaptec AHA-2910B (PCI) - Not tested but should work.
DEC EISA/PCI Server system w/ 7870 on motherboard
DEC Celebris GLST w/ 7850 on riserboard
HP Kayak on-board 7860 & 7880 based SCSI adapters.

Adaptec 6x60 chipset (add-on & integrated)

Adaptec AVA-1505A (ISA)
Adaptec AVA-1515A (ISA)
Adaptec AHA-1520A (ISA)
Adaptec AHA-1530P (ISA) - Not tested but might work.
Adaptec Slim SCSI (PC/MCIA)
Intel GX/Pro

Adaptec 78xx

Adaptec AHA-2940 UW Dual (PCI, Ultra/Wide SCSI, dual channel)

Bus Logic FlashPoint

BusLogic KT-930 PCI SCSI Host Adapter
BusLogic KT-932 PCI Dual Chanel SCSI Host Adapter
BusLogic BT-950 PCI Wide SCSI Host Adapter

BusLogic family

BusLogic 546C ISA SCSI Host Adapter
BusLogic 747C EISA SCSI Host Adapter
BusLogic 445C VL-Bus SCSI Host Adapter
BusLogic 946C PCI SCSI Host Adapter (rev C and D only)
BusLogic 948 PCI SCSI Host Adapter (not tested, reported to work)
BusLogic 958 PCI Wide SCSI Host Adapter (not tested, reported to work)

Canon object.station 41

DPT 2000 family

DPT 2021/9x SmartCache III (ISA) - not tested, but should work
DPT 2022/9x SmartCache III (EISA)
DPT 2122/9x SmartCache III (EISA)
DPT 2122/9xW SmartCache III (EISA, Wide) - not tested, but should work
DPT 2122/9xDW SmartCache III (EISA, Differential, Wide) - not tested,
but should work
DPT 2024 SmartCache III (PCI) - In future update
DPT 2124 SmartCache III (PCI) - In future update
NEC Express II P60 (On-Board)

DPT SCSI family

PM2021/90 ISA SCSI adapter
PM2021/95 ISA SCSI adapter
PM2022/90 EISA SCSI adapter
PM2022/95 EISA SCSI adapter
PM2024 PCI SCSI adapter
PM2041W * ISA Wide SCSI adapter
PM2042W * EISA Wide SCSI adapter
PM2044W * PCI Wide SCSI adapter
PM2122/90 EISA SCSI adapter
PM2122/95 EISA SCSI adapter
PM2124 PCI SCSI adapter
PM2124W PCI WIDE SCSI adapter
PM2142W * EISA Wide SCSI adapter
PM3021 ISA SCSI RAID controller (Not tested, should work)
PM3222 EISA SCSI RAID controller
PM3224 PCI SCSI RAID controller

PM3224W PCI WIDE SCSI RAID controller

DPT-TWR n/a 6-bay SCSI Tower

DPT-TWR/W n/a 6-bay WIDE SCSI Tower (Not tested, should work)

NEC Express II P60 (On-Board)

* These products have not been tested but are believed to work with this driver

[SymbiosLogic53C8xxSCSIDriver](#)

DEC Celebris XL/590

SOUND OPTIONS

[Beep](#)

[Canon object.station41 Sound](#)

Canon object.station 41

[Compaq Business Audio](#)

Compaq Deskpro / M

Compaq Deskpro / I

[ESS 1x88 Audio Driver](#)

NewCom High Fidelity 16i E5X1853

Compaq Prolinea

NEC Versa 4000

DEC Celebris GL & GL/ST

[IntelGXProAudio](#)

Intel GX/Professional

[Media Vision Jazz 16](#)

Media Vision Deluxe Sound Card
Media Vision Pro Sonic Sound Card

Microsoft Sound System

Microsoft Sound System (ISA)

Pro Audio Spectrum 16

Sound Blaster 16

Sound Blaster 16 Basic (ISA)
Sound Blaster 16 Value (ISA)
Sound Blaster 16 AWE (ISA)
Sound Blaster 16 SCSI-II (ISA)
Sound Blaster 16 Value PnP (ISA)
Sound Blaster AWE 32 (ISA)
Sound Blaster AWE 64 Value (ISA)
Sound Blaster AWE 64 Gold (ISA)

Sound Blaster 8

Sound Blaster Basic (ISA)
Sound Blaster Pro (ISA)
Sound Blaster Delux (ISA)
Sound Blaster Value (ISA)

Yamaha OPL Audio

Yamaha OPL3-SA3 (YMF715) based PNP audio adapters
Yamaha OPL3-SA (YMF701B) based on-board audio adapters

SYSTEM OPTIONS

BusMouse

Logitech MouseMan Bus
Logitech MouseMan Cordless

EIDE

The following ATAPI CD-ROM drives are supported:

Chinon CD-ROM CDS-525 (2X), firmware rev. W09
Matsushita CD-ROM CR-571 (2X), firmware rev. 1.0e -- Panasonic
Mitsumi CD-ROM 1B (4X), firmware rev. B02 -- model FX400
Sony CD-ROM CDU55E (2X), firmware rev. 1.0u
Sony CD-ROM CDU76E-S (4X), firmware rev. 1.0c
Toshiba CD-ROM XM-5302TA (4X), firmware rev. 0305
Philips CM207, firmware rev 1.10 (??) -- reported to work
SONY CD-ROM CDU76E-Q, firmware rev 1.0c (4X)
SONY CD-ROM CDU55D, firmware rev 1.0v (2X)
SONY CD-ROM CDU77E, firmware rev 1.0e (4X)
TORISAN CD-ROM CDR-S1, firmware rev 1.70 (4X) -- SANYO
Chinon CD-ROM CDS-545, firmware rev ERc A1.0 (4X)
GoldStar CD-ROM GCD-R540, firmware rev 1.17 (4X)
GoldStar CD-ROM GCD-540C, firmware rev 1.01 (4X)
SANYO CRD-254P, firmware rev 1.02 (4X)
MATSHITA CD-ROM CR-574, firmware rev 1.06 (4X) -- Panasonic
Pioneer CD-ROM DR-UA124X, firmware rev 1.02 (4X) -- force detection
MITSUMI CD-ROM !B, firmware rev K02 (4X) -- DRM FX400B
TEAC CD-55E, firmware rev ?? (4X) -- Thinkpad 760CD
ATAPI CD-ROM SPEED-6X, firmware rev 6.2D (6X) -- ACER 665A
VERTOS 600ESD CD-ROM X6-IDE, firmware rev 1.20 (6X)
TEAC CD-56E, firmware rev 1.0D (6X)
MATSHITA UJDCD4700, firmware rev 1.11 (??)

TEAC CD-58E, firmware rev 1.1B (8X)

Toshiba CD-ROM XM-5602B, firmware rev 1426 (8X)

Sony CD-ROM CDU311, firmware rev 3.0i (8X)

EPSON CMD-2240 SPEED-6X, firmware rev R100 -- reported to work

Hitachi CDR-7730, firmware 1.1a (4X)

TEAC CD-524E, firmware 4.0D (24X)

Other ATAPI 1.2 compliant CD-ROM drives should work with OPENSTEP even if they are not in the supported list.

EISABus

Floppy

IDE

ISA Serial Port

Intel 82365 and compatible PCMCIA chipset

SwapBox Classic MMCD-D - Not tested by SQA, might work.

NEC Versa E Series

NEC Versa V Series

NEC Versa 4000

Compaq LTE Elite

IBM Thinkpad 755CX

IBM Thinkpad 760CD

Adaptec CardPark

Intel 824X0 PCI Chipset

PCI Bus

PCMCIA Bus

PS/2-Style Mouse

Rose Electronics ServeView Keyboard/Mouse/Display multiplexer

PS2 Keyboard

Parallel Port

Port Server

EIA-232 (Serial)

SCSI Tape

Serial Pointing Device

Alps Glidepoint
Logitech FirstMouse
Logitech MouseMan
Logitech MouseMan Cordless
Logitech TrackMan
Kensington Expert Mouse v2.0
Kensington Expert Mouse v4.0
Microsoft Serial Mouse
Mouse Systems PC Mouse III

Serial Mouse

Serial Ports

OTHER OPTIONS

FTG ISA Light Pen

PXL-395 Light Pen Interface (ISA)

FT-356 1-Button Light Pen

FT-357 2-Button Light Pen

FTG Light Pen

PXL-780 Light Pen Interface (Serial)

FT-356 1-Button Light Pen

FT-357 2-Button Light Pen