Solaris 8 (Intel Platform Edition) 10/01 Hardware Compatibility List

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Contents

Preface

This document provides information about general IA hardware requirements and the peripherals and system platforms that are supported in Solaris™ 8 *Intel Platform Edition*.

It documents cumulative changes since the release of Solaris 8 *Intel Platform Edition*, including those documented in the *Solaris 8 (Intel Platform Edition) 6/00 Hardware Compatibility List*, the *Solaris 8 (Intel Platform Edition) 10/00 Hardware Compatibility List*, the *Solaris 8 (Intel Platform Edition) 1/01 Hardware Compatibility List*, the *Solaris 8 (Intel Platform Edition) 4/01 Hardware Compatibility List*, and the *Solaris 8 (Intel Platform Edition) 7/01 Hardware Compatibility List*.

Note – In this document the term "IA" refers to the Intel 32-bit processor architecture, which includes the Pentium, Pentium Pro, Pentium II, Pentium II Xeon, Celeron, Pentium III, Pentium III Xeon, and Pentium 4 processors and compatible microprocessor chips made by AMD.

Note – System platforms listed in this document are tested "as-shipped" by the hardware manufacturers, but due to the nature of this industry, there might be unexpected and unannounced changes.

Before a system can be certified, every controller (disk, network, and video) in the system must be certified. This means that each controller runs on an existing Solaris driver or on a driver that has been certified by Sun. All Sun certified controllers are listed in Chapter 3 and Chapter 4.

It is common practice for hardware vendors to release variants of a particular hardware design under a single marketing name. In some cases, not all variants will work with the current Solaris device driver. Check the "Device Reference Pages" in the *Solaris 8 (Intel Platform Edition) Device Configuration Guide* to see if they provide additional information about specific hardware versions supported by the current Solaris device driver.

How This Document Is Organized

This document is divided into four chapters and one appendix:

- Chapter 1 lists the Intel 32-bit processor architecture (IA) hardware requirements for installing the Solaris 8 operating environment.
- Chapter 2 lists the platforms supported in the Solaris 8 *Intel Platform Edition* product. This is *not* intended to be an exhaustive list of IA based systems that can run Solaris 8 software. All peripherals listed in Chapter 3 have *not* been tested in all combinations on all of these platforms.
- Chapter 3 lists the peripherals supported by drivers included on the Solaris CD. Support for these drivers is provided by Sun.
- Chapter 4 lists controllers developed by independent hardware vendors (IHVs). Contact the IHV directly to get support for these controllers, which have been certified using a third-party driver.
- Appendix A describes how to set up and use the PXE network boot feature.

Related Books

For specific hardware configuration information necessary to install and run the Solaris environment on your particular hardware, see the *Solaris 8 (Intel Platform Edition) Device Configuration Guide*.

Solaris Certification Programs

For information about the Solaris hardware certification programs, see `http://soldc.sun.com/support/certify/HCTS`.

Because certification testing is an ongoing process, updated *Solaris 8 (Intel Platform Edition) Hardware Compatibility List*s (HCLs) are produced between releases. HCLs are available at `http://soldc.sun.com/support/drivers/hcl`.

Driver-Related Patches

For information about driver-related patches that are currently available for Solaris *Intel Platform Edition*, see `http://www.sun.com/io/released-patches.html`. For a list of upcoming driver-related patches, see `http://www.sun.com/io/upcoming-patches.html`.

HCL Feedback

To supply technical feedback about this book, send email to `x86-certify@cypress.west.sun.com`.

Ordering Sun Documents

Fatbrain.com, an Internet professional bookstore, stocks select product documentation from Sun Microsystems, Inc.

For a list of documents and how to order them, visit the Sun Documentation Center on Fatbrain.com at `http://www1.fatbrain.com/documentation/sun`.

Accessing Sun Documentation Online

The docs.sun.com[SM] Web site enables you to access Sun technical documentation online. You can browse the docs.sun.com archive or search for a specific book title or subject. The URL is `http://docs.sun.com`.

The *Solaris 8 (Intel Platform Edition) 10/01 Hardware Compatibility List* and other versions of this book are updated frequently at the Solaris Developer Connection web site. The URL is `http://soldc.sun.com/support/drivers/hcl`.

CHAPTER 1

General Requirements

CPU	Memory	Bus	Disk Interface	Distribution Media	Devices for Installing Solaris
Intel Pentium Intel Pentium Pro Intel Pentium with MMX Intel Pentium II Intel Pentium II Xeon Intel Celeron Intel Pentium III Intel Pentium III Xeon Intel Pentium 4 AMD-K5 AMD-K6 AMD-K6-2 AMD-K6-3 AMD Athlon (formerly Athlon K7) AMD Athlon XP AMD Duron	Minimum: 64 Mbytes Maximum: 32 Gbytes[1]	PCI, ISA, VLB	IDE, E-IDE, SCSI	CD-ROM and a single boot diskette	Diskette drive *and* one of the following devices: ■ Local SCSI or ATAPI/IDE CD-ROM or DVD-ROM drive ■ Remote SCSI or ATAPI/IDE CD-ROM or DVD-ROM drive available over the network ■ Remote fixed disk available over the network

1. IA based systems that use the Intel Pentium Pro and subsequently released Intel CPUs can address up to 32 Gbytes of physical memory. Individual processes are still limited to a maximum of 3.5 Gbytes of virtual address space however.

Conventions Used

- Pentium system platforms and motherboards listed in this document show the CPU type and speed in parentheses after the model name.
  - The term (P-*xxx*) indicates a Pentium processor. The *xxx* is replaced by the speed of the system in megahertz. For example, P-100 indicates a 100-MHz Pentium processor.
  - The term (PP-*xxx*) indicates a Pentium Pro processor. The *xxx* is replaced by the speed of the system in megahertz. For example, PP-150 indicates a 150-MHz Pentium Pro processor.
  - The term (PII-*xxx*) indicates a Pentium II processor. The *xxx* is replaced by the speed of the system in megahertz. For example, PII-233 indicates a 233-MHz Pentium II processor.
  - The term (PIII-*xxx*) indicates a Pentium III processor. The *xxx* is replaced by the speed of the system in megahertz. For example, PIII-450 indicates a 450-MHz Pentium III processor.
  - The term (P4-*xxx*) indicates a Pentium 4 processor. The *xxx* is replaced by the speed of the system in megahertz. For example, P4-933 indicates a 933-MHz Pentium 4 processor.
- In Chapter 3, peripherals that require additional configuration and that have a Device Reference Page in the *Solaris 8 (Intel Platform Edition) Device Configuration Guide* are marked with a # symbol.

CHAPTER 2

System Platforms

Solaris 8 *Intel Platform Edition* has been successfully installed and tested on the systems listed in this chapter configured as they are shipped by the system manufacturer.

Before a system can be certified, every controller (disk, network, and video) in the system must be certified. This means that each controller runs on an existing Solaris driver or on a driver that has been certified by Sun. All Sun certified controllers are listed in Chapter 3 and Chapter 4.

There are two levels of system certification:

Level 1	The system has passed Sun's Level 1 certification test suite, which tests basic system functionality for Solaris compatibility.
Level 2	The system has passed Sun's Level 2 certification test suite. The tests are rigorous enough that system manufacturers might soon be eligible to apply to license the Solaris Ready logo. System manufacturers whose products are used in everyday business environments often choose Level 2 certification. In the following system tables, the Level 2 designation appears in boldface.
Vendor Tested Certification (VTC)	The system has passed Sun's certification test suite at the specified level. However, the test results were not audited by Sun.

Single Processor Systems

TABLE 2–1 Single Processor Systems

System Platform	Certification Level
Acer AcerAcros T7000 MT (PII-266)	Level 1
Acer AcerAltos 920 (PII-300)	Level 1
Acer AcerAltos 9100 (PII-300)	Level 1
Acer AcerAltos 9100 (PII-300+RAID)	Level 1
Acer AcerPower T7000 MT (PII-266)	Level 1
Advantech PCA 6180 (PIII-733)	Level 1
Bull Information Systems Express5800-HX4500 (PII Xeon-400)	Level 1
Compaq Deskpro EN 6400 (PII-400)	Level 1
Compaq Professional Workstation AP200 (PII-400)	Level 1
Compaq Professional Workstation AP200 (PII-450)	Level 1
Compaq Professional Workstation AP200 (PIII-400)	Level 1
Compaq Professional Workstation AP400 (PII-400)	Level 1
Compaq Professional Workstation AP400 (PII-450)	Level 1
Compaq Professional Workstation AP500 (PII-450)	Level 1
Compaq Professional Workstation AP550 (PIII-1GHz)	Level 1
Compaq Professional Workstation SP750 (PIII-866)	Level 1
Compaq ProLiant 800 (PII-350)	Level 1
Compaq ProLiant 800 (PIII-550)	Level 1
Compaq ProLiant 1200 (PII-233)	Level 1
Compaq ProLiant 1600 (PII-300)	Level 1
Compaq ProLiant 1600 (PII-350)	Level 1
Compaq ProLiant 1600 (PII-400)	Level 1
Compaq ProLiant 2500 (PP-200)	Level 1
Compaq ProLiant 3000 (PII-333)	Level 1
Compaq ProLiant 3000 (PII-450)	Level 1

TABLE 2–1 Single Processor Systems *(Continued)*

System Platform	Certification Level
Compaq ProLiant 6000 (PP-200)	Level 1
Compaq ProLiant 7000 (PP-200)	Level 1
Compaq ProLiant DL320 (PIII-800)	Level 1
Compaq ProLiant DL320 (PIII-1GHz)	**Level 2**
Compaq ProSignia 200 (PII-233)	Level 1
Compaq ProSignia 200 (PII-266)	Level 1
Compaq ProSignia 200 (PII-300)	Level 1
Dell OptiPlex G1 (Celeron-433)	Level 1
Dell OptiPlex GN+ 5233 (P-233 MMX)	Level 1
Dell OptiPlex GXa 300L (PII-300)	Level 1
Dell OptiPlex GXa 333L EM+ (PII-333)	Level 1
Dell OptiPlex GX1-266 (PII-266)	Level 1
Dell OptiPlex GX1-300 (PII-300)	Level 1
Dell OptiPlex GX1-333 (PII-333)	Level 1
Dell OptiPlex GX1-350 (PII-350)	Level 1
Dell OptiPlex GX1-400 (PII-400)	Level 1
Dell OptiPlex GX1-500 (PIII-500)	Level 1
Dell OptiPlex GX1-550 (PIII-550)	Level 1
Dell OptiPlex GX100 (Celeron-600)	Level 1
Dell OptiPlex GX1p-400 (PII-400)	Level 1
Dell OptiPlex GX1p-450 (PII-450)	Level 1
Dell OptiPlex GX1p-500 (PIII-500)	Level 1
Dell OptiPlex GX110 (PIII-933)	Level 1, VTC
Dell PowerApp-100 (PIII-600)	Level 1
Dell PowerApp-110 (PIII-700)	Level 1
Dell PowerEdge 2200 (PII-266)	Level 1
Dell PowerEdge 2200 (PII-266+RAID)	Level 1
Dell PowerEdge 2550 (PIII-1GHz)	Level 1

TABLE 2–1 Single Processor Systems *(Continued)*

System Platform	Certification Level
Dell Precision Workstation 220 (PIII-600)	Level 1
Force CPCI-730 (PII-333)	Level 1
Fujitsu FMV-5166D9K (K6-160 MMX)	Level 1
Fujitsu FMV-5233T7M (P-233 MMX)	Level 1
Fujitsu FMV-6266D9 (PII-266)	Level 1
Fujitsu FMV-6266DX (PII-266)	Level 1
Fujitsu FMV-6300DX2c (Celeron-300)	Level 1
Fujitsu FMV-6350DX (PII-350)	Level 1
Fujitsu FMV-6400TX (PII-400)	Level 1
Fujitsu FMV PRO 7400E1 2D (PII-400)	Level 1
Fujitsu FMV PRO 7400T1 2D (PII-400)	Level 1
Fujitsu FMV PRO 7550E2 2D (PIII-550)	Level 1
Fujitsu FMV PRO 7700E3 (PIII-700)	Level 1
Fujitsu FMV PRO 8550T2 2D (PIII Xeon-550)	Level 1
Fujitsu GRANPOWER5000 ES200 (PIII-600)	Level 1
Fujitsu GRANPOWER5000 Model 180 (PII-400)	Level 1
Fujitsu GRANPOWER5000 Model 180 (PIII-550)	Level 1
Fujitsu GRANPOWER5000 Model 280 (PIII-700)	Level 1
Fujitsu GRANPOWER5000 Model 580 (PII Xeon-400)	Level 1
Fujitsu GRANPOWER5000 Model 580 (PIII Xeon-550)	Level 1
Fujitsu PRIMERGY ES200 (Celeron-633)	Level 1
Fujitsu PRIMERGY ES200 (PIII-800)	Level 1
Fujitsu PRIMERGY ES210 (PIII-800)	Level 1
Fujitsu PRIMERGY ES210 (PIII-850)	Level 1
Fujitsu PRIMERGY ES280 (PIII-800)	Level 1
Fujitsu PRIMERGY ES320 (PIII-1.26 GHz)	Level 1
Fujitsu PRIMERGY MS380 (PIII-850)	Level 1
Fujitsu PRIMERGY MS610 (PIII Xeon-700)	Level 1

TABLE 2–1 Single Processor Systems *(Continued)*

System Platform	Certification Level
Fujitsu PRIMERGY TS120 (PIII-933)	Level 1
Fujitsu PRIMERGY TS220 (PIII-933)	Level 1
Fujitsu PRIMERGY TS225 (PIII-1.13 GHz)	Level 1
Gateway E-1600 SE (PIII-933)	Level 1
Gateway E-4600 SE (P4 1.3 GHz)	Level 1
Hitachi FLORA 370-TS3 (PII-450)	Level 1
Hitachi HA8000/40 (PII-400)	Level 1
Hitachi HA8000/150 (PIII-500)	Level 1
HP Kayak XA-s 6-350 PC Workstation (PII-350)	Level 1
HP Kayak XA-s 6-400 PC Workstation (PII-400)	Level 1
HP Kayak XA-s 6-450 PC Workstation (PII-450)	Level 1
HP Kayak XU 6-266 PC Workstation (PII-266)	Level 1
HP Kayak XU 6-300 PC Workstation (PII-300)	Level 1
HP NetServer E40 (PP-200)	Level 1
HP NetServer E45 (PII-266)	Level 1
HP NetServer E50 (PII-333)	Level 1
HP NetServer LCII (PII-300)	Level 1
HP NetServer LHII (PII-266)	Level 1
IBM IntelliStation E Pro 6893 (PII-400)	Level 1
IBM IntelliStation M Pro 6889-08Z (PII-350)	Level 1
IBM Netfinity 3500 8644-21U (PII-266)	Level 1
IBM Netfinity 5500 8660-4RU (PII-400)	Level 1
IBM Personal Computer 300 PL Model 6562-30Z (P-200 MMX)	Level 1
IBM Personal Computer 300 PL Model 8692-40Z (PP-350)	Level 1
Intel SKA4 (PIII Xeon-500)	Level 1
Intel UPServer T440BX (PIII-500)	Level 1
Motorola CPV5000 Single-Board Computer (P-233 MMX Mobile Module)	Level 1
Motorola CPV5300 Single-Board Computer (PII-266 Mobile Module)	Level 1

TABLE 2–1 Single Processor Systems *(Continued)*

System Platform	Certification Level
Motorola CPV5350 Single-Board Computer (PII-333 Mobile Module)	Level 1
NCR 3261 (Celeron-266)	Level 1
NCR 3271 (PII-266)	Level 1
NCR 3272 (PII-450)	Level 1
NCR S11 (PIII-1.26 GHz)	Level 1, VTC
NCR S29 (PIII-1.266 GHz)	Level 1, VTC
NCR WorldMark 4300 (PP-200, 512 KB)	Level 1
NEC Express5800-ES1200 (PII-266)	Level 1
NEC Express5800-ES1400 (PII-300)	Level 1
NEC Express5800-HX4500 (PII Xeon-400)	Level 1
NEC Express5800-TM1200 (2 CPUs, PIII-933)	Level 1
NEC PowerMate Enterprise 4100E (Celeron-266)	Level 1
NEC PowerMate Enterprise 5100 (PII-300)	Level 1
NEC PowerMate Enterprise 8100E (PII-400, 512 KB)	Level 1
ProSys NP3 (PIII-1GHz)	**Level 2, VTC**
ProSys SP3 (PIII-1GHz)	**Level 2, VTC**
Siemens AG ATD SiiX Station 4BX (PII-350)	Level 1
Siemens AG PRIMERGY 170 (D1107) (PIII-500)	Level 1
Siemens AG PRIMERGY 870 (PII Xeon-400)	Level 1
Siemens AG PRIMERGY 870 (PII Xeon-450)	Level 1
Siemens AG Scenic Pro D6 (D1085) (PII-266)	Level 1
Siemens AG Scenic Pro D7 (D1064) (PII-450)	Level 1
Toshiba Equim 7100M (PIII-600)	Level 1
Toshiba Magnia 3000 (PII-400)	Level 1
Toshiba Magnia 5000 (PII-400)	Level 1
Zenith Data Systems Express5800-ES1200 (PII-266)	Level 1
Zenith Data Systems Express5800-ES1400 (PII-300)	Level 1
Zenith Data Systems Express5800-HX4500 (PII Xeon-400)	Level 1

TABLE 2–1 Single Processor Systems *(Continued)*

System Platform	Certification Level
Zenith Data Systems Z-Station 4100E (Celeron-266)	Level 1
Zenith Data Systems Z-Station 8100E (PII-400, 512 KB)	Level 1

Multiprocessor Systems (SMP)

The number of CPUs following each entry indicates the number of processors in the multiprocessor system as tested.

TABLE 2–2 Multiprocessor Systems (SMP)

System Platform	Certification Level
Acer AcerAltos 920 (2 CPUs, PII-300)	Level 1
Acer AcerAltos 1100E (2 CPUs, PIII-550)	Level 1
Acer AcerAltos 1200 (2 CPUs, PIII-866)	Level 1
Acer AcerAltos 1200LP (2 CPUs, PIII-800)	Level 1
Acer AcerAltos 9100 (2 CPUs, PII-300)	Level 1
Acer AcerAltos 9100 (2 CPUs, PII-300+RAID)	Level 1
Acer AcerAltos 12000 (2 CPUs, PIII Xeon-550)	Level 1
Acer AcerAltos 21000 (4 CPUs, PIII Xeon-500)	Level 1
Acer AOpen DX2G Plus (2 CPUs, PIII Xeon-550)	Level 1
Acer AOpen DX6G Plus (2 CPUs, PIII-500)	Level 1
Acer AOpen DX6G Plus (2 CPUs, PIII Xeon-500)	Level 1
Acer ProStation 5000 (2 CPUs, PIII-550)	Level 1
Bull Information Systems Express5800-HX4500 (4 CPUs, PII Xeon-400)	Level 1
Bull Information Systems Express5800-HX4600 (2 CPUs, PII-450)	Level 1
Bull Information Systems Express5800-MC2400 (2 CPUs, PII-450)	Level 1
Bull Information Systems Express5800-MH4500 (2 CPUs, PII Xeon-400)	Level 1
Compaq Professional Workstation AP400 (2 CPUs, PII-400)	Level 1
Compaq Professional Workstation AP400 (2 CPUs, PII-450)	Level 1

TABLE 2–2 Multiprocessor Systems (SMP) *(Continued)*

System Platform	Certification Level
Compaq Professional Workstation AP500 (2 CPUs, PII-450)	Level 1
Compaq Professional Workstation 6000 (2 CPUs, PII-266)	Level 1
Compaq Professional Workstation 8000 (2 CPUs, PP-200)	Level 1
Compaq Professional Workstation 8000 (4 CPUs, PP-200)	Level 1
Compaq ProLiant 800 (2 CPUs, PII-350)	Level 1
Compaq ProLiant 800 (2 CPUs, PIII-550)	Level 1
Compaq ProLiant 1600 (2 CPUs, PII-350)	Level 1
Compaq ProLiant 1600 (2 CPUs, PII-400)	Level 1
Compaq ProLiant 1600 (2 CPUs, PIII-550)	Level 1
Compaq ProLiant 1850R (2 CPUs, PIII-500)	Level 1
Compaq ProLiant 1850R (2 CPUs, PIII-550)	Level 1
Compaq ProLiant 2500 (2 CPUs, PP-200)	Level 1
Compaq ProLiant 3000 (2 CPUs, PII-300)	Level 1
Compaq ProLiant 3000 (2 CPUs, PII-333)	Level 1
Compaq ProLiant 3000 (2 CPUs, PIII-500)	Level 1
Compaq ProLiant 5500 (4 CPUs, PP-200)	Level 1
Compaq ProLiant 5500 (4 CPUs, PII Xeon-400)	Level 1
Compaq ProLiant 5500 (4 CPUs, PII Xeon-450)	Level 1
Compaq ProLiant 6000 (2 CPUs, PP-200)	Level 1
Compaq ProLiant 6000 (2 CPUs, PIII Xeon-500)	Level 1
Compaq ProLiant 6000 (4 CPUs, PP-200)	Level 1
Compaq ProLiant 6000 (4 CPUs, PIII Xeon-500)	Level 1
Compaq ProLiant 6400R (4 CPUs, PIII Xeon-500)	Level 1
Compaq ProLiant 6500 (4 CPUs, PP-200)[1, 2]	Level 1
Compaq ProLiant 6500R (4 CPUs, PII Xeon-400)	Level 1
Compaq ProLiant 6500R (4 CPUs, PII Xeon-450)	Level 1
Compaq ProLiant 6500R (4 CPUs, PIII Xeon-500)	Level 1
Compaq ProLiant 7000 (2 CPUs, PP-200)[2]	Level 1

TABLE 2–2 Multiprocessor Systems (SMP) *(Continued)*

System Platform	Certification Level
Compaq ProLiant 7000 (4 CPUs, PP-200)[2]	Level 1
Compaq ProLiant 7000 (4 CPUs, PII Xeon-450)[2]	Level 1
Compaq ProLiant 7000 (4 CPUs, PIII Xeon-500)[2]	Level 1
Compaq ProLiant 8000 (8 CPUs, PIII-700)[2]	Level 1
Compaq ProLiant 8500 (8 CPUs, PIII-700)[2]	Level 1
Compaq ProLiant 8500R (8 CPUs, PIII-700)[2]	Level 1
Compaq ProLiant DL360 (2 CPUs, PIII-866)	Level 1
Compaq ProLiant DL360 (2 CPUs, PIII-933)	Level 1
Compaq ProLiant DL360 (2 CPUs, PIII-1GHz)	Level 1
Compaq ProLiant DL360 (2 CPUs, PIII-1.26 GHz)	**Level 2, VTC**
Compaq ProLiant DL360 (2 CPUs, PIII-1.3 GHz)	**Level 2, VTC**
Compaq ProLiant DL380 (2 CPUs, PIII-1GHz)	Level 1
Compaq ProLiant DL580 (4 CPUs, PIII-700)	Level 1
Compaq ProLiant DL760 (8 CPUs, PIII-700)	**Level 2**
Compaq ProLiant DL760 (8 CPUs, PIII Xeon-900)	Level 1, VTC
Compaq ProLiant ML370 (2 CPUs, PIII-933)	Level 1
Compaq ProLiant ML370 (2 CPUs, PIII-1GHz)	Level 1
Compaq ProLiant ML530 (2 CPUs, PIII-933)	Level 1
Compaq ProLiant ML530 (2 CPUs, PIII-1GHz)	Level 1
Compaq ProLiant ML570 (4 CPUs, PIII-700)	Level 1
Compaq ProLiant ML570 (4 CPUs, PIII Xeon-900)	Level 1, VTC
Compaq ProLiant ML750 (8 CPUs, PIII Xeon-900)	**Level 2, VTC**
Dell PowerEdge 300 (2 CPUs, PIII-500)	Level 1
Dell PowerEdge 1400 (2 CPUs, PIII-866)	Level 1
Dell PowerEdge 2200 (2 CPUs, PII-266)	Level 1
Dell PowerEdge 2200 (2 CPUs, PII-266+RAID)	Level 1
Dell PowerEdge 2300 (2 CPUs, PII-400)	Level 1
Dell PowerEdge 2450 (2 CPUs, PIII-667)	Level 1

TABLE 2–2 Multiprocessor Systems (SMP) *(Continued)*

System Platform	Certification Level
Dell PowerEdge 2500 (2 CPUs, PIII-933)	**Level 2**
Dell PowerEdge 2500 (2 CPUs, PIII-1GHz)	**Level 2**
Dell PowerEdge 4200 (2 CPUs, PII-266+RAID)	Level 1
Dell PowerEdge 4350 (2 CPUs, PII-550)	Level 1, VTC
Dell PowerEdge 4350 (2 CPUs, PIII-450)	**Level 2, VTC**
Dell PowerEdge 6100 (2 CPUs, PP-200+RAID)	Level 1
Dell PowerEdge 6100 (4 CPUs, PP-200+RAID)	Level 1
Dell PowerEdge 6300 (4 CPUs, PII-400)	Level 1
Dell PowerEdge 6350 (4 CPUs, PIII Xeon-500)	**Level 2**
Dell PowerEdge 8450 (8 CPUs, PIII Xeon-550)	Level 1
Dell Precision WorkStation 410 (2 CPUs, PII-400)	Level 1
Dell Precision WorkStation 610 (2 CPUs, PII Xeon-450)	Level 1
Dell Precision WorkStation 610 (2 CPUs, PIII Xeon-550)	Level 1
Dell Precision WorkStation 610 (2 CPUs, PIII-600)	Level 1
Fujitsu GRANPOWER5000 Model 280 (2 CPUs, PII-400)	Level 1
Fujitsu GRANPOWER5000 Model 280 (2 CPUs, PIII-700)	Level 1
Fujitsu GRANPOWER5000 Model 580 (4 CPUs, PII Xeon-400)	Level 1
Fujitsu GRANPOWER5000 Model 580 (2 CPUs, PIII Xeon-550)	Level 1
Fujitsu GRANPOWER5000 Model 580 (4 CPUs, PIII Xeon-550)	Level 1
Fujitsu L830i 4Way (4 CPUs, PII Xeon-400)	Level 1
Fujitsu L870ie 4Way (4 CPUs, PIII Xeon-550)	Level 1
Fujitsu PRIMERGY ES210 (2 CPUs, PIII-850)	Level 1
Fujitsu PRIMERGY ES280 (2 CPUs, PIII-800)	Level 1
Fujitsu PRIMERGY ES320 (2 CPUs, PIII-933)	Level 1
Fujitsu PRIMERGY ES320 (2 CPUs, PIII-1.26 GHz)	Level 1
Fujitsu PRIMERGY MS380 (2 CPUs, PIII-850)	Level 1
Fujitsu PRIMERGY MS610 (2 CPUs, PIII Xeon-700)	Level 1
Fujitsu PRIMERGY MS610 (4 CPUs, PIII Xeon-700)	Level 1

TABLE 2–2 Multiprocessor Systems (SMP) *(Continued)*

System Platform	Certification Level
Fujitsu PRIMERGY TS220 (2 CPUs, PIII-933)	Level 1
Fujitsu PRIMERGY TS225 (2 CPUs, PIII-1.13 GHz)	Level 1
Fujitsu teamSERVER-T890i (4 CPUs, PIII Xeon-550)	Level 1
Gateway 7250R (2 CPUs, PIII-800)	Level 1
Gateway 7450R (2 CPUs, PIII-933)	Level 1
Gateway 7450R (2 CPUs, PIII-1GHz)	Level 1
Gateway 8400 (4 CPUs, PIII Xeon-500)	Level 1
Gateway 8400 (4 CPUs, PIII Xeon-700)	Level 1
Gateway 8450R (4 CPUs, PIII Xeon-700)	Level 1
Gateway E-5250 (2 CPUs, PII Xeon-400)	Level 1
GEG Express 400 X270R (4 CPUs, PIII-700)	Level 1
GEG Express 400 X270R (4 CPUs, PIII Xeon-700)	Level 1, VTC
GEG Express Q2100S (2 CPUs, PIII-1GHz)	Level 1
Hitachi HA8000/140 (2 CPUs, PIII-500)	Level 1
Hitachi HA8000/150 (2 CPUs, PIII-500)	Level 1
Hitachi HA8000/380 (8 CPUs, PII Xeon-400)	Level 1
Hitachi HA8000/380 UWRAID (4 CPUs, PII Xeon-450)	Level 1
Hitachi HA8000/380 UWRAID (8 CPUs, PII Xeon-450)	Level 1
Hitachi VisionBase8240 (2 CPUs, PIII-500)	Level 1
Hitachi VisionBase8880R (8 CPUs, PII Xeon-400)	Level 1
Hitachi VisionBase8880R UWRAID (4 CPUs, PII Xeon-450)	Level 1
Hitachi VisionBase8880R UWRAID (8 CPUs, PII Xeon-450)	Level 1
HP Kayak XA-s 6-450 PC Workstation (2 CPUs, PII-450)	Level 1
HP Kayak XU 6-266 PC Workstation (2 CPUs, PII-266)	Level 1
HP Kayak XU 6-300 PC Workstation (2 CPUs, PII-300)	Level 1
HP NetServer LCII (2 CPUs, PII-300)	Level 1
HP NetServer LHII (2 CPUs, PII-266)	Level 1
HP NetServer LH4 (2 CPUs, PII-400)[3]	Level 1

TABLE 2–2 Multiprocessor Systems (SMP) *(Continued)*

System Platform	Certification Level
HP NetServer LP-1000R (2 CPUs, PIII-1GHz)	Level 1
IBM Netfinity 5000 8659-22Y (2 CPUs, PII-400)	Level 1
IBM Netfinity 5500 8660-1RU (2 CPUs, PII-400)	Level 1
IBM Netfinity 5500 8660-4RU (2 CPUs, PII-400)	Level 1
IBM Netfinity 7000 8651-TMO (4 CPUs, PP-200)	Level 1
Intel AP450GX MP Server (4 CPUs, PP-166)	Level 1
Intel AP450GX MP Server (4 CPUs, PP-200)	Level 1
Intel DPServer C440GX+ (2 CPUs, PIII Xeon-500)	Level 1
Intel DPServer L440GX+ (2 CPUs, PIII-550)	Level 1
Intel DPServer LB440GX (2 CPUs, PIII-500)	Level 1
Intel DPServer MB440LX (2 CPUs, PII-333)	Level 1
Intel DPServer N440BX (2 CPUs, PII-350)	Level 1
Intel DPServer N440BX (2 CPUs, PII-400)	Level 1
Intel DPServer R440LX (2 CPUs, PII-300)	Level 1
Intel Lancewood (2 CPUs, PII-400)	Level 1
Intel OCPRF100 (8 CPUs, PIII Xeon-550)	Level 1
Intel QPServer AC450NX (4 CPUs, PII Xeon-400)[2]	Level 1
Intel QPServer AC450NX (4 CPUs, PIII Xeon-550)[2]	Level 1
Intel QPServer SC450NX (4 CPUs, PII Xeon-400)	Level 1
Intel SBT2 (2 CPUs, PIII-1GHz)	Level 1
Intel SKA4 (2 CPUs, PIII Xeon-500)	Level 1
Intel SKA4 (4 CPUs, PIII Xeon-500)	Level 1
Intel SPM8 (8 CPUs, PIII Xeon-700)	Level 1
Intel STL2 (2 CPUs, PIII-1GHz)	Level 1
Micron NetFrame 3100 (2 CPUs, PIII-500)	Level 1
Micron NetFrame 5200 (2 CPUs, PII-400)	Level 1
Mitsubishi Electric FT2400 (2 CPUs, PII-300)	Level 1
NCR S20R (2 CPUs, PIII-800)	Level 1

TABLE 2–2 Multiprocessor Systems (SMP) *(Continued)*

System Platform	Certification Level
NCR S25 (2 CPUs, PIII-800)	Level 1
NCR S26 (2 CPUs, PP-166, 512 KB)	Level 1
NCR S26 (2 CPUs, PP-200, 512 KB)	Level 1
NCR S26 Rack Node (2 CPUs, PII-400)	Level 1
NCR S26 Rack Node (440GX) (2 CPUs, PII-450)	Level 1
NCR S26 Refresh (2 CPUs, PII-300, 512 KB)	Level 1
NCR S26 XLPII (2 CPUs, PII-333)	Level 1
NCR S26 XLPII (2 CPUs, PII-400)	Level 1
NCR S26 XLPII (440GX) (2 CPUs, PII-450)	Level 1
NCR S27 (2 CPUs, PIII-800)	Level 1
NCR S28 (2 CPUs, PIII-800)	Level 1
NCR S29 (2 CPUs, PIII-1.266 GHz)	Level 1, VTC
NCR S50 (4 CPUs, PII Xeon-400)	Level 1
NCR S50 (4 CPUs, PIII Xeon-500)	Level 1
NCR WorldMark 4300 (2 CPUs, PP-200)	Level 1
NCR WorldMark 4300 (4 CPUs, PP-166)	Level 1
NCR WorldMark 4300 (4 CPUs, PP-200, 512 KB)	Level 1
NCR WorldMark 4300 (4 CPUs, PP-200, 1 MB)	Level 1
NCR WorldMark 4300 Rack 2NODE (4 CPUs, PP-200, 512 KB)	Level 1
NCR WorldMark 4380 (2 CPUs, PP-200, 512 KB)[4]	Level 1
NCR WorldMark 4380 (4 CPUs, PP-200, 1 MB)[4]	Level 1
NCR WorldMark 4380 (8 CPUs, PP-200, 1 MB)[4]	Level 1
NCR WorldMark 4400 (3 CPUs, PII Xeon-400)	Level 1
NCR WorldMark 4400 (4 CPUs, PII Xeon-400)	Level 1
NCR WorldMark 4455 (4 CPUs, PIII Xeon-500)	Level 1
NCR WorldMark 4455 (4 CPUs, PIII Xeon-700)	Level 1
NCR WorldMark 4465 (4 CPUs, PIII Xeon-500)	Level 1
NCR WorldMark 4465 (4 CPUs, PIII Xeon-700)	Level 1

TABLE 2–2 Multiprocessor Systems (SMP) *(Continued)*

System Platform	Certification Level
NEC Express5800-HX (4 CPUs, PP-200)	Level 1
NEC Express5800-HX4100 (4 CPUs, PP-200)	Level 1
NEC Express5800-HX4500 (4 CPUs, PII Xeon-400)	Level 1
NEC Express5800-HX4600 (2 CPUs, PII-450)	Level 1
NEC Express5800-HX6100 (6 CPUs, PP-200)	Level 1
NEC Express5800-LE2200 (2 CPUs, PII-300)	Level 1
NEC Express5800-MC2400 (2 CPUs, PII-450)	Level 1
NEC Express5800-MH4000 (2 CPUs, PP-200)	Level 1
NEC Express5800-MH4500 (2 CPUs, PII Xeon-400)	Level 1
NEC Express5800-MT2200 (2 CPUs, PII-300)	Level 1
NEC Express5800-RM4100 (2 CPUs, PP-200)	Level 1
NEC Express5800-TM1200 (2 CPUs, PIII-933)	**Level 2**
Siemens AG PRIMERGY 460 (2 CPUs, PII-266)	Level 1
Siemens AG PRIMERGY 460 (2 CPUs, PII-300)	Level 1
Siemens AG PRIMERGY 470 (2 CPUs, PII-450)	Level 1
Siemens AG PRIMERGY 670/20 (2 CPUs, PII-350)	Level 1
Siemens AG PRIMERGY 870 (2 CPUs, PII Xeon-400)	Level 1
Siemens AG PRIMERGY 870 (2 CPUs, PII Xeon-450)	Level 1
Siemens AG PRIMERGY 870 (4 CPUs, PII Xeon-400)	Level 1
Siemens AG PRIMERGY 870 (4 CPUs, PII Xeon-450)	Level 1
Toshiba Magnia 3000 (2 CPUs, PII-400)	Level 1
Toshiba Magnia 3010 (2 CPUs, PIII-500)	Level 1
Toshiba Magnia 5000 (2 CPUs, PII-400)	Level 1
Versiya SmartServer 3000 (2 CPUs, PII-400)	Level 1
Versiya SmartServer 5000 (2 CPUs, PIII-500)	Level 1
Zenith Data Systems Express5800-HX (4 CPUs, PP-200)	Level 1
Zenith Data Systems Express5800-HX4100 (4 CPUs, PP-200)	Level 1
Zenith Data Systems Express5800-HX4500 (4 CPUs, PII Xeon-400)	Level 1

TABLE 2–2 Multiprocessor Systems (SMP) *(Continued)*

System Platform	Certification Level
Zenith Data Systems Express5800-HX4600 (2 CPUs, PII-450)	Level 1
Zenith Data Systems Express5800-HX6100 (6 CPUs, PP-200)	Level 1
Zenith Data Systems Express5800-LE2200 (2 CPUs, PII-300)	Level 1
Zenith Data Systems Express5800-MC2400 (2 CPUs, PII-450)	Level 1
Zenith Data Systems Express5800-MH4000 (2 CPUs, PP-200)	Level 1
Zenith Data Systems Express5800-MH4500 (2 CPUs, PII Xeon-400)	Level 1
Zenith Data Systems Express5800-MT2200 (2 CPUs, PII-300)	Level 1
Zenith Data Systems Express5800-RM4100 (2 CPUs, PP-200)	Level 1

1. 3Com EtherLink XL 3C905B cards in a Compaq ProLiant 6500 can fail to generate interrupts. Refer to the "3Com EtherLink XL (3C900, 3C900-COMBO, 3C900B-COMBO, 3C900B-TPC, 3C900B-TPO), Fast EtherLink XL (3C905-TX, 3C905-T4, 3C905B-TX, 3C905B-T4)" Device Reference Page for additional information.
2. This system supports PCI hot-plugging.
3. This system has a built-in AMI MegaRAID 438 controller, which is *not* currently supported by the Solaris operating environment. Contact AMI to obtain information and support for this device.
4. To use the NCR 4380 model series, you must install Solaris patch `ncr4380_set`, which can be downloaded from `http://www3.ncr.com/support/solaris/alphabetical_list.shtml`.

Motherboards

These motherboards have been tested by the hardware vendor. See the Certification Reports for information about the BIOS version and the Solaris version on which the motherboard was certified.

TABLE 2–3 Motherboards

Motherboard	Certification Level
Abit KR7A-RAID (1 CPU, Athlon XP-1.8 GHz)[1]	Level 1
Acer M9N MP (2 CPUs, PII-300)	Level 1
Acer M9N MP (2 CPUs, PII-300+RAID)	Level 1
Acer M9N SP (1 CPU, PII-300)	Level 1
Acer M9N SP (1 CPU, PII-300+RAID)	Level 1
Acer V65X (1 CPU, PII-266)	Level 1
ASUS A7A266 (1 CPU, K6-3 1.2 GHz)	Level 1

TABLE 2–3 Motherboards *(Continued)*

Motherboard	Certification Level
ASUS A7M266-D (2 CPUs, Palomino-1.6 GHz)	**Level 2, VTC**
ASUS A7N266 (1 CPU, Duron-950)	**Level 2, VTC**
ASUS A7V (1 CPU, Athlon-700)	Level 1
ASUS A7V133-VM (1 CPU, Palomino-1GHz)	**Level 2, VTC**
ASUS A7V266 (1 CPU, Athlon-1.1 GHz)	Level 1
ASUS A7V266-M (1 CPU, Athlon-1.9 GHz)	**Level 2, VTC**
ASUS CUA266 (1 CPU, PIII-1GHz)	Level 1
ASUS CUSL2 (1 CPU, PIII-866)	Level 1
ASUS CUSL2-M (1 CPU, PIII-866)	Level 1
ASUS CUV26 (1 CPU, PIII-1GHz)	Level 1
ASUS CUV4X-E (1 CPU, PIII-933)	Level 1
ASUS CUV4X-ME (1 CPU, PIII-667)	Level 1
ASUS CUV4X-V (1 CPU, PIII-933)	Level 1
ASUS K7M (1 CPU, Athlon-650)	Level 1
ASUS MEB-VM (1 CPU, Celeron-400)	Level 1
ASUS MEL-B (1 CPU, Celeron-433)	Level 1
ASUS MES (1 CPU, Celeron-466)	Level 1
ASUS MES-B (1 CPU, Celeron-466)	Level 1
ASUS MES-VM (1 CPU, Celeron-400)	Level 1
ASUS MEV (1 CPU, Celeron-466)	Level 1
ASUS MEW (1 CPU, Celeron-466)	Level 1
ASUS MEW-B (1 CPU, Celeron-466)	Level 1
ASUS MEW-RM (1 CPU, Celeron-466)	Level 1
ASUS P2V-B (1 CPU, PIII-450)	Level 1
ASUS P3B-F (1 CPU, PIII-550)	Level 1
ASUS P3W-E (1 CPU, PIII-600)	Level 1
ASUS P4B-E (1 CPU, P4-1.9 GHz)	**Level 2, VTC**
ASUS P4B-FX (1 CPU, P4-1.8 GHz)	**Level 2, VTC**

TABLE 2–3 Motherboards *(Continued)*

Motherboard	Certification Level
ASUS P4B-LX (1 CPU, P4-1.7 GHz)	**Level 2, VTC**
ASUS P4B-MX (1 CPU, P4-1.9 GHz)	**Level 2, VTC**
ASUS P4B266-C (1 CPU, P4-1.9 GHz)	**Level 2, VTC**
ASUS P5S-B (1 CPU, K6-2 450)	Level 1
ASUS TUSC (1 CPU, PIII-1.2 GHz)	**Level 2, VTC**
ASUS TUSL2 (1 CPU, PIII-1GHz)	Level 1
ASUS TUSL2-M (1 CPU, Celeron-950)	**Level 2**
ASUS TUWE-M (1 CPU, Celeron-1.1 GHz)	**Level 2, VTC**
EPoX EP-MVP3G (1 CPU, K6-2 400)	Level 1
Intel CC820 (1 CPU, PIII-600)	Level 1
Intel FJ440ZX (1 CPU, Celeron-366)	Level 1
Intel KU440EX (1 CPU, Celeron-266)	Level 1
Intel JN440BX (1 CPU, PII-350)	Level 1
Intel JN440BX (1 CPU, PII-400)	Level 1
Intel JN440BX (1 CPU, PII-450)	Level 1
Intel JN440BX (1 CPU, PIII-500)	Level 1
Intel LT430TX (1 CPU, P-200 MMX)	Level 1
Intel MP440BX (1 CPU, PII-400)	Level 1
Intel MS440GX (2 CPUs, PII Xeon-400)	Level 1
Intel NX440LX (1 CPU, PII-266)	Level 1
Intel SE440BX (1 CPU, PII-350)	Level 1
Intel SE440BX (1 CPU, PII-400)	Level 1
Intel VC820 (1 CPU, PIII-600)	Level 1
Intel WS440BX (1 CPU, PII-400)	Level 1

1. The Solaris operating environment does not support the RAID controller on this motherboard.

CHAPTER 3

Supported Devices

Devices listed in this chapter have been successfully tested with Solaris 8 *Intel Platform Edition* in a varied but limited number of hardware configurations. While a complete system composed of the devices listed in this chapter should enable you to install and run the Solaris software, some combinations of devices might not be usable or might require additional configuration.

Devices in this chapter are supported by drivers included with Solaris 8 *Intel Platform Edition*. For a list of devices supported by certified third-party drivers, see Chapter 4.

AT-ISDN Adapters

TABLE 3–1 AT-ISDN Adapters

Vendor	Name/Model
Digi International	Digi Datafire-U[1]
	Digi Datafire S/T[1]

1. Driver software and support for these devices are available directly from the vendor.

Audio Devices

Devices that require additional configuration and that have a Device Reference Page in the *Solaris 8 (Intel Platform Edition) Device Configuration Guide* are marked with a # symbol.

Additional audio devices are listed in "USB Audio Devices" on page 58.

TABLE 3–2 Audio Devices

Vendor	Model
Analog Devices	AD1848 & compatibles[#]
Compaq	Business Audio
Creative Labs	Sound Blaster 16[#]
	Sound Blaster AWE32[#]
	Sound Blaster Pro[#]
	Sound Blaster Pro-2[#]
	Sound Blaster Vibra 16[#]
Various Other Boards and Devices	Drivers and support for a large number of additional sound boards and devices are available using a software driver package from 4Front Technologies. To obtain the driver package, contact the vendor:
	Tel: (310) 202-8530 USA
	Fax: (310) 202-0496 USA
	Email: `info@4front-tech.com`
	Web: `http://www.4front-tech.com`

Multiport Serial Controllers

Additional serial controllers are listed in "Supported Asynchronous Serial I/O Controllers" on page 78.

TABLE 3–3 Multiport Serial Controllers

Vendor	Model
Aurora[1]	401A (ISA 4 Port)
	Aries 8000P (PCI 8 Port)
	Aries 1600P (PCI 16 Port)
	Aurora Saturn 2520P (PCI 2 Port)
	Aurora Saturn 4520P (PCI 4 Port)
CHASE[1]	IOPRO (ISA 8 Port)

TABLE 3–3 Multiport Serial Controllers *(Continued)*

Vendor	Model
Digi International (DigiBoard)[1]	AccelePort (ISA)
	C/X Intelligent Clusters (ISA)
	EPC/X Intelligent Clusters (ISA)
	PC/8e (ISA)
	PC/8eVe
	PC/16em (16 db25 port)
	PC/Xe Intelligent Serial Adapters
	PC/Xem (ISA)
	PC/Xi Intelligent Serial Adapters
	PCI/8r (PCI)
	PCI/16em (16 db25 port)
	PCI/Xem
	Xem Intelligent Asynchronous Adapters
	Xr Intelligent Asynchronous Adapters

1. Solaris drivers for this vendor's controllers are available directly from the vendor.

Network Controllers

Ethernet Controllers

Controllers that require additional configuration and that have a Device Reference Page in the *Solaris 8 (Intel Platform Edition) Device Configuration Guide* are marked with a # symbol.

Additional network controllers are listed in "Supported Network Controllers" on page 74.

TABLE 3–4 Ethernet Controllers

Vendor	Name/Model
3Com	EtherLink 10/100 (3C905B-FX)[#]
	EtherLink III PCI Bus Master (3C590, 3C595-TX)
	EtherLink III PCMCIA (3C589, 3C589B, 3C589C, 3C589D)[#]
	EtherLink XL (3C900, 3C900-COMBO, 3C900B-COMBO, 3C900B-TPC, 3C900B-TPO)[#]
Adaptec	ANA-6901 (PCI)
	ANA-6901/C (PCI)
	ANA-6904 (PCI)
	ANA-6911A/C (PCI)[#]
	ANA-6911A/TX (PCI)[#]
	ANA-6911/TX (PCI)
	ANA-6944A 10/100 TX 4-port (PCI)
Allied Telesyn	AT-2450 10 T (PCI)
	AT-2560 10/100 TX (PCI)
AMD	PCnet-PCI controller chip[#]
	PCnet-PCI II controller chip[#]
Asante Technologies	AsanteFAST 10/100 (PCI)[1 #]
CNet	CN970EBT (PCI)
	PowerNIC CN935E (PCI)[1 #]
Cogent	EM110 T4 (PCI)[1 #]
	EM110TX (PCI)[1 #]
	EM960C (PCI)[1, 2 #]
	EM960TP (PCI)[1 #]
	EM964 QUAD (PCI)[1 #]

TABLE 3–4 Ethernet Controllers *(Continued)*

Vendor	Name/Model
Compaq	Deskpro 4000 Integrated NetFlex-3 10/100[#]
	Deskpro 6000 Integrated NetFlex-3 10/100[#]
	Netelligent 10 T PCI[3, #]
	Netelligent 10/100 TX PCI[3, #]
	NetFlex-3 DualPort 10/100TX PCI[#]
	NetFlex-3/P[3, #]
	Integrated NetFlex-3 10/100[#]
	ProLiant 800 Integrated NetFlex-3 10/100[#]
	ProLiant 2500 Integrated NetFlex-3 10/100[#]
Compex	ENET32-PCI
	ReadyLINK ENET32[1, #]
DEC	EtherWORKS 10/100[1, #]
	EtherWORKS PCI 10/100[1, #]
Diversified Technologies (DTI)	LBC5025[1, 2#]
D-Link	DE-530CT (PCI)[1, #]
	DE-530CT+ (PCI)[1, #]
	DFE-500TX (Revision B1) (PCI)
HP	PC LAN NC/16 TP J2405A
IBM	IBM 100/10 PCI Ethernet Adapter
Intel	EtherExpress PRO/10+ (PILA8400/8420) (PCI)
	EtherExpress PRO/100 (82256) (PCI)[#]
	EtherExpress PRO/100B (82557) (PCI)[4, 5#]
	EtherExpress PRO/100+ (82558/82559) (PCI)[5#]
Kingston	KNE40BT[1#]
	KNE100TX (PCI)[1#]
Mitron	LX2100p (PCI)
Osicom, Inc. (Rockwell)	RNS2300[1#]
	RNS2340 QUAD[1, 2#]

TABLE 3–4 Ethernet Controllers *(Continued)*

Vendor	Name/Model
Samsung	SEB-3000C (PCI)
SMC	EtherPower 10/100 (SMC9332BDT) (PCI)[1 #]
	EtherPower 10/100 (SMC9332DST) (PCI)[1, 2#]
	EtherPower II 10/100 (SMC9432BTX) (PCI)
	EtherPower II 10/100 (SMC9432TX) (PCI)
	EtherPower II 10/100 (SMC9432TX/MP) (PCI)
	EtherPower SMC8432BT (PCI)[1 #]
	EtherPower SMC8432BTA (PCI)[1 #]
	EtherPower SMC8432T (PCI)[1 #]
SVEC	ETHER-100TX (PN 100TX 10/100TX) (PCI)
	FD0455 EtherBoard-PCI
Texas Instruments	ThunderLAN 10/100 TX (PCI)
Znyx	NetBlaster ZX314 QUAD[1#]
	NetBlaster ZX315 DUAL[1#]
	NetBlaster ZX345[1#]
	NetBlaster ZX346 QUAD[1, 2#]
	NetBlaster ZX348 DUAL[1#]
	ZX311[1#]
	ZX312 (PCI)[1, 2#]
	ZX342 10/100 (PCI)[1, 2#]
	ZX344 QUAD[1#]

1. Because certain board revisions have been found not to work, refer to the table in the "DEC 21040, 21041, 21140, 21142, 21143 Ethernet" Device Reference Page for additional information.
2. Special configuration is required. Refer to the table in the "DEC 21040, 21041, 21140, 21142, 21143 Ethernet" Device Reference Page for additional information.
3. Refer to the "Compaq NetFlex-3, Netelligent Controllers" Device Reference Page for additional information.
4. This controller supports PXE network boot. See Appendix A.
5. This controller supports PCI hot-plugging.

Fast Ethernet Controllers

Controllers that require additional configuration and that have a Device Reference Page in the *Solaris 8 (Intel Platform Edition) Device Configuration Guide* are marked with a # symbol.

Additional network controllers are listed in “Supported Network Controllers” on page 74.

TABLE 3–5 Fast Ethernet Controllers

Vendor	Name/Model
3Com	EtherLink 10/100 (3C905B-FX, 3C905C, 3C905C-TX, 3C905C-TX-M)[#]
	EtherLink 10/100 PCI NIC for Complete PC Management (3C905C-TX-M)[1]
	EtherLink III PCI Bus Master (3C595-TX)
	EtherLink Server 10/100 (3C980, 3C980C)
	EtherLink XL (3C905-TX, 3C905-T4, 3C905B-TX, 3C905B-T4)[2#]
Adaptec	ANA-6901 (PCI)
	ANA-6901/C (PCI)
	ANA-6904 (PCI)
	ANA-6910/TX (PCI)
	ANA-6911A/C (PCI)[#]
	ANA-6911A/TX (PCI)[#]
	ANA-6911/TX (PCI)
	ANA-6922A (PCI)
	ANA-6940/TX (PCI)
	ANA-6944A 10/100 TX 4-port (PCI)
Allied Telesyn	AT-2560 10/100 TX (PCI)
AMD	PCnet-Fast[#]
Asante Technologies	AsanteFAST 10/100 (PCI)[3 #]
Cogent	EM110 T4 (PCI) [3 #]
	EM110TX (PCI)[3 #]

TABLE 3–5 Fast Ethernet Controllers *(Continued)*

Vendor	Name/Model
Compaq	Deskpro 4000 Integrated NetFlex-3 10/100[#]
	Deskpro 6000 Integrated NetFlex-3 10/100[#]
	Netelligent 10/100 TX PCI[4#]
	NetFlex-3 DualPort 10/100TX PCI[#]
	NetFlex-3/P w/100BASE-TX UTP Module, w/100VG-AnyLAN UTP Module, w/100BASE-FX Module[#]
	Integrated NetFlex-3 10/100[#]
	ProLiant 800 Integrated NetFlex-3 10/100[#]
	ProLiant 2500 Integrated NetFlex-3 10/100[#]
DEC	EtherWORKS 10/100[3#]
	EtherWORKS PCI 10/100[3#]
Diversified Technologies (DTI)	LBC5025[3, 5 #]
D-Link	DFE-570TX[#]
IBM	IBM 100/10 PCI Ethernet Adapter
Intel	EtherExpress PRO/100 (82556) (PCI)[#]
	EtherExpress PRO/100B (82557) (PCI)[1, 6 #]
	EtherExpress PRO/100+ (82558/82559) (PCI)[6#]
	EtherExpress PRO/100+ Dual-Port (82558/82559) (PCI)[6, 7 #]
	InBusiness Ethernet[#]
	PRO/100+ Management Adapter (82559) (PCI)[1]
Kingston	KNE100TX (PCI)[3#]
Osicom, Inc. (Rockwell)	RNS2300[3#]
	RNS2340 QUAD[3, 5 #]
SMC	EtherPower 10/100 (SMC9332BDT) (PCI)[3 #]
	EtherPower 10/100 (SMC9332DST) (PCI)[3, 5#]
	EtherPower II 10/100 (SMC9432BTX) (PCI)
	EtherPower II 10/100 (SMC9432TX) (PCI)
	EtherPower II 10/100 (SMC9432TX/MP) (PCI)
SVEC	ETHER-100TX (PN 100TX 10/100TX) (PCI)
Texas Instruments	ThunderLAN 10/100 TX (PCI)

TABLE 3–5 Fast Ethernet Controllers *(Continued)*

Vendor	Name/Model
Znyx	NetBlaster ZX345[3#]
	NetBlaster ZX346 QUAD[3, 5#]
	NetBlaster ZX348 DUAL[3#]
	ZX342 10/100 (PCI)[3, 5#]
	ZX344 QUAD[3#]

1. This controller supports PXE network boot. See Appendix A.
2. 3Com EtherLink XL 3C905B cards in a Compaq ProLiant 6500 can fail to generate interrupts. Refer to the "3Com EtherLink XL (3C900, 3C900-COMBO, 3C900B-COMBO, 3C900B-TPC, 3C900B-TPO), Fast EtherLink XL (3C905-TX, 3C905-T4, 3C905B-TX, 3C905B-T4)" Device Reference Page for additional information.
3. Because certain board revisions have been found not to work, refer to the table in the "DEC 21040, 21041, 21140, 21142, 21143 Ethernet" Device Reference Page for additional information.
4. Refer to the "Compaq NetFlex-3, Netelligent Controllers" Device Reference Page for tested chipsets.
5. Special configuration is required. Refer to the table in the "DEC 21040, 21041, 21140, 21142, 21143 Ethernet" Device Reference Page for additional information.
6. This controller supports PCI hot-plugging.
7. This controller supports two 10/100-Mbps interfaces on a single board.

Token Ring Controllers

Controllers that require additional configuration and that have a Device Reference Page in the *Solaris 8 (Intel Platform Edition) Device Configuration Guide* are marked with a # symbol.

Additional network controllers are listed in "Supported Network Controllers" on page 74.

TABLE 3–6 Token Ring Controllers

Vendor	Name/Model
Madge	PCI Presto[#]
	Smart 16/4 PCI BM Mk1[#]
	Smart 16/4 PCI Ringnode Mk2[#]

PC Card (PCMCIA) Devices

The PCMCIA devices that are listed in this section were tested on previous versions of Solaris *Intel Platform Edition*. Sun does not guarantee that these devices are compatible with current notebook (laptop) computer models.

Although notebook systems are not certified, many notebook systems run well with the Solaris software. The sources, which Sun does not endorse, identify systems and devices that work with Solaris *Intel Platform Edition*.

- The `solarisonintel` mailing list (`http://www.egroups.com/group/solarisonintel`) is a discussion forum for issues that are related to Solaris *Intel Platform Edition*.
- XI Graphics (`http://www.xig.com`) supports a range of video drivers for notebook devices and offers a patch to allow certain notebooks to use the PCMCIA drivers available from Solaris *Intel Platform Edition*.
- The Solaris Laptop List (x86), compiled by Phil Brown, (`http://www.bolthole.com/solaris/x86-laptops.html`) lists notebook system configurations that work with Solaris *Intel Platform Edition*.

Add-On Boards

Devices that require additional configuration and that have a Device Reference Page in the *Solaris 8 (Intel Platform Edition) Device Configuration Guide* are marked with a # symbol.

TABLE 3–7 Add-On Boards

Vendor	Name/Model
ATI Technologies	14400 ETC-EXPRESS AX/Data Modem
Hytec	HCD 22
SanDisk	Flash PC Card#
SCM Microsystems	SwapBox Classic
	SwapBox Premium
Viper	8260pA#

Modems

TABLE 3–8 Modems

Vendor	Name/Model
ActionTec	MD28801 (V.34 Fax/Modem)
APEXData	PCA-1414 (Data/Fax)
AT&T Paradyne	371-B1-001 (14.4 Data/Fax)

TABLE 3–8 Modems *(Continued)*

Vendor	Name/Model
Boca-Modem	m144pa (14.4bps V32bis Data/Fax)
Centennial Tech.	PM50003 (CT 14.4 Fax/Modem)
Compaq	SpeedPaq 192
DataRace	RediCard Version 1 (V.32bis/V.42/V.42bis Fax/Data)
	RediCard Version 2 (V.32bis/V.42/V.42bis Fax/Data)
Hayes	5361US (Accura 336 T2 + Fax) (33.6Kbps V.34)
	Optima 144
IBM	24TTMOD-W14 (14.4 Data/Fax)
	87G9800 (V.32bis/V.42/V.42bis Fax/Data)
Intel	110-US (2400 Data)
Kingston	DataRex 87G9851 (V.32bis/V.42/V.42bis Fax/Data)
Megahertz	CC3144 (V.32bis/V.42/V.42bis Fax/Data)
	XJ114 (V.32bis/V.42/V.42bis Fax/Data)
	XJ124FM (V.32bis/V.42/V.42bis Fax/Data)
	XJ214 (V.32bis/V.42/V.42bis Fax/Data)
	XJ2288 (V.32bis/V.42/V.42bis Fax/Data)
Motorola	Montana 33.6 (V.34 Fax/Modem)
SMART Modular Tech.	SmartExchange 9624 Fax/Modem
Supra	COMcard 144 (V.32bis/V.42/V.42bis Fax/Data)
US Robotics	Sun/USR WorldPort (V.32bis/V.42/V.42bis Fax/Data/Voice)

Serial Cards

TABLE 3–9 Serial Cards

Vendor	Name/Model
IBM	IBM RS-332 Serial Card
Socket Communication	SL0700 (RS-332)

SRAM Memory Cards

TABLE 3–10 SRAM Memory Cards

Vendor	Name/Model
Centennial Technologies	SRAM Card (256 KB)
	SRAM Card (512 KB)
	SRAM Card (1 MB)
	SRAM Card (2 MB)
	SR04M-15-11192-01 52795 (4 MB Recharge)
Epson	NB70-004268
	NB70-004269
	NB70-004270
IBM	0.5 MB SRAM Card
	1 MB SRAM Card
	0933155 (2 MB SRAM)
Magic Ram	SR1MBP100
	SR2MBP100
Mitsubishi	MF3513-LCDAT
	MF31M1-LCDAT
	MF32M1-LCDAT
SMART Modular Technologies	SM9SRD512KP3
	SM9SRD1MP3
	SM9SRD2MP3
	SM9SRDA1MP3
	SM9SRDA2MP3

Pointing Devices

TABLE 3–11 Pointing Devices

Vendor	Model
Appoint	Thumbelina[1]
	MousePen Pro[1]
CH Products	RollerMouse
Dyna Point	DynaTrak[1]
IBM	PS/2 2-button
	Easy Options Mouse[1]
Interlink	PortaPoint[1]
Kraft Systems	MicroTrack[1]
Logitech	C7 serial and bus mouse devices
	C9 serial and bus mouse devices
	2-Button[1]
	MouseMan serial and bus mouse devices
	MouseMan cordless
	TrackMan serial and bus mouse devices
Microsoft Corporation	Serial, bus, and PS/2 mouse devices
MicroSpeed	MicroTRAC trackball
Mouse Systems	Mouse!
	New Mouse
	PC Mouse II

1. Select "Microsoft 2-button mouse" when installing the Solaris software.

Storage Controllers and Peripherals

SCSI Host Bus Adapters

Devices that require additional configuration and that have a Device Reference Page in the *Solaris 8 (Intel Platform Edition) Device Configuration Guide* are marked with a # symbol.

Additional storage controllers are listed in "Supported Storage Controllers" on page 76.

TABLE 3–12 SCSI Host Bus Adapters

Vendor	Model
Acculogic	PCIpport Model 20

TABLE 3–12 SCSI Host Bus Adapters *(Continued)*

Vendor	Model
Adaptec	AHA-2940/2940W[#]
	AHA-2940AU[#]
	AHA-2940U[#]
	AHA-2940U2W[1#]
	AHA-2940UW[#]
	AHA-2940U2 (OEM)[1#]
	AHA-2940U2B[1#]
	AHA-2940U Dual/2940UW Dual[#]
	AHA-2944UW[#]
	AHA-2944W[#]
	AHA-2950U2B[1 #]
	AHA-3940/3940W[#]
	AHA-3940U/3940UW[#]
	AHA-3940AU/3940AUW[#]
	AHA-3940AUWD[#]
	AHA-3950U2B[1 #]
	AIC-7850[#]
	AIC-7860[#]
	AIC-7870[#]
	AIC-7880, AIC-7880 Rev. B[#]
	AIC-7890[#]
	AIC-7890A[#]
	AIC-7890AB[#]
	AIC-7891B[#]
	AIC-7895[#]
	AIC-7896[#]
	AIC-7897[#]
AMD	PCscsi[#]
	PCscsi II[#]
	PCnet-SCSI[#]

TABLE 3–12 SCSI Host Bus Adapters *(Continued)*

Vendor	Model
Compaq	32-bit Fast-Wide SCSI-2/P[#]
	Dual Channel Wide-Ultra SCSI-3 Controller (PCI)[#]
	Integrated 32-bit Fast-SCSI-2/P[#]
	Integrated 32-bit Fast-Wide SCSI-2/P[#]
	Integrated Dual Channel Wide-Ultra SCSI-3 Controller (PCI)[#]
	Integrated Wide-Ultra SCSI Controller (PCI)[#]
	Wide-Ultra SCSI Controller (PCI)[#]
DPT	PM2024 (PCI)[2 #]
	PM2044UW (PCI)[2 #]
	PM2044W (PCI)[2 #]
	PM2124 (PCI)[2 #]
	PM2124W (PCI)[2 #]
	PM2144UW (PCI)[2 #]
	PM2144W (PCI)[2 #]
DTC	DTC-3130 (PCI)[3]
	DTC-3130B (PCI)
Hitachi	PC-CS7210 (PCI)
Intel	PCISCSI (NCR 53C825)[4 #]
	PCISCSINR (NCR 53C810)[#]

TABLE 3–12 SCSI Host Bus Adapters *(Continued)*

Vendor	Model
LSI Logic (formerly Symbios Logic or NCR)	NCR 53C810[#]
	NCR 53C810A[#]
	NCR 53C815[#]
	NCR 53C820[4#]
	NCR 53C825[4#]
	NCR 53C825A[4#]
	NCR 53C860[#]
	NCR 53C875[#]
	NCR 53C875J[#]
	NCR 53C876[#]
	NCR 53C895[1#]
	SYM21002[1, 5#]
	SYM22910[1, 5#]
	SYM53C896[5#]
QLogic	QLA510[#]

1. This adapter supports PCI hot-plugging.
2. This adapter can be made RAID-capable with the addition of a Hardware Disk Array module.
3. This adapter does not have the SDMS BIOS on board. It should be used only on a system that contains the SCSI BIOS as part of its main system BIOS.
4. Wide SCSI not yet supported in Solaris driver.
5. To perform a Solaris installation using Solaris Web Start 3.0, you must use version 4.07.01 of the `symhisl` driver. To obtain this driver, go to the LSI web site.

SCSI RAID Controllers

Controllers that require additional configuration and that have a Device Reference Page in the *Solaris 8 (Intel Platform Edition) Device Configuration Guide* are marked with a # symbol.

Additional storage controllers are listed in "Supported Storage Controllers" on page 76.

TABLE 3–13 SCSI RAID Controllers

Vendor	Model
AMI	MegaRAID 428 (PCI)[#]

TABLE 3–13 SCSI RAID Controllers *(Continued)*

Vendor	Model
Compaq	SMART-2 Array Controller (PCI)#
	SMART-2DH Array Controller (PCI)#
	SMART-2SL Array Controller (PCI)#
DPT	PM3224 (PCI)#
	PM3224W (PCI)#
	PM3334UW (PCI)#
	PM3334W (PCI)#
HP	NetRAID (AMI MegaRAID 428)
IBM	PC ServeRAID Adapter (Copperhead) (PCI)#
	ServeRAID II Ultra SCSI Adapter (PCI)#
	ServeRAID-3 Ultra2 SCSI Adapter (PCI)#
	SCSI-2 Fast/Wide RAID Adapter (PCI)
Mylex Corporation	AcceleRAID 150#
	AcceleRAID 250#
	DAC960P/DAC960PD (PCI)#
	DAC960PD-Ultra (PCI)#
	DAC960PG (PCI)#
	DAC960PJ (PCI)#
	DAC960PL (PCI)#

CD-ROM/DVD-ROM Drives

Additional CD-ROM and DVD-ROM drives are listed in "USB Storage Devices" on page 61.

Note – The DVD-ROM drives listed in the following table can be used for reading and for booting the Solaris operating environment. Those drives that support reading only are marked with a footnote.

TABLE 3–14 CD-ROM/DVD-ROM Drives

Vendor	Model	Type
Acer	CD-920E (20x)	ATAPI/IDE
	CD-924E (24x)	ATAPI/IDE
	CD-936E (36x)	ATAPI/IDE
	OIP-CD4800A (48x)	ATAPI/IDE
AOpen	CD-932E (32x)	ATAPI/IDE
	CD-940E (40x)	ATAPI/IDE
	CD-948E (48x)	ATAPI/IDE
Asus	CD-S400 (40x)	ATAPI/IDE
	CD-S500 (50x)	ATAPI/IDE
Chinon	CDS435	SCSI
	CDS525	SCSI
	CDS535[1]	SCSI
Creative Labs	DVD-1242E (Encore 12x)[2]	ATAPI/IDE
	DVD-2240E	ATAPI/IDE
	DVD-5241E	ATAPI/IDE
GoldStar	8241B	ATAPI/IDE
	CRD-8160B (16x)	ATAPI/IDE
	CRD-8161B (16x)	ATAPI/IDE
	CRD-8240B	ATAPI/IDE
	CRD-8400B (40x)	ATAPI/IDE
	GCD-R320B	SCSI
	GCD-R520B	ATAPI/IDE
	GCD-R580B (8x)	ATAPI/IDE

TABLE 3–14 CD-ROM/DVD-ROM Drives *(Continued)*

Vendor	Model	Type
Hitachi	CDR-1900S	SCSI
	CDR-3750	SCSI
	CDR-6750	SCSI
	CDR-7730	ATAPI/IDE
	CDR-7930 (8x)	ATAPI/IDE
	CDR-8130 (16x)	ATAPI/IDE
	CDR-8235 (24x)	ATAPI/IDE
	CDR-8330 (24x)	ATAPI/IDE
	CDR-8335 (24x)	ATAPI/IDE
	CDR-8430 (32x)	SCSI
	GD-5000 DVD-ROM[2]	ATAPI/IDE
	GD-8000 DVD-ROM	ATAPI/IDE
LG Electronics	CRD-8160B	ATAPI/IDE
	CRD-8240B	ATAPI/IDE
	CRD-8241B	ATAPI/IDE
	CRD-8320B (32x)	ATAPI/IDE
	CRD-8480C (48x)	ATAPI/IDE
	GCD-R580B	ATAPI/IDE
Lion Optics	XC200SI	SCSI
LiteOn	LTN382 (40x)	ATAPI/IDE
LMSI	CM214	SCSI
	CM215	SCSI
Mitsumi	CRMC-FX001DE	ATAPI/IDE
	CRMC-FX400	ATAPI/IDE
	FX-140 (14x)	ATAPI/IDE
	FX-1600 (16x)	ATAPI/IDE

TABLE 3–14 CD-ROM/DVD-ROM Drives *(Continued)*

Vendor	Model	Type
NEC	CDR-210[3]	SCSI
	CDR-211	SCSI
	CDR-250	ATAPI/IDE
	CDR-260	ATAPI/IDE
	CDR-260R	ATAPI/IDE
	CDR-271	ATAPI/IDE
	CDR-272 (4x)	ATAPI/IDE
	CDR-272 Rev. 4.15	ATAPI/IDE
	CDR-273 (6x)	ATAPI/IDE
	CDR-280	ATAPI/IDE
	CDR-510	SCSI
	CDR-1400 (8x)	ATAPI/IDE
	CDR-1400A (8x)	SCSI-2
	CDR-1410A (8x)	SCSI-2
	CDR-1600A (12/16x)	ATAPI/IDE
	CDR-1610A (12/16x)	SCSI
	CDR-1610A (12/16x)	ATAPI/IDE
	CDR-1901A (32x)	ATAPI/IDE
	CDR-3000A (40x)	ATAPI/IDE
	CDR-3001B (40x)	ATAPI/IDE
	DV-5800A DVD-ROM	ATAPI/IDE
	Intersect CDR-74	SCSI
	Intersect CDR-84	SCSI
	MultiSpin 2Vi	ATAPI/IDE
	MultiSpin 3Xe[3]	SCSI
	MultiSpin 3Xi[3]	SCSI
	MultiSpin 3Xp Plus	SCSI
	MultiSpin 4Xe[1, 3]	SCSI
	MultiSpin 4Xi[1, 3]	SCSI
	MultiSpin 6Xi	SCSI
Optics Storage	8422IDE	ATAPI/IDE

TABLE 3–14 CD-ROM/DVD-ROM Drives *(Continued)*

Vendor	Model	Type
Panasonic	LK-MC509S	SCSI
	LK-MC579B	ATAPI/IDE
	LK-MC608B (8x)	SCSI
	LK-MC688B (8x)	ATAPI/IDE
Panasonic/Matsushita	CR-504B (4x)	SCSI
	CR-508 (24x)	SCSI
	CR-572B	ATAPI/IDE
	CR-583 (8x)	ATAPI/IDE
	CR-587 (24x)	ATAPI/IDE
	CR-588 (32x)	ATAPI/IDE
	CR-589 (32x)	ATAPI/IDE
	CR-594 (48x)	ATAPI/IDE
Philips	CM207	ATAPI/IDE
	CM215	SCSI
	CM425A	SCSI
	PCA532 DVD-ROM	ATAPI/IDE
Pioneer	DR-U06S (32x)	SCSI
	DR-U12X (12x)	SCSI
	DRM-604X[1, 4]	SCSI
	DRM-624X[1, 4]	SCSI
	DVD-103S	ATAPI/IDE
	DVD-106S/DVD-A06S[2]	ATAPI/IDE
	DVD-115 1.11	ATAPI/IDE
	DVD-303S-A	SCSI
	DVD-304 1.03	SCSI
	DVD-304S	SCSI

TABLE 3–14 CD-ROM/DVD-ROM Drives *(Continued)*

Vendor	Model	Type
Plextor	DM3028	SCSI
	PX-4XCEi	SCSI
	PX-8XCSi	SCSI
	PX-12CSi	SCSI
	PX-12TSi	SCSI
	PX-20TSi	SCSI
	PX-40TSi (40x)	SCSI
	PX-43CE (4.5 Plex)	SCSI
	PX-43CH (4 Plex)	SCSI
	PX-43CS	SCSI
	PX-45CH	SCSI
	PX-45CS	SCSI
	PX-63CS (6 Plex)	SCSI
	PX-65CS (6 Plex)	SCSI
	PX-83CS (8 Plex)	SCSI
	UltraPlex PX-32CSi (32 Plex)	SCSI
	UltraPlex PX-32TSi (32 Plex)	SCSI
Reveal	4X Internal	ATAPI/IDE
Samsung	SD-608	ATAPI/IDE
	SN-124 (24x)	ATAPI/IDE
Sanyo	CDR-400I	SCSI
	CDR-H93RMV	SCSI
	CRD-254P	ATAPI/IDE
	CRD-1332P (32x)	ATAPI/IDE
Sanyo-TORiSAN	CDR-S1G	ATAPI/IDE
	CDR-S18	ATAPI/IDE

TABLE 3–14 CD-ROM/DVD-ROM Drives *(Continued)*

Vendor	Model	Type
Sony	CDU-55E	ATAPI/IDE
	CDU-55S[5]	SCSI
	CDU-561	SCSI
	CDU-571 (16x)	ATAPI/IDE
	CDU-611 (20x)	ATAPI/IDE
	CDU-701 (32x)[6]	ATAPI/IDE
	CDU-76E	ATAPI/IDE
	CDU-76S	SCSI
	CDU-77E	ATAPI/IDE
	CDU-6211	SCSI
	CDU-6811	SCSI
	CDU-7211	SCSI
	CDU-7811	SCSI
	CDU-8012	SCSI
	DDU-100E DVD-ROM[2]	ATAPI/IDE
	DDU-220E DVD-ROM	ATAPI/IDE
	DDU-1621 DVD-ROM	ATAPI/IDE
Sun Microsystems	SunCD	SCSI
Tae I1 Media Co.	TechMedia CDD-6100 10X	ATAPI/IDE
TEAC	CD-56E	ATAPI/IDE
	CD-224E (24x)	ATAPI/IDE
	CD-516S (16x)	SCSI
	CD-532E (32x)	ATAPI/IDE
	CD-540E (40x)	ATAPI/IDE
Texel	DM3024	SCSI
	DM3028	SCSI
	DM5021	SCSI
	DM5024	SCSI
	DM5028	SCSI

TABLE 3–14 CD-ROM/DVD-ROM Drives *(Continued)*

Vendor	Model	Type
Toshiba	4101-TA	SCSI
	5201B	SCSI
	SD-M1002 DVD-ROM	ATAPI/IDE
	SD-M1201 DVD-ROM	SCSI
	SD-M1202 DVD-ROM	ATAPI/IDE
	SD-M1402 DVD-ROM	ATAPI/IDE
	SD-M1502 DVD-ROM	ATAPI/IDE
	TXM-3201	SCSI
	TXM-3301	SCSI
	TXM-3401	SCSI
	TXM-3701-D1	SCSI
	XM-3501B	SCSI
	XM-3601B	SCSI
	XM-3801B	SCSI
	XM-5302B	ATAPI/IDE
	XM-5522B	ATAPI/IDE
	XM-5602B (8x)	ATAPI/IDE
	XM-5701B	SCSI
	XM-5701TA (12x)	SCSI
	XM-5702B (12x)	ATAPI/IDE
	XM-6002B	ATAPI/IDE
	XM-6201B (32x)	SCSI
	XM-6202B (32x)	ATAPI/IDE
	XM-6402B (36x)	ATAPI/IDE
	XM-7002B (24x)	ATAPI/IDE
Wearnes	CDD-120[7]	ATAPI/IDE

1. Various CD-ROM players might not be fully SCSI-compliant in their handling of the `CDROMREADHEADER` command. This might cause failures from `vold` not mounting an eligible CD-ROM. The workaround is to mount the CD-ROM manually.
2. This DVD-ROM drive supports reading only.
3. Early versions of NEC firmware were not fully SCSI-compliant. These drives might only work if synchronous negotiation and disconnect are disabled on the SCSI adapter used with the CD-ROM drive, or if the drive is jumpered to use `scsi-1` commands, as appropriate.
4. Only the first CD-ROM in the Pioneer DRM-604X CD-ROM changer is supported by default.
5. This drive does not work with the Adaptec AHA-2940 SCSI HBA.

6. Firmware must be at least version 1.0r to boot from the CD.
7. This CD-ROM drive must have at least BIOS 1.0.

Jaz/Zip Drives

Additional Jaz and Zip drives are listed in "USB Storage Devices" on page 61.

TABLE 3–15 Jaz/Zip Drives

Vendor	Model	Type
Iomega	2250S Zip 250MB	SCSI
	V2008i Jaz 2GB	SCSI
	Z100A Zip 100MB	ATAPI/IDE

SCSI Tape Drives

The tape drives in the following table have been tested with the `st` tape driver software. The tape drives were tested using the Legato Tape Exerciser program to verify basic functionality and general compatibility with Solaris *Intel Platform Edition.*

TABLE 3–16 SCSI Tape Drives

Vendor	Model
ANDATACO	Rapid Tape Array
Archive	2150S 150 MB
	2525 QIC-525
	4320 4mm
	4324 4mm
	Python 28454 4mm
	Python 28388 4mm
	Viper
Compaq	DLT 4000
	DLT 7000
Conner	CTD 2004 4mm
	CTD 4004 4mm
	CTD 8004H 4mm

TABLE 3–16 SCSI Tape Drives *(Continued)*

Vendor	Model
DEC	DLT 2000
Exabyte	Eliant 820 7/14 GB 8mm
	EXB-4200 4mm
	EXB-8200 8mm
	EXB-8500 8mm
	EXB-8505 8mm
	EXB-8505XL 7/14 GB 8mm
	EXB-8900 Mammoth 20/40 GB 8mm

TABLE 3–16 SCSI Tape Drives *(Continued)*

Vendor	Model
HP	1557A DDS3 autoloader[1, 2]
	Colorado Memory Systems PowerTape 1100 QIC
	Colorado Memory Systems PowerTape 2400 QIC
	Colorado Memory Systems PowerTape 4000 QIC
	Colorado Memory Systems PowerDAT 6000 4mm[2]
	35470A DDS 4mm
	35480A DDS/Data Compression 4mm
	C1528E 4mm
	C1533-00100 DDS2/Data Compression 4mm
	C1534A DDS Tape Drive 4mm
	C1536A DDS/Data Compression 4mm
	C1537 DDS3 4mm
	C1520F SureStore Tape 2000e 4mm
	C1525F SureStore Tape 2000i 4mm
	C1521F SureStore Tape 5000e 4mm
	C1526F SureStore Tape 5000i 4mm
	C1551A SureStore Tape 5000eU 4mm
	C1529F SureStore Tape 6000e 4mm
	C1528F SureStore Tape 6000i 4mm
	C1552A SureStore Tape 6000eU 4mm
	C1520E JetStore 2000e 4mm
	C1520E JetStore 2000i 4mm
	C1526E JetStore 5000i 4mm
	C1529A JetStore 5000i 4mm
	C5683A DDS4
	JetStore 5000e 4mm
	SureStore DAT8[2]
	SureStore DAT24[2]
	SureStore DAT24x6e[1, 2]
	SureStore T4

TABLE 3–16 SCSI Tape Drives *(Continued)*

Vendor	Model
Quantum	DLT 4000
	DLT 7000
Seagate	Hornet NS20 Travan
	Scorpion 24 DAT
Sony	SDT 5000 4mm
	SDT 5200 4mm
	SDT 7000 DDS2
	SDT 9000 DDS3
Sun Microsystems	DLT drives, all shipping models up to DLT 7000
	x660A 150 MB QIC
	x814A 5.0 GB 8mm
	x822A 4mm
	x6101A 2.5 GB QIC SCSI
	x6102A 2.5 GB QIC SCSI
	x6103A 2.5 GB QIC SCSI
Tecmar	3800 DDS2 4/8 GB 4mm
	3900 DDS3 12/24 GB 4mm
	Travan NS8 4/8 GB
	Travan NS20 10/20 GB
	WangDAT 3400DX
	Wangtek 52000
	Wangtek TS420C
Tandberg	Panther 525S
	SLR5
	SLR50
	TDC 3820
	TDC 4120
	TDC 4220
	TDC 4222
	TDC 6122

TABLE 3–16 SCSI Tape Drives *(Continued)*

Vendor	Model
WangDAT	3400DX DDS-2 4mm
	3800 DDS-2 4mm
Wangtek	51000 QIC
	52000 QIC
	5525ES QIC
	9500DC QIC

1. This tape drive requires third-party software.
2. Testing has shown that these switch settings are best: Set switches 1 through 8 to 11001100.

USB Devices

The Universal Serial Bus (USB) peripherals in the following tables have been tested on machines running the Solaris operating environment. Though not specifically tested, other devices of these classes should work.

Only the Universal Host Controller Interface (UHCI) is supported in Solaris 8 *Intel Platform Edition*.

USB Audio Devices

TABLE 3–17 USB Audio Devices

Vendor	Name/Model
Phillips Electronics	DSS330 Digital Speaker System
Telex	Super-Directional USB Digital Desktop Microphone (M-560)

USB Hubs

TABLE 3–18 USB Hubs

Vendor	Name/Model
Asante Technologies	Friendly NET-Home USB Hub-7
Belkin Components	ExpressBus 4-Port USB Hub
	ExpressBus 7-Port USB Hub
Inside Out	Hubport/4 (4 port)
	Hubport/7 (7 port)
SIIG	USB Hub 4000 (4 port)

USB Keyboards

TABLE 3–19 USB Keyboards

Vendor	Name/Model
Belkin Components	USB Classic Keyboard
PFU	Happy Hacking Keyboard Lite 2
	PD-KB200/U
Sun Microsystems	Type 6 Keyboard

USB Pointing Devices

TABLE 3–20 USB Pointing Devices

Vendor	Name/Model
Belkin Components	USB Classic Mouse
Logitech	TrackMan Marble Wheel USB Mouse
Lynx	96-USB Mouse
Microsoft Corporation	IntelliMouse 1.1
Sun Microsystems	3 Button Crossbow Mouse

USB Printers

TABLE 3–21 USB Printers

Vendor	Name/Model
Lexmark	Optra Color 45
	Optra E310
	Optra M410
	Optra T616
	Optra W810
Xerox	DocuPrint N2125

Note – Use the USB parallel printer adapters with the USB parallel printers (see the following two tables).

TABLE 3–22 USB Parallel Printer Adapters

Vendor	Name/Model
Belkin Components	USB Parallel Printer Adapter F5U002
Entrega	UP-6

TABLE 3–23 USB Parallel Printers

Vendor	Name/Model
Hewlett Packard	LaserJet 6MP
Lexmark	Optra Color 45
	Optra SC 1275
Sun Microsystems	SparcE
Xerox	DocuPrint N17

USB Storage Devices

TABLE 3–24 USB Storage Devices

Vendor	Name/Model
Addonics	USB CD-RW
	USB DVD-ROM (CD-R, DVD-ROM media)
	USB Hard Disk
Castlewood Systems	ORB 2.2 GB External USB drive (ORB2UE00/ORB2UE01)
Hagiwara Sys-Com	FlashGate (SmartMedia) read/write drive (2, 4 MB (5V); 2, 4, 8, 16, 32, 64 MB (3.3V) media)
	FlashGate CF (CompactFlash) read/write drive (8, 16, 32, 48, 64, 96, 128 MB (3.3V and 5V) media)
	FlashGate CompactFlash Reader/Writer HBC UC10
	FlashGate Dual SM/CF Reader/Writer HBC UD2000
	FlashGate II SmartMedia Reader/Writer HBC US20
	FlashGate III SmartMedia Reader/Writer HBC US80
	FlashGate Mini SmartMedia Reader/Writer HBC US1
Iomega Corporation	Jaz 1GB drive with Jaz USB adapter (1GB Jaz disks)
	Jaz 2GB drive with Jaz USB adapter (2GB Jaz disks)
	USB Clik! PC Card Dock (40 MB Clik! disks)
	Zip 100 USB drive (100 MB Zip disks)
	Zip 250 USB drive (250 MB Zip disks)
	ZipCD CD-RW (CD-R, CD-RW media)
SCM Microsystems	SCSI to USB converter cable

Video Display Devices

Video support is limited to a single analog video output, typically from the 15-pin mini D-sub connector on the video device. Other output formats, such as TV or digital output, that are available from some devices are not supported at this time. Multiple analog monitor output is also not supported at this time.

‘‘—’’ in the Bus column indicates that the video device uses either a PCI connector or an AGP connector, or is mounted directly on a motherboard.

The information in the Video Chip column does not guarantee that video cards made by another manufacturer using the same video device will work. Only the specific models listed by Vendor, Model, Bus, and Video Chip have been tested.

TABLE 3–25 Video Display Devices

				Resolution and Color Depth									
				800x600		1024x768		1152x900		1280x1024		1600x1200	
Vendor	Model	Bus	Video Chip	8	24	8	24	8	24	8	24	8	24
3Dlabs	Permedia 2	PCI, AGP	3Dlabs Permedia 2	✓	✓	✓	✓	✓	✓	✓	✓	✓	
AST	Manhattan 5090P[1]	—	Cirrus Logic GD5424	✓									
ATI	3D Pro Turbo PC2TV	PCI	ATI 3D RAGE II+	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	3D RAGE[2]	—	ATI 3D RAGE	✓	✓	✓		✓		✓			
	3D RAGE II[2]	—	ATI 3D RAGE II	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	3D RAGE II+[2]	—	ATI 3D RAGE II+	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	3D Xpression	PCI	ATI 3D RAGE	✓	✓	✓		✓		✓			
	3D Xpression+ PC2TV	PCI	ATI 3D RAGE II	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	All-in-Wonder	PCI	ATI 3D RAGE II+	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	Graphics Pro Turbo[3]	PCI	ATI Mach64	✓	✓	✓	✓	✓		✓			
	Graphics Pro Turbo[3]	VLB	ATI Mach64	✓	✓	✓	✓	✓		✓			
	Graphics Pro Turbo 1600	PCI	ATI Mach64	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	Graphics Xpression[3]	PCI	ATI Mach64	✓	✓	✓		✓		✓			
	Graphics Xpression[3]	VLB	ATI Mach64	✓	✓	✓		✓		✓			
	Mach64[2]	—	ATI Mach64	✓		✓							
	Mach64CT[2]	—	ATI Mach64CT	✓	✓	✓		✓		✓			
	Mach64CT Rev. 2 [2]	—	ATI Mach64CT	✓	✓	✓		✓		✓			
	Mach64VT[2]	PCI	ATI Mach64VT	✓	✓	✓		✓		✓			
	Radeon[2]	—	ATI Radeon	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

TABLE 3–25 Video Display Devices *(Continued)*

Vendor	Model	Bus	Video Chip	Resolution and Color Depth									
				800x600		1024x768		1152x900		1280x1024		1600x1200	
				8	24	8	24	8	24	8	24	8	24
	RAGE 128[2]	—	ATI RAGE 128	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	RAGE IIC[2]	PCI, AGP	ATI RAGE IIC	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	RAGE LT PRO[2]	—	ATI RAGE LT PRO	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	RAGE PRO TURBO[2]	—	ATI RAGE PRO TURBO[4]	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	RAGE XL[2]	—	ATI RAGE XL	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Video Expression	PCI	ATI Mach64VT	✓	✓	✓		✓		✓			
	Winturbo[5]	PCI	ATI Mach64	✓	✓	✓		✓		✓			
	XPERT@Play	PCI, AGP	ATI RAGE PRO TURBO[4]	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	XPERT@Work	PCI, AGP	ATI RAGE PRO TURBO[4]	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Boca	Voyager 64	PCI	S3 Trio64	✓	✓	✓		✓		✓			
Chips & Technology	65540[2]	—	F65540	✓		✓							
	65545[2]	—	F65545	✓		✓		✓					
	65548[2]	—	F65548	✓		✓		✓					
	65550[2]	—	F65550	✓		✓		✓		✓			
Cirrus Logic	5420 w/512 KB DRAM[2]	—	Cirrus Logic GD5420	✓									
	5428[2]	—	Cirrus Logic GD5428	✓		✓		✓		✓			
	5428 w/512 KB VRAM[2]	—	Cirrus Logic GD5428	✓									
	5429[2]	—	Cirrus Logic GD5429	✓		✓		✓		✓			
	5430[2]	—	Cirrus Logic GD5430	✓		✓		✓		✓			

TABLE 3–25 Video Display Devices *(Continued)*

Vendor	Model	Bus	Video Chip	Resolution and Color Depth									
				800x600		1024x768		1152x900		1280x1024		1600x1200	
				8	24	8	24	8	24	8	24	8	24
	5434[2]	—	Cirrus Logic GD5434	✓	✓	✓	✓	✓		✓			
	5436[2]	—	Cirrus Logic GD5436	✓	✓	✓		✓		✓			
	54M40[2]	—	Cirrus Logic GD54M40	✓	✓	✓		✓		✓			
	5446[2]	—	Cirrus Logic GD5446	✓	✓	✓		✓		✓			
	5465[2]	PCI, AGP	Cirrus Logic GD5465	✓	✓	✓	✓	✓		✓		✓	
	5480[2]	—	Cirrus Logic GD5480	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	7543[2]	—	Cirrus Logic GD7543	✓		✓							
Compaq	Professional Workstation 5000	PCI	MGA-2064W	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	ProLiant	—	Cirrus Logic GD5420	✓									
	ProLiant 800	—	Cirrus Logic GD5440	✓									
	ProLiant 1000	—	Cirrus Logic GD5420	✓									
	ProLiant 1500	—	Cirrus Logic GD5420	✓									
	ProLiant 2000	—	Cirrus Logic GD54M30	✓									
	ProLiant 2500	—	Cirrus Logic GD5420	✓									
	ProLiant 4000	—	Cirrus Logic GD5420	✓									
	ProLiant 4500	—	Cirrus Logic GD5424	✓									

TABLE 3–25 Video Display Devices *(Continued)*

Vendor	Model	Bus	Video Chip	Resolution and Color Depth									
				800x600		1024x768		1152x900		1280x1024		1600x1200	
				8	24	8	24	8	24	8	24	8	24
	ProLiant 5000	—	Cirrus Logic GD5424	✓									
	ProSignia[6]	—	Cirrus Logic GD5420	✓									
	ProSignia 300	—	Cirrus Logic GD5424	✓									
	ProSignia 300/500	—	Cirrus Logic GD5420	✓									
	ProSignia 300/500	—	Cirrus Logic GD5424	✓									
	QVision 2000	PCI	Matrox MGA-2	✓	✓	✓		✓		✓			
	QVision 2000 (Rev. G)	PCI	Matrox MGA-3	✓	✓	✓		✓		✓			
Creative Labs	3D Blaster RIVA TNT2[7]	AGP	NVIDIA RIVA TNT2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Graphics Blaster[7]	AGP	NVIDIA RIVA TNT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
DEC	DECpc XL 590	—	Cirrus Logic GD5428	✓									
Dell	OptiPlex DGX 590	—	ATI Mach64	✓	✓	✓		✓		✓			
	OptiPlex XMT 590	—	S3 Vision 864	✓	✓	✓		✓		✓			
Diamond	Fire GL 1000 Pro	AGP	3Dlabs Permedia 2	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	SpeedStar 64/ SpeedStar 64 Graphics 2000XL Series	ISA, PCI	Cirrus Logic GD5434	✓	✓	✓		✓		✓			
	Stealth 3D 2000	PCI	S3 ViRGE (86C325)	✓	✓	✓		✓		✓			
	Stealth 3D 2000/Pro	PCI	S3 ViRGE/DX (86C375)	✓	✓	✓	✓	✓		✓			

TABLE 3–25 Video Display Devices *(Continued)*

Vendor	Model	Bus	Video Chip	Resolution and Color Depth									
				800x600		1024x768		1152x900		1280x1024		1600x1200	
				8	24	8	24	8	24	8	24	8	24
	Stealth 3D 3000	PCI	S3 ViRGE/VX (86C988)	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	Stealth 64 DRAM/ Stealth 64 Graphics 2000 Series	PCI, VLB	S3 Vision 864	✓	✓	✓		✓		✓			
	Stealth 64 DRAM	PCI	S3 Trio64	✓	✓	✓		✓		✓			
	Stealth 64 VRAM	PCI, VLB	S3 Vision 964	✓	✓	✓	✓	✓	✓	✓			
	Stealth 64 Video 2001	PCI	S3 Vision 765	✓	✓	✓		✓		✓			
	Stealth Video DRAM/ Stealth 64 Video 2000 Series	PCI, VLB	S3 Vision 868	✓	✓	✓		✓		✓		✓	
	Stealth Video VRAM/ Stealth 64 Video 3000[8] Series	PCI	S3 Vision 968	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	Viper V770	AGP	NVIDIA RIVA TNT2[7]	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ELSA	Victory 3D	PCI	S3 ViRGE (86C325)	✓	✓	✓	✓	✓		✓			
	Winner 1000 AVI	PCI	S3 Vision 868	✓	✓	✓		✓		✓			
	Winner 1000Pro-VL[9]	VLB	S3 Vision 864	✓	✓	✓		✓		✓			
	Winner 2000Pro-PCI	PCI	S3 Vision 964	✓	✓	✓	✓	✓	✓	✓		✓	
	Winner 2000Pro-VL	VLB	S3 Vision 964	✓	✓	✓	✓	✓	✓	✓		✓	
	Winner 2000Pro-X	PCI	S3 Vision 968	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	Winner 3000-S	PCI	S3 ViRGE (86C325)	✓	✓	✓		✓		✓			
Everex	FIC 864P	PCI	S3 Vision 864	✓	✓	✓		✓		✓			
	VGA Trio 64P	PCI	S3 Trio64	✓	✓	✓		✓		✓			
	ViewPoint 64P	PCI	S3 Vision 864	✓	✓	✓		✓		✓			
Hercules	Dynamite 128/Video	PCI	Tseng ET6000	✓	✓	✓	✓	✓		✓			

TABLE 3–25 Video Display Devices *(Continued)*

Vendor	Model	Bus	Video Chip	Resolution and Color Depth									
				800x600		1024x768		1152x900		1280x1024		1600x1200	
				8	24	8	24	8	24	8	24	8	24
Hewlett-Packard	HP Vectra VL2		Cirrus Logic GD5428	✓		✓							
	HP Vectra XM2i		S3 Vision 864	✓		✓		✓					
	HP Vectra XU[10]	—	S3 Vision 864	✓	✓	✓		✓		✓			
IBM	Easy Options (VC550)[11]	ISA	Cirrus Logic GD5428			✓							
	PC 330—Model 6575	—	S3 Vision 864	✓	✓	✓		✓		✓			
	PC 330—Model 6576	—	S3 Trio64	✓		✓		✓					
	PC 350—Model 6581	—	Cirrus Logic GD5430	✓		✓		✓		✓			
	PC 360—Model 6598	—	MGA Storm	✓	✓	✓	✓	✓	✓	✓		✓	
	PC 750—Model 6885-35H	—	S3 Vision 864	✓	✓	✓		✓		✓			
	PC 750—Model 6885-J0M	—	S3 Vision 864	✓	✓	✓		✓		✓			
	PC Series 300-486	—	Cirrus Logic GD5430	✓		✓							
	PC Series 300	—	S3 Vision 864	✓	✓	✓		✓		✓			
	PC Series 700	—	S3 Vision 864	✓	✓	✓		✓		✓			
	PC Server 310—Model 8639-0DT	—	S3 Vision 868	✓		✓		✓		✓			
	PC Server 310—Model 8639-0EO	—	S3 Trio64V+	✓		✓		✓					
	PC Server 310—Model 8639-0XT	—	S3 Vision 864	✓		✓		✓					
	PC Server 320—Model 8640-0DV	—	Cirrus Logic GD5428	✓		✓							

TABLE 3–25 Video Display Devices *(Continued)*

Vendor	Model	Bus	Video Chip	Resolution and Color Depth									
				800x600		1024x768		1152x900		1280x1024		1600x1200	
				8	24	8	24	8	24	8	24	8	24
	PC Server 320—Model 8640-0NJ	—	Cirrus Logic GD5428	✓		✓							
	PC Server 320—Model 8640-0XT	—	Cirrus Logic GD5428	✓		✓							
	PC Server 320—Model 8640-0YT	—	Cirrus Logic GD5428	✓		✓							
	PC Server 320—Model 8640-MXT	—	Cirrus Logic GD5430	✓		✓							
	PC Server 325—Model 8639-ESO	—	Cirrus Logic GD5436	✓		✓		✓					
	PC Server 325—Model 8639-ESV	—	Cirrus Logic GD5436	✓		✓		✓					
	PC Server 500—Model 8641-0YR	—	Cirrus Logic GD5428	✓		✓							
	PC Server 500—Model 8641-0YT	—	Cirrus Logic GD5428	✓		✓							
	PC Server 520—Model 8641-ED2	—	Cirrus Logic GD5428	✓		✓							
	PC Server 520—Model 8641-EDG	—	Cirrus Logic GD5428	✓		✓							
	PC Server 520—Model 8641-EZS	—	Cirrus Logic GD5428	✓		✓							
	PC Server 520—Model 8641-EZV	—	Cirrus Logic GD5428	✓		✓							

TABLE 3–25 Video Display Devices *(Continued)*

Vendor	Model	Bus	Video Chip	Resolution and Color Depth									
				800x600		1024x768		1152x900		1280x1024		1600x1200	
				8	24	8	24	8	24	8	24	8	24
	PC Server 720—Model 8642-0ZO	—	Cirrus Logic GD5428	✓		✓							
	PS/ValuePoint Performance Series	—	S3 Vision 864	✓	✓	✓		✓		✓			
	VGA[12]	ISA	IBM VGA	✓									
Intel	I810	—	Intel I810	✓	✓	✓	✓	✓	✓	✓		✓	
	I815	—	Intel I815	✓	✓	✓	✓	✓	✓	✓		✓	
Intergraph	G95[13]	PCI	MGA Storm	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	ISMP (SMP 224)[14]		Cirrus Logic GD5434	✓	✓	✓	✓	✓		✓			
Matrox	Millennium	PCI	MGA Storm-R1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Millennium 220	PCI	MGA Storm-R2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Millennium 220	PCI	MGA-2064-R2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Millennium 220	PCI	MGA-2064W-R3	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Millennium II	PCI, AGP	MGA-2164W	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Millennium G200	AGP	MGA-G200	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Millennium G400	AGP	MGA-G400	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Millennium G450	—	MGA-G450	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Mystique	PCI	MGA-1064SG	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	Mystique 220	PCI	MGA-1064SG (-G or -H) (or MGA-1164SG)	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	Mystique G200	AGP	MGA-G200	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Mystique G400	AGP	MGA-G400	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Productiva G100	PCI, AGP	MGA-G100	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Micronics	Mpower 4 plus[3]	—	ATI Mach64	✓		✓							

TABLE 3–25 Video Display Devices *(Continued)*

Vendor	Model	Bus	Video Chip	Resolution and Color Depth									
				800x600		1024x768		1152x900		1280x1024		1600x1200	
				8	24	8	24	8	24	8	24	8	24
Miro	miroCRYSTAL 20SD	PCI	S3 Vision 864	✓	✓	✓		✓		✓			
	miroCRYSTAL 40SV	PCI	S3 Vision 964	✓	✓	✓	✓	✓	✓	✓			
Number Nine	#9GXE64	PCI	S3 Vision 864	✓	✓	✓		✓		✓		✓	
	#9GXE64 Pro	PCI	S3 Vision 964	✓	✓	✓	✓	✓	✓	✓		✓	
	9FX Motion 331	PCI	S3 Trio64V+	✓	✓	✓		✓		✓			
	9FX Motion 531	PCI	S3 Vision 868	✓	✓			✓		✓			
	9FX Motion 771	PCI	S3 Vision 968	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	9FX Reality 332	PCI	S3 ViRGE (86C325)	✓	✓	✓		✓		✓			
	9FX Reality 334	PCI	S3 ViRGE/GX2 (86C357)	✓	✓	✓	✓	✓		✓		✓	
	Imagine 128	PCI	Imagine 128	✓	✓	✓	✓	✓	✓	✓		✓	
	Imagine 128 Pro	PCI	Imagine 128	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Imagine 128 Series 2	PCI	Imagine 128 V2	✓	✓	✓	✓	✓	✓	✓		✓	
	Imagine 128 Series 2e[15]	PCI	Imagine 128 V2	✓	✓	✓	✓	✓		✓		✓	
	Vision330[16]	PCI	S3 Trio64	✓	✓	✓		✓		✓			
NVIDIA	RIVA TNT[7]	—	NVIDIA RIVA TNT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	TNT2[7]	—	NVIDIA TNT2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	TNT2 M64[7]	—	NVIDIA TNT2 M64	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Oak Technology	OTI107	PCI	OTI107	✓	✓	✓		✓		✓			
	OTI111	PCI	OTI111	✓	✓	✓		✓		✓			
Orchid	Kelvin 64	PCI	Cirrus Logic GD5434	✓	✓	✓		✓		✓			
	Kelvin 64[17]	VLB	Cirrus Logic GD5434	✓	✓	✓		✓		✓			

TABLE 3–25 Video Display Devices *(Continued)*

Vendor	Model	Bus	Video Chip	Resolution and Color Depth									
				800x600		1024x768		1152x900		1280x1024		1600x1200	
				8	24	8	24	8	24	8	24	8	24
S3	Trio3D[2]	PCI, AGP	S3 Trio3D (86E366)	✓	✓	✓	✓	✓		✓		✓	
	Trio64[2]	—	S3 Trio64	✓	✓	✓		✓		✓			
	Trio64V+[2]	—	S3 Trio64V+	✓	✓	✓		✓		✓			
	Trio64V2/DX[2]	—	S3 Trio64V2/DX (86C755)	✓	✓	✓		✓		✓			
	ViRGE[2]	—	S3 ViRGE (86C325)	✓	✓	✓	✓	✓		✓			
	ViRGE/DX[2]	PCI	S3 ViRGE/DX (86C375)	✓	✓	✓	✓	✓		✓			
	ViRGE/GX[2]	PCI	S3 ViRGE/GX (86C385)	✓	✓	✓	✓	✓		✓		✓	
	ViRGE/GX2[2]	PCI	S3 ViRGE/GX2 (86C357)	✓	✓	✓	✓	✓		✓		✓	
	ViRGE/VX[2]	—	S3 ViRGE/VX (86C988)	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	Vision 864[2]		S3 Vision 864	✓	✓	✓		✓		✓			
	Vision 868[2]	—	S3 Vision 868	✓		✓		✓		✓			
SPEA	V7-Mirage P-64	PCI	S3 Vision 868	✓	✓	✓		✓		✓			
STB	Lightspeed 128	PCI	Tseng ET6000	✓	✓	✓		✓		✓			
	Nitro 3D	PCI	S3 ViRGE/GX (86C385)	✓	✓	✓	✓	✓		✓		✓	
	Nitro 64 Video	PCI	Cirrus Logic GD5446	✓	✓	✓		✓		✓			
	Nitro PCI	PCI	Cirrus Logic GD5434	✓	✓	✓	✓	✓		✓			
	PowerGraph 64	PCI	S3 Trio64	✓	✓	✓		✓		✓			
	PowerGraph 64 3D	PCI	S3 ViRGE (86C325)	✓	✓	✓		✓		✓		✓	

TABLE 3–25 Video Display Devices *(Continued)*

Vendor	Model	Bus	Video Chip	Resolution and Color Depth									
				800x600		1024x768		1152x900		1280x1024		1600x1200	
				8	24	8	24	8	24	8	24	8	24
	PowerGraph 64 Video	PCI	S3 Trio64V+	✓	✓	✓		✓		✓			
	PowerGraph PRO PCI	PCI	S3 Vision 864	✓	✓	✓		✓		✓			
	Velocity 3D	PCI	S3 ViRGE/VX (86C988)	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	Velocity 64V	PCI	S3 Vision 968	✓	✓	✓	✓	✓	✓	✓		✓	
Trident	9440[18]	PCI	TGUI9440	✓		✓							
	9680	PCI	TGUI9680	✓		✓		✓		✓			
	9685	PCI	TGUI9685	✓		✓		✓		✓			
Tseng	Tseng ET6000	—	Tseng ET6000	✓	✓	✓		✓		✓			

1. Video adapters based on the Cirrus Logic GD5424 chipset with 512-Kbyte DRAM might not perform well in 800x600x256 mode, particularly if the selected monitor refresh rate is 60 Hz or higher.
2. Every video device with this chip might not work, but it is possible that your model can be used successfully.
3. Support is provided for ATI cards with ATI Mach64 chips and these RAMDACS: ATT68860, ATT20C408, ATT20C491, ATT20C498, STG1702, and STG1703.
4. The ATI RAGE PRO TURBO is the same video chip as the ATI RAGE PRO. The ATI RAGE PRO TURBO support covers ATI video chips intended for non-LCD desktop monitors.
5. The ATI Winturbo model is equivalent to the Gateway ATI GX Mach64 PCI video card.
6. The ProSignia 300 systems and some models of the ProSignia Server systems with the Cirrus Logic 5424 graphics chip are supported. Choose one of the "Cirrus Logic 5424 (512k)" entries when configuring the window system using `kdmconfig`.
7. Video adapters based on the NVIDIA RIVA TNT, TNT2, and TNT2 M64 chipset might not work well in 640x480 mode on some displays.
8. For cards using the IBM or TI RAMDACs only.
9. The ELSA Winner 1000Pro with the ATT20C498 RAMDAC is supported.
10. Both the STG1702 and the ATT21C498 RAMDACs are supported.
11. Select "Cirrus Logic 542x" when configuring the display adapter during Solaris installation.
12. 640x480, 16 colors. Any 256-Kbyte or better VGA adapter supporting standard IBM mode 0x12 graphics. For VGA with 800x600 virtual screen, select "16 color, 640x480 VGA panning @800x600 (for experts only, see docs)" when configuring the display adapter during Solaris installation. Warning: This selection enables panning mode on a standard VGA. This video mode supports a virtual resolution of 800x600, but is only capable of physically displaying 640x480 pixels at a time. This might be a preferred mode to use on small screens, but the use of panning might require some training.
13. To support the Intergraph G95, select the graphics card "Matrox MGA Millennium" when configuring the Solaris windowing system.
14. To support the Intergraph ISMP, select the graphics card "Cirrus Logic GD5434" when configuring the Solaris windowing system.
15. The 8-Mbyte version of the Number Nine Imagine 128 Series 2e is not supported.
16. Select "#9GXE 64 (Trio64)" when configuring the display adapter during Solaris installation.
17. Older versions of the Orchid Kelvin 64 VLB card have memory addressing limitations that might cause problems on systems containing 32 Mbytes or more of RAM. If you experience a problem, contact Orchid Technology for assistance.
18. This card does not work at the 1024x768 resolution with a 56-kHz refresh rate.

CHAPTER 4

Certified Controllers Supported by Third-Party Drivers

The following controllers have been certified using third-party drivers. Contact the IHV for these drivers and for support for these controllers. You can also download these drivers from the IHV Drivers for Solaris (Intel Platform Edition) page.

Each controller listed has been certified through testing at one of these levels:

Level 1	The device has passed Sun's Level 1 certification test suite, which tests basic driver functionality for Solaris compatibility.
Level 2	The controller has passed Sun's Level 2 certification test suite. The tests are rigorous enough to qualify vendors to apply to license the Solaris Ready logo. Vendors whose products are used in everyday business environments often choose Level 2 certification.
Level 3/Included	The controller has passed Sun's Level 3 certification test suite. Vendors whose products are used in enterprise and server environments often choose Level 3 certification. ■ When listed as Included, the product is already included in a Solaris release. ■ When listed as Level 3, the product might be included in a forthcoming Solaris release.
Vendor Tested Certification (VTC)	The controller has passed Sun's certification test suite at the specified level. However, the test results were not audited by Sun.

Sun disclaims any and all liability resulting from the use of these controllers.

Supported Network Controllers

Additional network controllers are listed in "Network Controllers" on page 31.

Supported FDDI Controllers

TABLE 4–1 Supported FDDI Controllers

Vendor	Controller	Certification Level	Driver Name	Driver Version
SysKonnect	SK-5521	Included	`skfp`	2.00
	SK-5522	Included		
	SK-5541	Included		
	SK-5543	Included		
	SK-5544	Included		
	SK-5821	Included		
	SK-5822	Included		
	SK-5841	Included		
	SK-5843	Included		
	SK-5844	Included		

Supported Gigabit Ethernet Controllers

TABLE 4–2 Supported Gigabit Ethernet Controllers

Vendor	Controller	Certification Level	Driver Name	Driver Version
Broadcom Corporation	BCM5700 Rev. B	Level 2	`bcme`	1.0.3
Broadcom Corporation	BCM5701	Level 2	`bcme`	2.0.21
Compaq	NC6132 1000SX Gigabit Ethernet Module for NC3131 and NC3134	Level 2	`e1000g`	2.5.17

TABLE 4–2 Supported Gigabit Ethernet Controllers *(Continued)*

Vendor	Controller	Certification Level	Driver Name	Driver Version
	NC6134 1000SX Gigabit Ethernet NIC	Level 2		
Intel	PRO/1000 F Server Adapter	Level 3	`e1000g`	2.5.17
	PRO/1000 T Server Adapter	Level 3		
Intel	PRO/1000 XT Server Adapter	Level 2	`e1000g`	3.0.25
SysKonnect	SK-9821	Included	`sk98sol`	3.07
	SK-9822	Included		
	SK-9841	Level 2		
	SK-9842	Level 2		
	SK-9843	Included		
	SK-9844	Included		
	SK-9861	Level 2		
	SK-9862	Level 2		

Supported Token Ring Controllers

TABLE 4–3 Supported Token Ring Controllers

Vendor	Controller	Certification Level	Driver Name	Driver Version
Madge	Smart 16/4 PCI Ringnode Mk2	Level 3	`mtok`	5.08
	Smart 16/4 PCI Ringnode Mk3	Level 3		
	Smart MK4 100/16/4 PCI Ringnode	Level 3		
Olicom	RF-3140	Level 2	`otr`	3.3h
	RF-3540	Level 2		

Supported Storage Controllers

Additional storage controllers are listed in “Storage Controllers and Peripherals” on page 42.

Supported SCSI Host Bus Adapters

TABLE 4–4 Supported SCSI Host Bus Adapters

Vendor	Adapter	Certification Level	Driver Name	Driver Version
Adaptec	29160	Included	`cadp160`	d1.21
	29160LP	Included		
	29160N	Included		
	39160	Included		
	AIC-7892	Included		
	AIC-7899A/B0[1]	Included		
Compaq	64-Bit/66-MHz Single Channel Wide Ultra3 SCSI Controller	Level 2	`cadp160`	d1.21
	64-Bit/66-MHz Dual Channel Wide Ultra3 SCSI Controller	Level 2		
Compaq	Dual Channel Ultra-2 SCSI Controller (896)	Level 2	`cpqncr`	3.60
	Integrated Dual Channel Wide Ultra-2 SCSI Controller	Level 2		
	Integrated Single Channel Ultra-2 SCSI Controller	Level 2		
	Integrated Single Channel Wide Ultra 2 SCSI Controller (895A)	Level 2		
LSI	53C895A	Level 3	`symhisl`	4.07.01
	53C896	Level 3		
	53C1010-33	Level 3		
	53C1010-66	Level 3		

1. This chip is certified only for add-in HBAs, not for HBAs on the motherboard.

Supported RAID Controllers

TABLE 4–5 Supported RAID Controllers

Vendor	Controller	Certification Level	Driver Name	Driver Version
AMI	Elite 1500 (467, 2-channel)	Level 2	`mega`	2i17-8
	Elite 1600 (493)	Level 2		
	Enterprise 1500 (467, 4-channel)	Level 2		
	Express 200 (466)	Level 2		
AMI	Express 500 (475)	Level 2	`mega`	2i17-12
AMI	Express 500 (475)	Level 2	`mega`	2i18
Compaq	Integrated Smart Array Controller	Level 2	`cpqary2`	1.30
	LC2 RAID Controller	Level 2		
	Smart Array 431 Controller	Level 2		
	Smart Array 4200 Controller	Level 2		
	Smart Array 4250ES Controller	Level 2		
Compaq	Integrated Smart Array Controller	Level 2	`cpqary2`	1.40
Compaq	Smart Array 221 Controller	Level 2	`smartii`	2.20
	Smart Array 3100ES Controller	Level 2		
	Smart Array 3200 Controller	Level 2		

Supported Fibre Channel Adapters

TABLE 4–6 Supported Fibre Channel Adapters

Vendor	Adapter	Certification Level	Driver Name	Driver Version
Agilent	HHBA-5100B	Included	`hpfc`	1.06
	HHBA-5101B	Included		
	HHBA-5121A	Included		
VMIC	VMIC5660	Level 1, VTC	`566x`	R02.00
	VMIC5661	Level 1, VTC		

TABLE 4–6 Supported Fibre Channel Adapters *(Continued)*

Vendor	Adapter	Certification Level	Driver Name	Driver Version
	VMIC5664	Level 1, VTC		

Supported Asynchronous Serial I/O Controllers

Additional serial controllers are listed in "Multiport Serial Controllers" on page 30.

TABLE 4–7 Supported Asynchronous Serial I/O Controllers

Vendor	Controller	Certification Level	Driver Name	Driver Version
Digi International	AccelePort C/X	Level 2	`epca`	1.8.0
	AccelePort Xem	Level 2		

APPENDIX **A**

PXE Network Boot

PXE network boot is a ‘‘direct’’ network boot. No boot media is required on the client system. PXE network boot is available only for devices that implement the Intel Preboot Execution Environment specification. See the footnotes in “Network Controllers” on page 31 for pointers to PXE-capable network adapters.

The Solaris boot diskette is still available for systems that do not support this feature. You can get the boot diskette image from `http://soldc.sun.com/support/drivers/dca_diskettes`.

Enable PXE network boot on the client system by using the BIOS setup program in the system BIOS, the network adapter BIOS, or both. On some systems you must also adjust the boot device priority list so that network boot is attempted before booting from other devices. See the manufacturer’s documentation for each setup program, or watch for setup program entry instructions during boot.

Some PXE-capable network adapters have a feature that enables PXE boot if you type a particular keystroke in response to a brief boot-time prompt. This is ideal when using PXE for an install boot on a system that normally boots from the disk drive because you do not have to modify the PXE settings. If your adapter does not have this feature, disable PXE in the BIOS setup when the system reboots after installation, and the system will boot from the disk drive.

Some early versions of PXE firmware cannot boot the Solaris system. If you have one of these older versions, your system will be able to read the PXE network bootstrap program from a boot server, but the bootstrap will not transmit packets. If this happens, upgrade the PXE firmware on the adapter. Obtain firmware upgrade information from the adapter manufacturer’s web site. Refer to the `elxl`(7D) and `iprb`(7D) man pages for more information.