



Solaris™ 10 Sun™ Hardware Platform Guide

Sun Microsystems, Inc.
www.sun.com

Part No. 817-6337-10
March 2005, Revision A

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Preface

The *Solaris 10 Sun Hardware Platform Guide* contains important information about the Sun hardware supported by the Solaris™ 10 Operating System. It describes installation resources, SPARC® platform types, and the current location of software formerly found on the Supplement CD.

Typographic Conventions

| Typeface* | Meaning | Examples |
|------------------|--------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| AaBbCc123 | The names of commands, files, and directories; on-screen computer output | Edit your <code>.login</code> file. Use <code>ls -a</code> to list all files. % You have mail. |
| AaBbCc123 | What you type, when contrasted with on-screen computer output | % su Password: |
| <i>AaBbCc123</i> | Book titles, new words or terms, words to be emphasized. Replace command-line variables with real names or values. | Read Chapter 6 in the <i>User's Guide</i> . These are called <i>class</i> options. To delete a file, type <code>rm filename</code> . |

* The settings on your browser might differ from these settings.

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Solaris 10 Sun Hardware Platform Guide, part number 817-6337-10

Solaris 10 Sun Hardware Platform Guide

This document covers the following topics:

- [“Solaris Software Installation”](#) on page 1
- [“Supported Sun SPARC Platforms”](#) on page 2
- [“Supported Graphics”](#) on page 5
- [“Power Management on Sun Hardware”](#) on page 5
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- [“Sun Validation Test Suite Software”](#) on page 8
- [“Open Boot Information”](#) on page 8

Solaris Software Installation

Before installing the Solaris 10 software, check [TABLE 1](#) for other manuals that might also apply to your situation.

TABLE 1 Specific Installation Information

| If You Want To | Go To |
|-------------------------------------------------------------|---------------------------------------------------------------------------------|
| Begin the installation process from the Solaris CD or DVD | <i>Solaris 10 Installation Guide: Basic Installations</i> |
| Perform a basic installation using a GUI | <i>Solaris 10 Installation Guide: Basic Installations</i> |
| Install the Solaris Operating System (OS) on server systems | <i>Solaris 10 Installation Guide</i> |
| Upgrade your Solaris OS from CD or DVD, or use Live Upgrade | <i>Solaris 10 Installation Guide: Solaris Live Upgrade and Upgrade Planning</i> |

TABLE 1 Specific Installation Information (*Continued*)

| If You Want To | Go To |
|----------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| Perform an unattended custom JumpStart™ installation, or create RAID-1 volumes during a JumpStart installation | <i>Solaris 10 Installation Guide: Custom JumpStart and Advanced Installations</i> |
| Create Solaris Flash archives to install the Solaris OS on multiple systems | <i>Solaris 10 Installation Guide: Solaris Flash Archives (Creation and Installation)</i> |
| Know about late-breaking news | <i>Solaris 10 Release Notes</i> |

Supported Sun SPARC Platforms

You need to know your system architecture (platform group) if you are performing one of the following tasks:

- Setting up a boot server on a subnet
- Adding clients for network installation (standalone, servers, dataless, diskless)

Note – All platforms listed in [TABLE 2](#) are part of the sun4u platform group. Refer to the *Solaris 10 Installation Guide* for information on platform groups for other systems.

You need to know the system platform name if you are writing a custom JumpStart™ installation rules file.

[TABLE 2](#) lists and categorizes the SPARC platform names and platform groups of various Sun hardware systems supported by the Solaris 10 release. All SPARC platforms are 64-bit, but can run both 64-bit and 32-bit applications. These platforms require no special installation or upgrade instructions to use the Solaris 10 release.

TABLE 2 Platform Names for Sun SPARC Systems

| Category | System | Platform Name |
|----------------------------|----------------|----------------------|
| Workstation Systems | Sun Blade™ 100 | SUNW,Sun-Blade-100 |
| | Sun Blade 150 | SUNW,Sun-Blade-100 |
| | Sun Blade 1000 | SUNW,Sun-Blade-1000 |
| | Sun Blade 1500 | SUNW,Sun-Blade-1000 |
| | Sun Blade 2000 | SUNW,Sun-Blade-1000 |
| | Sun Blade 2500 | SUNW,Sun-Blade-1000 |
| | Ultra™ 2 | SUNW,Ultra-2 |

TABLE 2 Platform Names for Sun SPARC Systems (Continued)

| Category | System | Platform Name |
|----------------------------------------|--------------------------|----------------------|
| | Ultra 5 | SUNW,Ultra-5_10 |
| | Ultra 10 | SUNW,Ultra-5_10 |
| | Ultra 30 | SUNW,Ultra-30 |
| | Ultra 60 | SUNW,Ultra-60 |
| | Ultra 80 | SUNW,Ultra-80 |
| | Ultra 450 | SUNW,Ultra-4 |
| Entry/Workgroup Servers | Sun Fire™ V100 | SUNW,UltraAX-i2 |
| | Sun Fire V120 | SUNW,UltraAX-i2 |
| | Sun Fire V210 | SUNW,Sun-Fire-V210 |
| | Sun Fire V240 | SUNW,Sun-Fire-V240 |
| | Sun Fire V250 | SUNW,Sun-Fire-V250 |
| | Sun Fire 280R | SUNW,Sun-Fire-280R |
| | Sun Fire V440 | SUNW,Sun-Fire-V440 |
| | Sun Fire V480 | SUNW,Sun-Fire-480 |
| | Sun Fire V490 | SUNW,Sun-Fire-490 |
| | Sun Fire V880 | SUNW,Sun-Fire-880 |
| | Sun Fire V890 | SUNW,Sun-Fire-890 |
| | Sun Fire B100s | SUNW,Serverblade1 |
| | Sun Fire B10n | SUNW,Serverblade1 |
| | Sun Enterprise™ 2 | SUNW,Ultra-2 |
| | Sun Enterprise Ultra™ 5S | SUNW,Ultra-5_10 |
| | Sun Enterprise Ultra 10S | SUNW,Ultra-5_10 |
| | Sun Enterprise 250 | SUNW,Ultra-250 |
| | Sun Enterprise 450 | SUNW,Ultra-4 |
| | Sun Enterprise 220R | SUNW,Ultra-60 |
| | Sun Enterprise 420R | SUNW,Ultra-80 |
| Mid-Range and Mid-Frame Servers | Sun Fire V1280 | SUNW,Netra-T12 |
| | Sun Fire 3800 | SUNW,Sun-Fire |

TABLE 2 Platform Names for Sun SPARC Systems *(Continued)*

| Category | System | Platform Name |
|-------------------------|----------------------|------------------------------|
| | Sun Fire 4800 | SUNW,Sun-Fire |
| | Sun Fire 4810 | SUNW,Sun-Fire |
| | Sun Fire 6800 | SUNW,Sun-Fire |
| | Sun Fire E2900 | SUNW,Sun-Fire |
| | Sun Fire E4900 | SUNW,Sun-Fire |
| | Sun Fire E6900 | SUNW,Sun-Fire |
| | Sun Enterprise 3000 | SUNW,Ultra-Enterprise |
| | Sun Enterprise 4000 | SUNW,Ultra-Enterprise |
| | Sun Enterprise 5000 | SUNW,Ultra-Enterprise |
| | Sun Enterprise 6000 | SUNW,Ultra-Enterprise |
| | Sun Enterprise 3500 | SUNW,Ultra-Enterprise |
| | Sun Enterprise 4500 | SUNW,Ultra-Enterprise |
| | Sun Enterprise 5500 | SUNW,Ultra-Enterprise |
| | Sun Enterprise 6500 | SUNW,Ultra-Enterprise |
| High-End Servers | Sun Fire E20K | SUNW,Sun-Fire-Enterprise-20K |
| | Sun Fire E25K | SUNW,Sun-Fire-Enterprise-25K |
| | Sun Fire 12K | SUNW,Sun-Fire-12000 |
| | Sun Fire 15K | SUNW,Sun-Fire-15000 |
| | Sun Enterprise 10000 | SUNW,Ultra-Enterprise |
| Netra™ Servers | Netra 20 | SUNW,Netra-T4 |
| | Netra 120 | SUNW,UltraAX-i2 |
| | Netra 240 | SUNW,Netra-240 |
| | Netra 440 | SUNW,Netra-440 |
| | Netra 1280 | SUNW,Netra-T12 |
| | Netra T1 AC200/DC200 | SUNW,UltraAX-i2 |
| | Netra X1 | SUNW,UltraAX-i2 |
| | Netra ct 400 | SUNW,UltraSPARC-III-Netract |
| | Netra ct 800 | SUNW,UltraSPARC-III-Netract |

TABLE 2 Platform Names for Sun SPARC Systems (Continued)

| Category | System | Platform Name |
|----------|--------------|-----------------------------|
| | Netra CT 820 | SUNW,Netra-CP2300 |
| | Netra CP2300 | SUNW,Netra-CP2300 |
| | Netra t1 100 | SUNW,UltraSPARC-III-cEngine |
| | Netra t1 105 | SUNW,UltraSPARC-III-cEngine |
| | Netra t 1120 | SUNW,Ultra-60 |
| | Netra t 1125 | SUNW,Ultra-60 |
| | Netra t 1400 | SUNW,Ultra-80 |
| | Netra t 1405 | SUNW,Ultra-80 |

For information on supported x86 based systems, refer to the *Solaris Hardware Compatibility List*, found online at:

<http://www.sun.com/bigadmin/hcl>

Supported Graphics

The *Sun Graphics Platform Matrix* lists the graphics accelerators and the Sun hardware and software platforms supported by each. You can access all graphics accelerator documentation, including the *Sun Graphics Platform Matrix*, at:

<http://www.sun.com/desktop/products/graphics>

See the *Solaris Handbook for Sun Frame Buffers*, included in the Solaris 10 on Sun Hardware collection, for information on previously released cards.

Power Management on Sun Hardware

The United States Environmental Protection Agency created the Energy Star® guidelines for computer products to encourage the use of energy-efficient computer systems and to reduce air pollution associated with energy generation.

To meet these guidelines, Sun Microsystems, Inc. designs hardware to use power efficiently. It also provides Power Management software with which to configure the power management settings. Refer to the *Solaris Common Desktop Environment: User's*

Guide in the Solaris 10 documentation collections for more information on Power Management software features, defaults, and commands to determine which version works with your system.

Former Supplement CD Contents

The CD labeled Solaris *x* Software Supplement, also called the Supplement CD, is no longer provided with Solaris releases and is no longer a separate portion of the Solaris DVD. The software and documents formerly found there during Solaris 9 releases are now on other CDs and DVDs, or available for download from the Sun Microsystems software download site. [TABLE 3](#) shows the new locations of the items formerly found on the Supplement CD.

TABLE 3 Former Supplement CD Contents

| Product | Last Version on Supplement CD | New Location |
|------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------|
| Java3D™ | 1.3.1 | http://java.sun.com |
| OpenGL® software | 1.3 | Main Solaris packages |
| Sun Enterprise 10000 SSP | 3.5 | http://sun.com/software/download |
| Sun Enterprise 10000 Capacity on Demand | 1.0 | http://sun.com/software/download |
| Sun Fire 15K SMS | 1.4 | http://sun.com/software/download |
| Lights Out Management | 2.0 | http://sun.com/software/download |
| Netra ct Platform | 1.0 | http://sun.com/software/download |
| Netra t11xx Alarms | 2.0 | http://sun.com/software/download |
| Sun Fire B10n Load Balancing Blade | 1.1 | http://sun.com/software/download |
| Sun Fire 880 FC-AL Backplane Firmware | 1.0 | http://sun.com/software/download |
| SunForum™ | 3.2 | http://sun.com/software/download |
| Sun Remote System Control (RSC) for Sun Enterprise Servers | 2.2.2 | http://sun.com/software/download |
| SunATM™ driver | 5.1 | http://sun.com/software/download |
| SunHSI™ PCI driver | 3.0 | http://sun.com/software/download |
| SunVTS™ software | 5.1 | Solaris EV directory |
| WBEM Dynamic Reconfiguration (WDR) | 1.0 | http://sun.com/software/download |

Solaris on Sun Hardware Document Collection

The Solaris on Sun Hardware document collection, formerly found on the Supplement CD, can now be found both on the Documentation DVD and at:

<http://docs.sun.com>

Network Adapter Driver Platform Notes

To determine which network adapter device driver a system is using, use the `ifconfig -a` command. This command displays a list of all network connections that have been plumbed.

[TABLE 4](#) lists the device names and Platform Notes for network adapters whose device drivers are supplied with the Solaris media. For information on other device drivers, see the System Administrator Collection for your Solaris version at:

<http://docs.sun.com>

TABLE 4 Network Adapter Device Driver Documentation

| Device Name | Platform Note |
|--------------------|--------------------------------------------------------------|
| ge | <i>Platform Notes: The Sun GigabitEthernet Device Driver</i> |
| hme | <i>Platform Notes: The hme FastEthernet Device Driver</i> |
| eri | <i>Platform Notes: The eri FastEthernet Device Driver</i> |
| ce | <i>Platform Notes: Sun GigaSwift Ethernet Device Driver</i> |
| qfe | <i>Platform Notes: Sun Quad FastEthernet Device Driver</i> |

Sun Validation Test Suite Software

The SunVTS validation test suite is a diagnostic tool designed to test Sun hardware. Its multiple diagnostic hardware tests verify the connectivity and functionality of most hardware controllers and devices for SPARC and x86 architectures. SunVTS also provides an infrastructure for programmers to develop their own tests and run them using the SunVTS interface.

SunVTS software is not installed by default. To find and use the latest version of the SunVTS software, refer to the SunVTS documentation in the Solaris on Sun Hardware collection at:

<http://docs.sun.com>

Open Boot Information

The information about OpenBoot™ emergency procedures, formerly found in this document, can be found in the *OpenBoot 4.x Command Reference Manual*.