Sun Fire™ V125 Server Product Notes

Sun Microsystems, Inc.
www.sun.com

Part No. 819-7424-12
December 2007, Revision A

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Preface

This document includes late-breaking information about the Sun Fire™ V125 server.

Using UNIX Commands

This document does not contain information about basic UNIX® commands and procedures such as shutting down the system, booting the system, and configuring devices. Refer to the following for this information:

- Software documentation that you received with your system
- Solaris™ Operating System documentation, which is at:

  http://docs.sun.com

Shell Prompts

Shell	Prompt
C shell	*machine-name*%
C shell superuser	*machine-name*#
Bourne shell and Korn shell	$
Bourne shell and Korn shell superuser	#

Typographic Conventions

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

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

Related Documentation

Application	Title	Part Number	Format	Location
General information	*Sun Fire V125 Server Getting Started Guide*	819-7423	HTML and PDF	Online
Installation	*Sun Fire V125 Server Installation Guide*	819-7422	HTML and PDF	Online
Administration	*Sun Fire V125 Server Administration Guide*	819-7420	HTML and PDF	Online
Service	*Sun Fire V125 Server Service Manual*	819-7421	HTML and PDF	Online
Compliance and safety	*Sun Fire V125 Server Safety and Compliance Manual*	819-7425	HTML and PDF	Online
Lights out management	*Sun Advanced Lights Out Manager (ALOM) 1.6 Administration Guide*	819-2445	PDF and HTML	Online

You can obtain copies of these documents at the following site:

`http://www.sun.com/documentation`

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Sun Fire V125 Server Product Notes, part number 819-7424-12

Sun Fire V125 Server Product Notes

This document contains the late-breaking news about the Sun Fire V125 server.

Topics include:

- "Shipping Kit Contents" on page 1
- "Operating System" on page 2
- "Platform Name Output" on page 2
- "ALOM Issues" on page 2
- "Communicating With the Server" on page 3
- "Hardware and Software Issues" on page 7

Generally, this information was discovered after the release of the documentation set. However, this document might also contain information that does not normally fit in the other documents in the Sun Fire V125 documentation set.

Shipping Kit Contents

The shipping kit might contain different items than those described on the packing list. For example, to promote eco-responsibility, the kit might no longer contain the RJ-45 Ethernet cable, the antistatic wriststrap, or other ancillary items. Alternatively, serial adapters, fasteners, or other items not listed on the packing list might be included to enhance the customer experience. Contact Sun Microsystems, Inc. to purchase the items you need. These ancillary items also might be available at computer supply stores.

Operating System

If you need to reinstall the operating system for the Sun Fire V125 server, you must use the minimum level of the Solaris Operating System and apply the latest version of required patches in the following list:

- Solaris 8 2/04
- Solaris 9 9/04
- Solaris 10 3/05

Platform Name Output

On the Sun Fire V125 server, the platform name varies depending on the software you use to get the name. The following list describes the differences:

- In the Solaris Operating System, the `uname`(1M) command returns the following platform name: `SUNW,Sun-Fire-V210`
- In the OpenBoot™ PROM firmware, the `prtconf` and `prtdiag` commands return the following platform name: `SUNW,Sun-Fire-V125`

Note – The `prtconf` command is the preferred method for obtaining the platform name.

ALOM Issues

The first time you log in to the Sun Advanced Lights Out Manager (ALOM) software you will be logged in as the `admin` user, and you will be prompted to set the password for the `admin` user.

A new ALOM NVRAM variable, `if_connection`, has been added to the ALOM software. The `if_connection` variable controls the network connection type (Telnet or SSH). SSH is the default setting.

For more information, refer to the *Sun Advanced Lights Out Manager (ALOM) 1.6 Administration Guide*.

Communicating With the Server

This section provides information on connecting a console device to the server.

The chapter contains the following section.

- "Setting Up a Console Connection to the Server" on page 3
- "Connecting to the Server Using a System Running Microsoft Windows" on page 4
- "Using the Sun Fire V125 Server With a Terminal Server" on page 6

Setting Up a Console Connection to the Server

In order to communicate with the server you must connect a console to it.

Whichever type of device you use as a console, make the physical connection to the server by connecting to the appropriate port on the console and to the SERIAL MGT port on the back of the server.

▼ To Connect to the Server Using a Sun Workstation

1. **Connect to the server using an RJ-45 patch cable.**
2. **From a terminal session, type:**

```
# tip /dev/term/a -9600
```

In the proceeding example, the `tip` command is for a workstation that is using its TTYA serial port to connect to the server. If you later configure your workstation to use TTYB, type the following to set up a Tip session:

```
# tip /dev/term/b -9600
```

Note – The commands given here will change if the serial connection settings have been reconfigured.

▼ To Connect to the Server Using an ASCII Terminal

1. **Set up a connection between the terminal and the Sun Fire V125 server.**
2. **For the General terminal settings, refer to the terminal's operating manual.**
3. **Make the setting changes shown in the following table.**

TABLE 0-1

Property	Setting
Duplex	Full
Bit Rate	9600
Parity	No
Data Bits	8
Stop Bit	1
Flow Control	None
VT100 Emulation	On (if applicable)

Connecting to the Server Using a System Running Microsoft Windows

If you want to configure and operate a Sun Fire V125 server from a PC or laptop running Microsoft Windows, you can do so using the Windows Hyperterminal.

Note – The following procedure relates to Windows 98. Other variants of Microsoft Windows might differ slightly.

Note – If you use a Palm Pilot or similar device, ensure that Hot Sync Manager is closed. If it is not, you will not be able to communicate with the server from your PC or laptop.

▼ To Connect to the Server

1. **Connect the RJ-45 patch cable to the port labeled SERIAL MGT on the rear of the server.**
2. **Connect the other end of the patch cable to the DB-9 adapter.**

3. **Connect the DB-9 serial adapter to the COM1 serial port on your PC or laptop.**
4. **Open a Windows Hyperterminal:**
   a. **Choose Start > Programs > Accessories > Communications > Hyperterminal.**
   b. **Run** `Hyperttrm.exe`**.**
5. **In the Set Up New Session window:**
   a. **Name the session.**
   b. **Choose an icon.**
   c. **Click OK.**
6. **In the Connect To window:**
   a. **Click Edit.**
   b. **Click Connect Using.**
   c. **In the drop-down menu, click Direct to COM1.**

Note – If you connected the DB-9 adaptor to a port other than COM1 on your PC or laptop, choose the appropriate option from the list in the drop-down menu.

---

   d. **Click OK.**
7. **In the COM1 Properties window:**
   a. **Change the Bits Per Second value to 9600.**
   b. **Set Flow Control to Xon/Xoff.**

      The correct values for all settings in this window are shown in the following table.

TABLE 0-2

Property	Setting
Bits Per Second	9600
Data Bits	8
Parity	None
Stop Bits	1
Flow Control	Xon/Xoff

c. Click OK.

The `sc>` prompt appears in the Windows Hyperterminal.

Using the Sun Fire V125 Server With a Terminal Server

The serial ports on the Sun Fire V125 server are DTE ports. If you connect these to other DTE ports, then the cabling between them must perform a crossover (also known as a roll-over).

If the pinouts for the server's serial ports correspond with the pinouts for the RJ-45 ports on the terminal server, you have two connection options:

- Connect a serial interface breakout cable directly to the Sun Fire V125 server.
- Connect a serial interface breakout cable to a patch panel and use the straight-through patch cable (supplied by Sun) to connect the patch panel to the server.

If the pinouts for the server's serial ports *do not* correspond with the pinouts for the RJ-45 ports on the terminal server, you must make a crossover cable that takes each pin on the Sun Fire V125 server's serial port to the corresponding pin in the terminal server's serial port.

TABLE 0-3 shows the crossovers that the cable must perform.

TABLE 0-3 Pin Crossovers for Connecting to a Typical Terminal Server

Sun Fire V125 Serial Port (RJ-45 Connector) Pin	Terminal Server Serial Port Pin
Pin 1 (RTS)	Pin 1 (CTS)
Pin 2 (DTR)	Pin 2 (DSR)
Pin 3 (TXD)	Pin 3 (RXD)
Pin 4 (Signal Ground)	Pin 4 (Signal Ground)
Pin 5 (Signal Ground)	Pin 5 (Signal Ground)
Pin 6 (RXD)	Pin 6 (TXD)
Pin 7 (DSR /DCD)	Pin 7 (DTR)
Pin 8 (CTS)	Pin 8 (RTS)

▼ To Connect to a Sun Fire V125 Server Through a Terminal Server

1. **Attach the appropriate cables as described in** "Using the Sun Fire V125 Server With a Terminal Server" on page 6**.**

2. **Open a terminal session on the console, and type:**

```
# telnet IP-address-of-terminal-server  port-number
```

For example, for a Sun Fire V125 server connected to port 10000 on a terminal server whose IP address is 192.20.30.10, you would type:

```
# telnet 192.20.30.10 10000
```

Hardware and Software Issues

This section contains the title, number, summary, and possible workarounds for hardware and software issues that were found before the release of the product.

Add `SUNW,Sun-Fire-V125` to the `SMCCfrutest` Dynamic Test (CR 6452315)

FRU and PICL-related packages are not installed when installing less than the entire cluster from media. This issue does not impact the preinstalled software image.

Workaround: Install the Entire Distribution Plus OEM metacluster.