

Sun Blade™ 2500 Product Notes

(Silver)



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Sun Blade 2500 Product Notes

The *Sun Blade 2500 Product Notes (Silver)*, 817-5121-10, contain late-breaking information about changes to the product and to the documentation supporting the product that became known after the documentation set was published.

Note – This publication describes the changes made to hardware, software, firmware, and documentation for Sun Blade™ 2500 workstations with silver bezels. If you have a Sun Blade 2500 with a red bezel, refer to the *Sun Blade 2500 Product Notes (Red)*, 816-1001-15.

Note – Both red and silver versions of the Sun Blade 2500 documentation are available at:

<http://www.sun.com/products-n-solutions/hardware/docs/>

This product note includes:

- “Hardware Information” on page 2
- “Software and Firmware Information” on page 5
- “Documentation Information” on page 8

Hardware Information

Note – Before removing or installing any hardware, software, or firmware components read all of the *Sun Blade 2500 Product Notes (Silver)*, and all of the documentation for the component that you are removing or installing.

Note – Before removing or installing any hardware components, read all of the contents of the *Sun Blade 2500 Workstation Safety and Compliance Guide*, 817-5120.

Hardware, Software, and Firmware Differences Sun Blade 2500 (Red)/Sun Blade 2500 (Silver)

[TABLE 1](#) summarizes the major hardware, software, and firmware differences between Sun Blade 2500 (Red) and Sun Blade 2500 (Silver) workstations.

TABLE 1 Hardware, Software, and Firmware Differences — Sun Blade 2500 (Red)/Sun Blade 2500 (Silver)

Hardware, Software, and Firmware Differences	Sun Blade 2500 (Red)	Sun Blade 2500 (Silver)
CPU speed	1.28 GHz	1.60 GHz
Memory options	512 MB/1 GB	512 MB/1 GB/2 GB
Memory type	266 MHz/DDR1 SDRAM	266 or 333 MHz DDR1 SDRAM
Memory speed	256 MHz	266 MHz
Memory clock speed	128 MHz	133 MHz
Hard drive	73 GB SCSI	146 GB SCSI
Hard drive cooling fan	No	Yes
Optical media drive	DVD-ROM	DVD-ROM/CD-RW
DIMM cooling	No	Yes
Power supply unit (PSU)	475 Watts	600 Watts

TABLE 1 Hardware, Software, and Firmware Differences — Sun Blade 2500 (Red)/Sun Blade 2500 (Silver) *(Continued)*

Hardware, Software, and Firmware Differences	Sun Blade 2500 (Red)	Sun Blade 2500 (Silver)
OpenBoot PROM	4.9.4	4.16.3
Solaris	8 HW 5/03 9 4/04	8 2/04 9 9/04
SunVTS	5.1 PS2	5.1 PS5+

Power Supply Reset

In normal operation, when power to the power supply is briefly interrupted and then restored, the workstation will automatically power on without pressing the Power button.

If your workstation fails to automatically power on after a power interruption:

- 1. Disconnect the workstation power cord from the AC outlet for approximately one minute.**
- 2. Reconnect the power cord.**

In a few seconds your workstation will automatically power on.

Smart Card Reader

Customers using GNOME might find that their smart card reader does not operate after the smart card has been removed. To prevent this problem from occurring, log out before you remove the smart card from the reader.

Mixing DIMM Speeds

The Sun Blade 2500 workstation supports DDR-1 SDRAM DIMMs. The speed (frequency) of these DIMMs can be either 266 MHz or 333 MHz. OpenBoot PROM version 4.16.3 supports mixing of identical 266 MHz and 333 MHz speed DIMMs in the same bank.

Memory Interleaving and Mixing DIMM Speeds

The UltraSparc® IIIi processor supports the bank, rank, DIMM, and XOR interleaving of identical DIMMs of the same speed in the same bank.

Note – Additional information about memory interleaving is available in Appendix C of the *Sun Blade 2500 Service, Diagnostics, and Troubleshooting Manual*, 817-5117.

DVD-ROM/CD-RW and DVD Dual Drive

Some workstations may not successfully copy information from the original master to a new optical disk. This usually occurs when the drive powers down with its optical drive tray open. If this occurs:

1. **Reinsert the master disc into the tray.**
2. **Press the open/close button to close the drive.**

This will restart the copy process.

OpenBoot PROM Memory Resource Leak

Your workstation may hang if interrupt commands such as Stop-A, Stop-N, or boot -h are repeatedly used. Sun will shortly release a patch to resolve this problem. Until this patch is released, if your system hangs, power-cycle your workstation.

Software and Firmware Information

Note – Before installing any software onto the Sun Blade 2500 hard drive(s), read the documentation for that software.

Booting From a DHCP Server

To boot your Sun Blade 2500 (Silver) workstation from a DHCP boot server, type:

```
ok boot net:dhcp
```

However, you also need to configure your DHCP boot server to support the following vendor client class:

SUNW.Sun-Blade-2500-S (The period is not a typo.)

Note – The corresponding `uname -i` output would normally be:
SUNW,Sun-Blade-2500-S

Note – Additional information about using `uname -i` can be found in the *System Administration Guide: IP Services*, 806-4075.

Software Optimization

Software for the Sun Blade 2500 workstation is continuously improved throughout the life cycle of the product. [TABLE 2](#) lists the latest patches as of December 2004 for the Sun Blade 2500 (Silver) workstation.

TABLE 2 Latest Patches as of December 2004 — Sun Blade 2500 (Silver)

Solaris Operating Environment	Patch	Synopsis
Solaris™ 8 2/04	108576-48 (or later)	SunOS™ 5.8: Expert3D IFB, Sun XVR-500 graphics accelerator patch

TABLE 2 Latest Patches as of December 2004 — Sun Blade 2500 (Silver) (Continued)

Solaris Operating Environment	Patch	Synopsis
	113886-25 (or later)	OpenGL [®] 1.3 patch for Solaris (32-bit)
	113887-25 (or later)	OpenGL 1.3 patch for Solaris (64-bit)
	114537-26 (or later)	SunOS 5.8: Sun XVR-100 graphics accelerator patch
	114554-16 (or later)	SunOS 5.8: Sun XVR-600 and XVR-1200 graphics accelerator patch
	116042-13	SunVTS [™] version 5.1 PS5+ update patch—not available for separate download. This patch has been replaced by patch 118515-01.
	116971-02 (or later)	SunOS 5.8: PICL plug-ins sensor corrections for Sun Blade 2500 patch
	117005-01 (or later)	Sun OS 5.8: PICL-D patch
	118097-01 (or later)	SunOS 5.8: CD-RW 1.1 patch
	118515-01 (or later)	SunVTS 5.1 PS5+
Solaris 9 9/04		
	112540-22 (or later)	SunOS 5.9: Expert3D IFB, Sun XVR-500 graphics accelerator patch
	113447-25 (or later)	SunOS 5.9: libprtdiag_psr patch
	113886-25 (or later)	OpenGL 1.3 patch for Solaris (32-bit)
	113887-25 (or later)	OpenGL 1.3 patch for Solaris (64-bit)
	114538-26 (or later)	SunOS 5.9: Sun XVR-100 graphics accelerator patch
	114555-16 (or later)	SunOS 5.9: Sun XVR-600 and XVR-1200 graphics accelerator patch
	116042-13	SunVTS version 5.1 PS5+ update patch—not available for separate download. This patch has been replaced by patch 118515-01.

TABLE 2 Latest Patches as of December 2004 — Sun Blade 2500 (Silver) (Continued)

Solaris Operating Environment	Patch	Synopsis
	116546-02 (or later)	SunOS 5.9: CD-RW DVD-RW DVD+RW patch
	117746-01 (or later)	SunOS 5.9 PICL-D patch
	118515-01 (or later)	SunVTS 5.1 PS5+

Note – Additional information about the latest patches may be found at:
<http://sunsolve.sun.com>

SunVTS

Sun Blade 2500 (Silver) workstations come preinstalled with SunVTS 5.1 PS5+ on the hard disk image. If the hard disk image is erased from your workstation's drive and you wish to use SunVTS go to:

<http://www.sun.com/oem/vts/>

- **Download and install SunVTS 5.1 PS5+.**

Note – For additional information about installing SunVTS 5.1 PS5+, see *SunVTS 5.1 Patch Set 5+ Documentation Supplement*, 819-1193-10. This information can be found at:

http://www.sun.com/products-n-solutions/hardware/docs/Software/system_administration/tools/testing_validation/sunvts/index.html

Documentation Information

This section describes changes to the Sun Blade 2500 (Silver) documentation.

SunVTS Software

Refer to Chapter 9 in the *Sun Blade 2500 Service, Diagnostics and Troubleshooting Manual (Silver)*, 817-5117-11 “Installing SunVTS”.

The correct version of SunVTS software installed on the Sun Blade 2500 (Silver) workstation is SunVTS 5.1 PS5+ **not** Sun VTS 5.1 PS5.