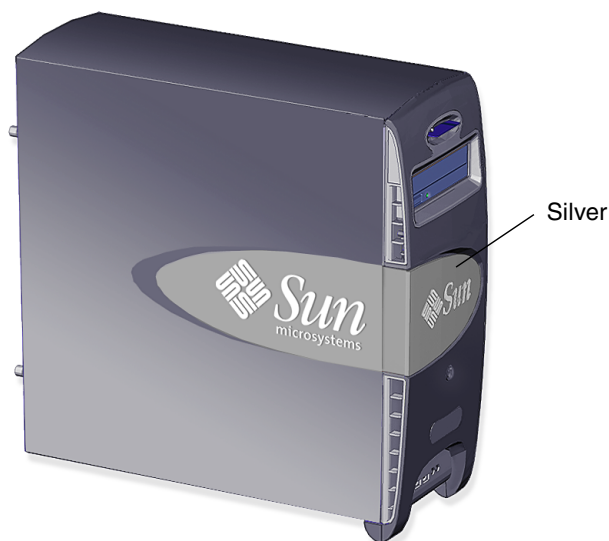


# Sun Blade™ 1500 Product Notes

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(Silver)



Sun Microsystems, Inc.  
www.sun.com

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# Sun Blade 1500 Product Notes

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The *Sun Blade 1500 Product Notes (Silver)*, 817-5131-10 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.

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**Note** – This publication describes the changes made to hardware, software, firmware, and documentation for Sun Blade™ 1500 workstations with silver bezels. If you have a Sun Blade 1500 workstation with a red bezel, refer to the *Sun Blade 1500 Product Notes (Red)*, 816-7569-14.

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**Note** – Both red and silver versions of the Sun Blade 1500 documentation are available at:

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

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This product note includes:

- [“Hardware Information” on page 2](#)
- [“Software and Firmware Information” on page 4](#)
- [“Documentation Information” on page 6](#)

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# Hardware Information

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**Note** – Before removing or installing any hardware, software, or firmware components read all of the *Sun Blade 1500 Product Notes (Silver)*, and the documentation for the component that you are removing or installing.

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**Note** – Before removing or installing any hardware components, read all of the contents of the *Sun Blade 1500 Workstation Safety and Compliance Guide*, 817-5130.

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## Hardware, Software, and Firmware Differences Sun Blade 1500 (Red)/Sun Blade 1500 (Silver)

**TABLE 1** summarizes the major hardware, software, and firmware differences between Sun Blade 1500 (Red) and Sun Blade 1500 (Silver) workstations.

**TABLE 1** Hardware, Software, and Firmware Differences — Sun Blade 1500 (Red)/Sun Blade 1500 (Silver)

Hardware	Sun Blade 1500 (Red)	Sun Blade 1500 (Silver)
CPU speed	1.062 GHz	1.503 GHz
Memory options	256 MB/512 MB/1 GB	512 MB/1 GB/2 GB
Memory type	266 MHz DDR1 SDRAM	266 or 333 MHz DDR1 SDRAM
Memory speed	236 MHz	250 MHz
Memory clock speed	118 MHz	125 MHz
Hard drive	80 GB IDE	120 GB IDE
Optical media drive	DVD-ROM	DVD-ROM/CD-RW
Power supply unit (PSU)	360 Watts	420 Watts
Solaris	8 HW 5/03 9 4/04	8 2/04 9 9/04
SunVTS	5.1 PS2	5.1 PS5+
OpenBoot PROM	4.9.4	4.16.3

## 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 1500 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.

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**Note** – Additional information about memory interleaving is available in Appendix C of the *Sun Blade 1500 Service, Diagnostics, and Troubleshooting Manual*, 816-7564-11.

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## 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.

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# Software and Firmware Information

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**Note** – Before installing any software onto the Sun Blade 1500 hard drive(s), read the documentation for that software.

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## Booting From a DHCP Server

To boot your Sun Blade 1500 (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-1500-S (The period is not a typo.)

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**Note** – The corresponding `uname -i` output would normally be:  
SUNW,Sun-Blade-1500-S

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

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# Software Optimization

Software for the Sun Blade 1500 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 1500 (Silver) workstation.

**TABLE 2** Latest Patches as of December 2004 — Sun Blade 1500 (Silver)

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

**TABLE 2** Latest Patches as of December 2004 — Sun Blade 1500 (Silver) (Continued)

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Solaris Operating Environment	Patch	Synopsis
	116042-13	SunVTS version 5.1 PS5+ update patch—not available for separate download. This patch has been replaced by patch 118515-01.
	116546-02 (or later)	SunOS 5.9: CD-RW DVD-RW DVD+RW patch
	118515-01 (or later)	SunVTS 5.1 PS5+

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

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## SunVTS

Sun Blade 1500 (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+.**

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

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## Documentation Information

This section describes changes to the Sun Blade 1500 (Silver) documentation.



Currently there are no known corrections for the Sun Blade 1500 (Silver) workstation documentation.

