

Sun Blade™ 1500 Workstation



Highly available 64-bit workstation

Key feature highlights

- 1 GHz UltraSPARC IIIi processor with 1MB on-die L2 cache
- Up to 4 GB of DDR memory with Error Correction
- Up to two ATA100 80 GB 7200 rpm hard disk drives
- 1394a (FireWire®)
- Five PCI slots
- 10/100/1000 Base-T Ethernet
- Solaris 8 HW 5/03 Operating Environment pre-installed
- StarOffice, Version 6.0 pre-installed
- Sun XVR-500 graphics accelerator supported
- Sun XVR-100 graphics accelerator supported
- Sun PCI III co-processor card supported

Innovation with the power to compute, render & visualize the most complex datasets.

The Sun Blade™ 1500 Workstation with the new 1 GHz UltraSPARC® IIIi processor is the most scalable, affordable and reliable workstation in the 64-bit space. With support for up to 4 GB of DDR-266 ECC RAM, up to 160 GB of internal storage, and five high-bandwidth peripherals like the Sun™ XVR-100 and Sun XVR-500 graphics accelerators, this system is a major price performance breakthrough for Sun in the technical workstation market.



Sun Blade™ 1500 Workstation Specifications

The Sun Blade 1500 offers users of technical workstations, from any vendor, the ideal upgrade platform for the majority of their traditional workstation needs.

Sun's commitment to these traditional workstation customers not only offers users of Ultra 5, Ultra 10, Ultra 60, and Ultra 80 a fantastic step forward, but also provides a simple migration path for traditional workstation customers of HP, IBM and SGI who are now faced with OS, CPU and architecture transition challenges of their own vendors.

Transitioning to the Sun Blade 1500 is seamless. Through maintained binary compatibility with the existing operating system and hardware, the Sun Blade 1500 workstation provides the customer investment protection of Sun software, hardware, and knowledge base.

Solaris 8 is the most scalable, most secure, and most available operating system in the traditional workstation market, and supports the largest number of technical applications in this class. With Solaris 8, the Sun Blade 1500 provides fast performance, near continual uptime, and the security and reliability required from a mission critical desktop.

The Sun Blade 1500 workstation has the highest performance and the lowest price among 64-bit workstations in the traditional workstation market, and Sun has the lowest overall 3 year hardware and software costs including support, in the 64-bit UNIX workstation market (according to D.H. Brown). This price performance benefit increases productivity by reducing manufacturing errors and eliminating cycles in design, at lower overall cost.

Processor

One 1 GHz UltraSPARC III processor
1 MB on-die L2 cache

Memory

4GB maximum, low profile DDR PC2100 registered ECC DIMMs
Four DIMM slots
256 MB, 512 MB and 1 GB DIMMs supported

Standard Interfaces

Network	10/100/1000-BaseT Ethernet, twisted pair standard
I/O	Three USB 2.0 ports, four USB 1.1/1.0 ports, two 1394a (Firewire) ports
Serial	Two RS-232C/RS-423 (DB25-F) ports
Parallel	One D-Sub 25-pin connector, IEEE 1284 (bidirectional)
Audio	One line-in, one line-out, one microphone-in, one speaker-out
Expansion Bus	Five full length PCI slots: • one at 64-bit/66 MHz • two at 64-bit/33 MHz • two at 32-bit/33 MHz

Mass Storage and Media

Internal Storage	Up to two 80 GB 7200 rpm, IDE ATA 100 disk drives Three removable media bays for choice of: 16X DVD-R, automated tape device (optional)
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Graphics and Imaging

Sun Blade 1500 supports XVR-500 and XVR-100 graphics boards

Sun XVR-500 graphics

The Sun XVR-500 graphics accelerator provides outstanding performance, quality, and value. With exceptional geometry and texture-mapping performance, dedicated frame buffer memory support, and a wide range of resolution and multi-display options, the Sun XVR-500 graphics accelerator is ideal for 3-D graphics applications. Sun Blade 1500 supports up to two XVR-500 graphics boards.

Sun XVR-100 graphics

The Sun XVR-100 graphics accelerator is Sun's newest general purpose 2-D graphics accelerator, providing users with a low-cost, 24-bit, 2-D graphics solution. The Sun XVR-100 graphics accelerator features 32 MB of SDRAM memory, dual-display support, and high-resolution support. Sun Blade 1500 supports up to three XVR-100 graphics boards.

Software

Operating System	Solaris 8 HW 5/03 or later pre-installed
Office Productivity Suite	StarOffice 6.0 pre-installed

Monitor Options

24.1-inch LCD	<ul style="list-style-type: none"> • 0.27 mm pixel pitch • 24-bit color, 256 gray scale levels, 16.7 M colors • Up to 1920x1200 @ 60 Hz (16:10 aspect ratio mode) • DVI-D, 13W3, S-Video and C-Video Input connectors • 4-port USB hub
21-inch Flat Screen AG CRT	<ul style="list-style-type: none"> • 19.8-in viewable area • 0.24 mm aperture grille pitch • 1600x1200 @ 75 Hz (default) recommended • 2-meter captive 13W3 video input • HD15-pin video input connector
18-inch Sun TFT flat panel LCD	<ul style="list-style-type: none"> • 18.1-in viewable area (equiv to 19-in/20-in CRT) • 0.28 mm pixel pitch • True 24-bit, 256 gray scale levels, 16.7 M colors • 1280x1024 @ 60 Hz or 76 Hz (5:4 aspect ratio) • DVI-I and HD-15 input connectors
17-inch Sun color CRT	<ul style="list-style-type: none"> • 16-in viewable area • 0.24 mm dot pitch • Up to 1280x1024 @ 75 Hz, 76 Hz

Environment

AC power	100-120; 220-240 V AC, 47 to 63 Hz, 0.3 K VA
Operating	5° to 40°C (41° to 104°F) IEC 60068-2-2 IEC 60068-2-2 Tes Bb
Nonoperating	-32° to 65°C (-25.6° to 149°F)
Operating acoustic noise	5.0 bels
Idling acoustic noise	4.5 bels

Regulations (meets or exceeds the following requirements):

Safety	UL 60950, EN 60950, CSA-C22.2-60950, IEC 60950, CB Scheme with all national differences, IEC825-1,2 and CFR21 part 1040
RFI/EMU	CISPR 22 Class B, FCC Class B EN61000-3-2 EN61000-3-3
Immunity	EN55024
Ergonomics	EK ITB-2000
X-ray	DHHS 21 Subchapter J; PTB German X-Ray degree
Regulatory Markings	CE, FCC, ICES-003, C-Tick, VCCI, GOST-R, BSMI, MIC, UL/cUL, TUV-GS, CCC, S-Mark
Power management	Energy Star compliant

Dimensions and Weights

Height	459.9 mm (18.1 in)
Width	175 mm (6.9 in)
Depth	465.1 mm (18.3 in)
Weight	14.8 kgs (33 lbs)

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