

Sun Blade™ 1500 Workstation



Expandable and flexible low-cost, 64-bit workstation

Key feature highlights

- 1.5-GHz UltraSPARC® III processor with 1 MB on-die L2 cache
- Up to 8 GB of DDR memory with Error Correction
- Up to two ATA100 120-GB 7200-RPM hard-disk drives
- 1394a (FireWire™)
- Five PCI slots
- 10/100/1000Base-T Ethernet
- Solaris™ 8 and Solaris 9 Operating System preinstalled
- StarOffice™ Version 7.0 preinstalled
- Sun™ XVR-1200 graphics accelerator supported
- Sun™ XVR-600 graphics accelerator supported
- Sun™ XVR-100 graphics accelerator supported
- SunPCi™ IIIpro coprocessor card supported

Innovation with the power to compute, render, and visualize the most complex data sets

The Sun Blade™ 1500 Workstation with the new 1.5-GHz UltraSPARC III processor is the most scalable, affordable, and reliable workstation in the traditional UNIX® workstation market. With support for up to 8 GB of DDR-266 ECC RAM, up to 240 GB of internal storage, and five high-bandwidth peripherals such as the Sun XVR-1200, Sun XVR-600, and Sun XVR-100 graphics accelerators, this system is a major price/performance breakthrough for Sun in the technical workstation market.

The latest Sun Blade 1500 Workstation with the 1.5-GHz UltraSPARC III processor is 50-percent faster than its predecessor, and includes a substantial performance increase.

The Sun Blade 1500 Workstation 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 Sun 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 by their own vendors.



Sun Blade 1500 Workstation Specifications

Transitioning to the Sun Blade 1500 Workstation 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 of the Sun knowledge base.

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

Processor

One 1.5-GHz UltraSPARC III processor; 1 MB on-die L2 cache

Memory

- 8-GB max., low-profile DDR PC2100 registered ECC DIMMs
- Four DIMM slots
- 512-MB, 1-GB, 2-GB DIMMs supported

Standard Interfaces

Network	10/100/1000Base-T 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 (DB9-M) ports
Parallel	One D-sub nine-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: <ul style="list-style-type: none"> • 1 @ 64-bit/66 MHz • 2 @ 64-bit/33 MHz • 2 @ 32-bit/33 MHz

Mass Storage and Media

Internal storage	<ul style="list-style-type: none"> • Up to two 120-GB, 7200-RPM, IDE ATA 100 disk drives • One removable media bay for choice of: <ul style="list-style-type: none"> - DVD-R, CD-R, CD-RW - DVD-R, DVD-RW, CD-R, CD-RW
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Graphics and Imaging

Sun Blade 1500 Workstation supports Sun XVR-1200, Sun XVR-600, and Sun XVR-100 graphics boards.

Sun XVR-1200 Graphics Accelerator

The Sun XVR-1200 graphics accelerator is ideal for demanding 3-D applications that require excellent performance and quality. The

Sun XVR-1200 provides a high-end visualization solution designed to allow for fast, accurate data analysis and more profitable decision-making. The Sun Blade 1500 Workstation supports up to two Sun XVR-1200 graphics boards.

Sun XVR-600 Graphics Accelerator

The Sun XVR-600 graphics accelerator is a high-value, low-cost graphics board that delivers professional-level 3-D graphics technology. With over twice the peak geometry and two and a half times the peak texture performance of the Sun™ XVR-500, high-resolution support, and dedicated texture memory, it is an ideal 3-D graphics solution for price-conscious customers in technical markets. The Sun Blade 1500 Workstation supports up to two XVR-600 graphics boards.

Sun XVR-100 Graphics Accelerator

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 64 MB of SDRAM memory, dual-display support, and high-resolution support. Sun Blade 1500 Workstation supports up to three XVR-100 graphics boards.

Software

Operating system	Solaris 8 and Solaris 9 preinstalled
Office productivity suite	StarOffice 7.0 preinstalled

Monitor Options

24.1-inch LCD	<ul style="list-style-type: none"> • 0.27mm pixel pitch • 24-bit color, 256 gray scale levels, 16.7 M colors • Up to 1920 x 1200 @ 60 Hz (16:10 aspect ratio mode) • DVI-D, HD-15 D-Video and C-Video Input connectors • Four-port USB hub
22-inch flat-screen AG CRT	<ul style="list-style-type: none"> • 20-inch viewable area • 0.24mm aperture grille pitch • 1600 x 1200 @ 75 Hz • Two 15-pin D-sub connectors
19-inch TFT flat-panel LCD	<ul style="list-style-type: none"> • 19-inch viewable area (equiv. to 21-inch CRT) • 0.29mm pixel pitch • True 24-bit, 256 gray-scale levels, 16.7 M colors • 1280 x 1024 @ 60 Hz (5:4 aspect ratio) • DVI-D and HD-15 Input connectors
17-inch color CRT	<ul style="list-style-type: none"> • 16-inch viewable area • 0.24mm dot pitch • Up to 1280 x 1024 @ 75 Hz, 76 Hz • HD-15 video connector on a two-meter captive video cable

Environment

AC power	100-120; 220-240 V AC, 47 to 63 Hz, 0.3 K VA
Operating temperature	5° C to 40° C (41° F to 104° F) IEC 60068-2-2 IEC 60068-2-2 Tes Bb
Nonoperating temperature	-32° C to 65° C (-25.6° F 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
RFI/EMI	EN 55022/CISPR22 Class B, FCC CFR47 Part 15 Class B; EN 61000-3-2, EN 61000-3-3
Immunity	EN 55024
Ergonomics	EK1-ITB-2000
Regulatory markings	UL/cUL, TUV/GS, CE, FCC, ICES-003, C-Tick, VCCI, GOST-R, BSMI, CCC, S-Mark, MIC
Power management	Registered configurations are EPA Energy Star compliant

Dimensions and Weights

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

Get the details. Find out more about the Sun Blade 1500 Workstation—a high-performance, low-cost solution for compute-intensive applications—by visiting sun.com/1500.