

Sun Blade™ 2500 Workstation



A low-cost, 64-bit UNIX® workstation for high-performance computing.

Key feature highlights

- Up to two 1.28-GHz UltraSPARC® IIIi processors provide a low-cost solution without sacrificing high performance
- Up to 8 GB of DDR memory (two CPUs required) with error correction supplies enough RAM expandability to support the most demanding 64-bit applications
- Up to two 73-GB, Ultra320SCSI, 10,000-RPM hard-disk drives allow for large internal storage and scalability
- Three 1394a (FireWire) ports enable access to a wide variety of connectivity devices available on today's workstations
- Six 64-bit PCI slots offer excellent flexibility, system expansion, and support for both Sun and third-party PCI cards
- An integrated, on-board 10/100/1000Base-T Ethernet provides the highest bandwidth networking standard available on the desktop today
- The Sun™ XVR-1200, Sun™ XVR-600, and Sun™ XVR-100 graphics accelerators offer 2-D to professional-grade 3-D graphics
- Support for the SunPCI™ III coprocessor card
- Preinstalled in the Sun Blade™ 2500:
 - Solaris™ 8 Operating System
 - Solaris 9 Operating System
 - StarOffice™ 7.0 Office Suite

Innovation with the Power to Compute, Render, and Visualize the Most Complex Datasets

The Sun Blade 2500 Workstation offers technical professionals a high-performance, yet affordable tool for demanding compute-intensive applications. With the best price/performance of any dual-CPU, 64-bit, traditional workstation and the amazing visualization capabilities of the Sun XVR-1200 graphics accelerator, the Sun Blade 2500 is on the leading edge of technology.

Sun's new multiprocessing Sun Blade 2500 is the first dual-CPU workstation based on the new UltraSPARC IIIi processor, the highly integrated, performance-scalable, 64-bit compute engine. Based on Sun's flagship UltraSPARC III processor, it's the ideal transition or upgrade product for Sun's installed customer base running previous-generation workstations, including the Sun Ultra™ 60, Ultra 80, Sun Blade 1000, and Sun Blade 2000 Workstations.

The Sun Blade 2500 Workstation comes with Solaris 8 and Solaris 9 Operating System preinstalled, providing the most scalable, secure, and available operating system in its class. Coupled with Solaris Operating System, the Sun Blade 2500 provides fast performance, near continual uptime, and the security and reliability required from a mission-critical desktop. And the existing operating system and hardware are maintained through binary compatibility, so you get the investment protection of Sun software and hardware along with our vast knowledge base.

A robust platform, large memory footprint, high-bandwidth memory controllers, and support for visualization-class graphics enable the Sun Blade 2500 Workstation to handle compute-intensive applications, high-end graphics, and large datasets. This proven tool is a powerful solution that delivers the innovation and reliability needed for compute-intensive environments, while providing industry best price/performance in the technical workstation market.



Sun Blade 2500 Workstation Specifications

Processor		Up to two 1.28-GHz UltraSPARC III processors; 1 MB on-die L2 cache
Memory		8 GB maximum, low-profile DDR-1 registered ECC DIMMs (2 CPUs required for maximum memory utilization, 4 slots per CPU)
DIMM slots		Eight DIMM slots (512-MB and 1-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, three 1394a (FireWire) ports
Serial		Two RS-232C/RS-423 (DB9-M) ports
Parallel		One D-Sub 25-pin connector, IEEE 1284 (bidirectional)
Audio		One line-in, one line-out, one microphone-in, one headphone-out
Expansion Bus		Six full-length PCI slots: <ul style="list-style-type: none"> • Three 64-bit/66-MHz PCI slots • Three 64-bit/33-MHz PCI slots
Mass Storage and Media		
Internal Storage		Up to two 73-GB Ultra320SCSI, 10,000-RPM hard-disk drives, 16x DVD-ROM Drive
External Storage		<ul style="list-style-type: none"> • External VHDCI (SCSI) connector for portable mass storage • 40x CD-RW drive (optional)
Graphics and Imaging		
Supports Sun XVR-1200, SunXVR-600, and Sun XVR-100 graphics accelerators:		
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 2500 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 2x the peak geometry and 2.5x 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 the price-conscious customers in technical markets. The Sun Blade 2500 Workstation supports up to three Sun XVR-600 graphics boards.		
Sun XVR-100 Graphics Accelerator		
The Sun XVR-100 graphics accelerator is Sun's 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 and dual-display support. The Sun Blade 2500 Workstation supports up to three Sun XVR-100 graphics boards.		
Software		
Operating System		Solaris 8 HW 05/03 or later preinstalled Solaris 9 04/04 or later preinstalled
Office Productivity Suite		StarOffice 7.0 preinstalled
Monitor Options		
24.1-in. 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 1920 x 1200 @ 60 Hz (16:10 aspect ratio mode) • DVI-D, 13W3, S-Video and C-Video Input connectors • 4-port USB hub
22-in. flat		<ul style="list-style-type: none"> • 20-in. viewable area screen AG CRT • 0.24 mm aperture grille pitch • 1600 x 1200 @ 75 Hz (default) recommended • 2-meter captive HD-15 video input • HD15-pin video input connector
19-in. Sun TFT flat-panel LCD		<ul style="list-style-type: none"> • 19-in. viewable area (equiv. to 21-in. CRT) • 0.29 mm 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-in. Sun color CRT		<ul style="list-style-type: none"> • 16-in. viewable area • 0.24 mm dot pitch • Up to 1280 x 1024 @ 75 Hz, 76 Hz
Environment		
AC power		90-264 V AC, 47-63 Hz, typical 2-CPU config. 0.39 KVA; maximum 0.875 KVA
Operating Temp./Humidity		5° C to 35° C (41° F to 95° F); 20% to 93% relative humidity, noncondensing
Nonoperating Temp./Humidity		-40° C to 65° C (-40° F to 158° F); 93% relative humidity, noncondensing
Operating acoustic noise		5.4 bels
Idling acoustic noise		5.1 bels
Regulations (meets or exceeds the following requirements)		
Safety		UL/CSA-60950, EN 60950, IEC 60950 CB Scheme with all national differences
RFI/EMI		EN 55022/CISPR22 Class B, FCC CFR47 Part 15 Class B; EN 6100-3-2, EN 61000-3-3
Immunity		EN 55024
Ergonomics		EK1-1TB-2000
Regulatory Markings		UL/cUL, TUV-GS, CE FCC, ICES-003, C-Tiek, VCCI, GOST-R, BSMI CCC, S-Mark, MIC
Dimensions and Weights		
Height		483 mm (19.0 in.)
Width		210 mm (8.3 in.)
Depth		490 mm (19.3 in.)
Weight		22.5 kg (49.6 lb.) fully configured

Get the details.
 Find out more about the Sun Blade 2500 Workstation — a high-performance, low-cost solution for compute-intensive applications — by visiting sun.com/sunblade2500.

