



performance

Sun Blade™ 2000 Workstation

CELEBRATING 20 YEARS OF INNOVATION WITH THE POWER TO COMPUTE,
RENDER, AND VISUALIZE THE MOST COMPLEX DATASETS

SUN BLADE™ 2000 WORKSTATION

The Sun Blade™ 2000 workstation offers technical professionals a high-performance, yet affordable, tool for demanding compute-intensive applications. From the highest floating-point performance UltraSPARC® III Cu 64-bit architecture (up to two 900 MHz or 1.2 GHz CPUs) to the amazing visualization capabilities of Sun™ XVR-1200 and Sun™ XVR-1000 graphics, the Sun Blade 2000 is on the leading edge of technology. It features a high-performance crossbar-switch system interconnect that provides high-bandwidth data throughput for today and tomorrow's ultra-high-speed processors and graphic subsystems.

It also supports up to 146 GB of high-performance internal disks and 8 GB of memory. The Sun Blade 2000 workstation provides both USB and IEEE 1394 interfaces for selected hot-plug external devices. With support for state-of-the-art high-end graphics, multiple monitors, and many of Sun's advanced storage systems, this workstation is truly a powerful, flexible, next-generation desktop.

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SPECIFICATIONS

PROCESSOR

Up to two 900 MHz or 1.2 GHz UltraSPARC® III Cu.
Sun Blade 2000 does not allow for mixed CPU speeds.
8-MB L2 cache for 900 MHz, 1.2 GHz models

MEMORY

8 GB maximum, ECC error correction
Eight Sun 232-pin SDRAM DIMM slots

STANDARD INTERFACES

Network	Ethernet/FastEthernet, twisted pair standard (10-BaseT and 100-BaseT)
I/O	External Ultra SCSI, one external FC-AL port using HSSDC connector for mass storage
Serial	Two RS-232C/RS423 (DB25-F) ports, four USB (Type A) connectors, two IEEE 1394 (6-pin) connectors
Parallel	One D-Sub 25-pin connector, IEEE 1284 (bidirectional)
Audio I/O	One line-in, one line-out, one microphone-in, one speaker-out
Expansion bus	Four 64-bit PCI slots, full-size, three at 33 MHz, one at 66 MHz, two UPA graphics slots

MASS STORAGE AND MEDIA

Internal disk	One or two 73-GB, 10,000 rpm FC-AL disk drives Three removable media bays for choice of: 4-mm tape drive 10X-speed DVD-ROM; 3.5-in., 1.44-MB floppy Automated tape devices (optional) FC-AL storage arrays (optional) FC-AL disk multipack (optional)
External	

GRAPHICS AND IMAGING

Two graphics UPA slots and four 64-bit PCI slots. Sun™ XVR-1200, Sun™ XVR-1000, Sun™ XVR-500, and Sun™ XVR-100 graphics are supported.

Sun XVR-1200 graphics

The Sun XVR-1200 graphics accelerator is ideal for 3-D applications that require excellent performance and quality. Up to two Sun XVR-1200 graphics accelerators are supported in a Sun Blade 2000 workstation, providing a high-end visualization solution designed to allow for fast, accurate data analysis and more profitable decision-making.

Sun XVR-1000 graphics

Sun introduces Personal Visualization on workstations. Personal Visualization is the ability to use high-end visualization tools and technologies in the personal work environment. It makes the high-end visualization experience available for volume deployment in organizations. Features included: Dedicated 72 MB of framebuffer and 256 MB of texture memory, true multisampling at up to 16 samples per pixel, 30-bit color accuracy, super high-resolution 2-D,

3-D for stereo and monochrome, hardware-accelerated dual display of one logical image at up to 2560 x 1024, wide range of standard and user-programmable display resolutions. Supported outputs include 13W3, HD15, DVI, and S-Video. This is an ideal graphics accelerator for users in Oil&Gas, Design/Styling, GIS, Medical imaging, or Defense.

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 demanding 3D graphics applications.

Sun XVR-100 graphics

The Sun XVR-100 graphics accelerator is Sun's newest 2-D graphics accelerator, providing users with a low-cost, high-performance, 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.

SOFTWARE

Operating system Sun Blade 2000 900 MHz workstation comes pre-installed with Solaris 8 2/02 and also supports Solaris 9 or later. Sun Blade 2000 1.2 GHz workstation requires Solaris 8 HW 12/02 or Solaris 9 12/02 release or later. Sun Blade 2000 1.2 GHz workstations ship with dual boot OS preinstalled. Both Solaris 8 HW 12/02 and Solaris 9 12/02 Operating Systems are pre-installed and allow user to select which OS to use at first boot up.

MONITOR OPTIONS

24.1-inch LCD Sun's sleek 24.1-inch LCD monitor is a high-performance, high-resolution, large-area, full-color, Active-Matrix TFT Liquid Crystal Display (LCD) monitor optimized to show the full graphics capabilities of Sun Microsystems' workstations and servers. It combines state-of-art LCD technology, a 16:10 aspect ratio, and 1920 x 1200 resolution to provide one of the highest-quality flat panel monitors available today for the high-end graphic markets. Video interfaces include DVI-D, 13W3, S-Video, and C-Video, along with required connecting cables. An HD-15 adapter cable is also included.

21-inch CRT

960 x 680 resolution, 112-Hz refresh rate
1024 x 768 resolution, 76-Hz refresh rate
1152 x 900 resolution, 76- or 66-Hz refresh rate
1280 x 1024 resolution, 60-, 76-, or 67-Hz refresh rate
1600 x 1200 resolution, 75-Hz refresh rate

18-inch color flat panel	1152 x 900 resolution, 76- or 66-Hz refresh rate 1280 x 1024 resolution, 60-, 67-, or 76-Hz refresh rate
17-inch entry color	Up to 1024 x 786 resolution, 76 Hz refresh rate
ENVIRONMENT	
AC power	100-120; 220-240 V AC, 47-63 Hz, Typical 2 CPU config 0.39KVA; Maximum 0.875KVA
Operating	5° C to 40° C* (41° F to 140° F) sea-level, (35° C or 95° F at 10,000 ft.); 20% to 80% relative humidity, noncondensing, 27° C maximum wet. Note: * The maximum operating temperature is 35° C (at sea level) when using tape media.
Nonoperating	-40° C to 60° C (-40° F to 140° F) 93% relative humidity, noncondensing
Operating acoustic noise	5.64 bels
Idling acoustic noise	4.77 bels
REGULATIONS	
Safety	Meets or exceeds the following requirements: UL 1950, CSA C22.2 No. 950, TÜV EN 60950, CB Scheme with Nordic deviations, EMKO-TSE (74-SEC) 203, ZH1/618
RFI/EMU	FCC Class B, DOC Class B, VCCI Class 2, EN 55022 Class B, EN 61000-3-2
immunity	EN 50082-1
X-ray	DHHS 21 Subchapter J, PTB German X-ray Decree
Power management	Energy Star compliant (selected configurations)
DIMENSIONS AND WEIGHTS	
Height	45.5 cm (17.9 in.)
Width	25.6 cm (10.1 in.)
Depth	61.0 cm (24.0 in.)
Shipping weight	31.8 kg (70.0 lb.)



take it to the™