Sun Blade™ 150 Workstation

The price leader in 64-bit UNIX® workstations.

Key feature highlights

- 550-MHz or 650-MHz UltraSPARC® IIi processor with 512 KB L2 on-die cache
- Up to 2 GB of SDRAM memory with Error Correction
- Up to two ATA-66 80-GB, 7200-rpm hard disk drives
- 1394a (FireWire)
- Three PCI slots
- 10/100 BaseT Ethernet
- Solaris™ 8 HW 5/03 and Solaris 9 HW 4/03 Operating System pre-installed
- StarOffice™ Version 6.0 pre-installed
- Sun™ PGX64 graphics on the motherboard
- Sun™ XVR-100 graphics accelerator supported
- Sun™ XVR-500 graphics accelerator supported
- SunPCi™ III coprocessor card supported

Entry-level workstation designed with full features to deliver exceptional performance.

For technical and business computing environments looking to balance advanced 64-bit capabilities, workstation performance, support for the Solaris Operating System, and cost considerations, Sun has the ideal solution: The Sun Blade™ 150 workstation. This powerful, low-cost system boasts a full 64-bit architecture with the latest high-performance UltraSPARC IIi CPU, supporting up to 2 GB of memory and up to 160 GB of internal storage. Features such as a fast PCI bus and the latest I/O technologies including USB and IEEE-1394 provide connectivity to a wide variety of latest-generation peripherals. And with graphics options that include the high-resolution, on-board Sun™ PGX64 2-D, Sun™ XVR-100 2-D, or high-end Sun™ XVR-500 3-D graphics, the Sun Blade 150 workstation delivers advanced workstation capabilities with exceptional performance at an affordable price. With only a 20 percent increase in megahertz, the doubling of the cache to 512 KB, plus Sun XVR-500 graphics, the Sun Blade 150 workstation cranks up the performance. It's up to 63 percent faster on compute-intensive applications and up to 76 percent faster in MCAD applications.*

* Performance compared to Sun Blade 100 workstation with Sun™ Expert3D-Lite graphics running ABAQUS v6.2 and Unigraphics v18 applications.

Sun Blade 150 Specifications

Processor

550-MHz or 650-MHz UltraSPARC IIi; 512 KB L2 on-die cache

Memory

2 GB maximum, error correction SDRAM, four DIMM slots, PC133 168-pin DIMMs (256-MB, and 512-MB DIMMs)

Standard Interfaces

Network	Ethernet/Fast Ethernet, twisted pair standard (10 BaseT and 100 BaseT)
Serial	One D-Sub 9-pin connector, asynchronous, two IEEE 1394a, four USB1.1
Parallel	One D-Sub 25-pin connector, IEEE 1284
Audio I/O	Four audio ports: Line-in/line-out/microphone-in/speaker-out
Expansion bus	Three 32-bit PCI slots, full-size, 33 MHz, 5 V (3.3 V power supplied)

Mass Storage and Media

Internal disk	Up to 160 GB, 7200-rpm Enhanced IDE disk drive
Optical media	48x CD-RW or 16x DVD-ROM
Internal floppy disk	One 3.5-in., 1.44-MB floppy
Expansion	Second disk drive bay available

Graphics and Imaging

Sun Blade 150 has on-board, 24-bit, Sun PGX64 2-D graphics and supports Sun XVR-100 and Sun 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 150 supports up to three Sun 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 150 supports up to two Sun XVR-500 graphics boards.

Software

Operating System	Solaris 8 Operating System (5/03) and Solaris 9 Operating System (4/03) pre-installed

Monitor Options

24.1-inch LCD
- 0.27-mm pixel pitch
- 24-bit color, 256 grayscale 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
- Four-port USB hub

21-inch Flat Screen AG CRT
- 19.8-in. viewable area
- 0.24-mm aperture grille pitch
- 1600 x 1200 @ 75 Hz (default) recommended
- 2-meter captive 13W3 video input
- HD15-pin video input connector

18-inch Sun TFT flat
- 18.1-in. viewable area (equiv to 19-in./20-in. CRT) panel LCD
- 0.28-mm pixel pitch
- True 24-bit, 256 grayscale levels, 16.7 M colors
- 1280 x 1024 @ 60 Hz or 76 Hz (5:4 aspect ratio)
- DVI-I and HD-15 Input connectors

17-inch Sun color CRT
- 16-in. viewable area
- 0.24-mm dot pitch
- Up to 1280 x 1024 @ 75 Hz, 76 Hz

PC Interoperability

Optional SunPCi III coprocessor card allows you to run several operating systems on your system simultaneously (Windows and Solaris).

Environment

AC power	100, 120; 220-240 V AC, 47-63 Hz, 0.35 kVA (max. continuous), 5.0 A (surge)
Operating	5°C to 35° C (40° F to 95° F), IEC 60068-2-1, IEC 60068-2-2 Test Bd 10% to 90% relative humidity, noncondensing, 27° C max. wet bulb
Nonoperating	-40° C to 65° C (-4° F to 150° F), IEC 60068-2-1, IEC 60068-2-2 Test Bd up to 93% relative humidity, noncondensing, 38° C max. wet bulb
Operating acoustic noise	5.5 bels
Idling acoustic noise	4.8 bels

Regulations

Meets or exceeds the following requirements:

Safety	UL /CSA-60950, EN60950, IEC950 CB scheme with all country deviations, IEC825-1, 2 and CFR21 part 1040
Ergonomics	EK1-ITB-2000
RFI/EMC	EN55022/CISPR22 Class B, FCC CFR47 Part 15 Class B, EN61000-3-2, EN61000-3-3
Immunity	EN 55024
X-ray (for Monitors)	DHHS 21 Subchapter J; PTB German X-ray Decree
Regulatory markings	CE, FCC, ICES-003, C-tick, VCCI, GOST-R, BSMI, EK, UL/cUL, TUV-GS, E-Star, CCC
Power management	Energy Star compliant on all standard configurations

Dimensions and Weight

Height	117 mm (4.6 in.)
Width	457 mm (18.0 in.)
Depth	446 mm (17.6 in.)
Shipping weight	12.2 kg (26.9 lbs.)

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