



SUN BLADE™ 1000/2000

Exceptional Multiprocessing Workstation Performance

The Sun Blade™ 1000 and Sun Blade 2000 workstations offer technical professionals a powerful, yet affordable, tool for demanding compute-intensive applications. With advanced, high-end graphics and support for multiple monitors and a variety of storage options, these workstations provide the bandwidth needed for ultra-high-speed data and graphics performance.

HIGHLIGHTS

Choice of up to two 1050-MHz UltraSPARC III Cu processors

Large L1 and L2 caches for increased performance for all applications, regardless of size

Large 8-GB RAM capacity for faster completion of calculations

Up to 146-GB internal drive capacity, providing more space for faster local disk storage and enhanced performance

Support for a variety of graphics options and combinations of graphics solutions for maximum flexibility

Powering Environment

AC power: 100-120; 220-240 V AC, (47-63 Hz), 00.39 KVA, 0.875 KVA (maximum)

Power supply output: 670 W (maximum)

Key Applications

- Visual simulation
- Mechanical design/engineering
- Circuit and chip design
- Scientific computing
- Government/defense

Processors

Architecture: Superscalar SPARC Version 9;
SB 1000: 750-/900-MHz UltraSPARC III (supports mix of 750- and 900-MHz CPUs running at maximum speed simultaneously).
SB 2000: 900-/1050-MHz UltraSPARC III Cu CPUs (64-bit); Sun Blade 2000 does not allow for mixed CPU speeds.

Number of processors: Up to two

External cache: 8 MB external cache

Main Memory

8 GB maximum

Standard Interfaces

Network: 10/100-BaseT Ethernet (self-sensing)

Serial: Two RS-232C/RS-423 serial ports (DB25); four USB (Type A) connectors; two IEEE 1394 (6-pin) connectors

Parallel: One D-sub 25-pin connector, IEEE 1284 (bidirectional)

Audio I/O: Four audio ports: Line-in/line-out/microphone-in/speaker-out

Expansion: Four 64-bit full-size PCI slots, three at 33 MHz, one at 66 MHz; two UPA graphics slots

Mass Storage and Media

Internal disk: SB 1000: Up to two 36-GB, 10,000 rpm FC-AL disk drives; SB 2000: Up to two 73-GB, 10,000 rpm FC-AL disk drives

Removable media bays: Three bays for choice of 4mm tape drive, 10X speed DVD-ROM, or 3.5-in., 1.44-MB floppy disk

External: Automated tape devices (optional), FC-AL storage arrays (optional), or disk multipacks (optional)

Software

Operating system: SB 1000: Solaris 8 or higher; SB 2000: Solaris 8 2/02 or higher

Languages: C, C++, Pascal, FORTRAN, Java technology

Networking: ONC/NFS, TCP/IP, SunLink OSI, MHS, IPX/SPX, DCE

Graphics and Imaging

Onboard: 24-bit Sun PGX64

Optional: Sun Creator3D, Sun Elite3D m6, Sun Expert3D, Sun Expert3D-Lite, Sun™ XVR-1000, Sun 1394 Visual Collaboration Kit