Sun microsystems®

SUN BLADE™ 100 WORKSTATION

A new price leader in 64-bit UNIX® workstations.

With the Sun Blade™ 100 workstation, technical and business professionals can now put the power of a Sun™ workstation on their desktops at PC prices. This fully featured, low-cost system boasts a 64-bit, high-performance UltraSPARC™-IIe CPU; provides workstation-class internal disk and memory capacity; and supplies an industry-standard PCI bus. On-board USB and IEEE 1394 interfaces provide connectivity to a wide variety of peripherals. In addition to the standard on-board 2-D, 24-bit Sun PGX64™ graphics, configurations with Sun Expert3D-Lite graphics deliver high-performance, professional-level 3-D graphics and support for resolutions up to 1920 x 1080 at affordable prices.

HIGHLIGHTS

- Three industry-standard PCI slots provide access to hundreds of expansion and high-performance networking options.
- Supports up to 2 GB of main memory and up to two 15 GB, 7200-rpm internal disk drives.

- On-board Sun PGX64 graphics drives all current Sun displays, including the 24-inch wide-screen monitor. Optional Sun Expert3D-Lite graphics is available for high-resolution, 3-D, texture-mapping graphics functionality.

- High-speed CD-ROM or DVD-ROM and floppy drives are available.
- Pre-installed Solaris™ 8 Operating Environment provides binary compatibility with previous Solaris versions as well as workstation and server lines.

- Powered by a 64-bit 500-MHz UltraSPARC-IIe CPU.
- Together with the SunPCi™ coprocessor card, you get two systems on your desk (a PC and a UNIX workstation) for an incredibly low price.

Sun Blade™ 100 Workstation

Develop and deploy on a true workstation-class, 64-bit UNIX platform at an affordable price.

PROCESSOR

500-MHz UltraSPARC-IIe

256-KB L2 External Cache

MEMORY

2 GB maximum, error correction SDRAM

Four DIMM slots, PC133 168-pin JEDEC DIMMs

MEMORY CONFIGURATION

128-MB configuration includes one 128-MB DIMM

256-MB configuration includes one 256-MB DIMM

512-MB configuration includes two 256-MB DIMMs

Supports up to 2 GB maximum (with four 512-MB DIMMs)

Note: DIMMs can be mixed and matched

STANDARD INTERFACES

Network	Ethernet/Fast Ethernet, twisted pair standard (10-BaseT and 100-BaseT) self-sensing
Serial	One D-Sub 9-pin connector, asynchronous
Parallel	One D-Sub 25-pin connector, IEEE 1294 (bidirectional)
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)
Other	Four USB (Type A) connectors, two IEEE 1394 (6-pin) connectors

MASS STORAGE AND MEDIA

Internal disk	15-GB, 7,200-rpm Enhance IDE disk drive
Internal CD-ROM	48X-speed CD-ROM or 12X-speed DVD-ROM
Internal floppy disk	One 3.5-in., 1.44-MB floppy
Expansion	2nd disk drive bay available

GRAPHICS AND IMAGING

On-board 24-bit Sun PGX64 2-D/3-D graphics

8 MB of SGRAM for high-resolution 2-D graphics

HD15 connector

24-bit color supported up to 1280 x 1024;
 8-bit color up to 1920 x 1200 (support for HDTV)

Resolution	Refresh Rate	Standard	Aspect Ratio
1920 x 1200	70 Hz	Sun	16:10
1920 x 1080	72 Hz	Sun	16:9
1600 x 1280	76 Hz	Sun	5:4
1600 x 1000	66, 76 Hz	Sun	16:10
1280 x 1024	67, 76 Hz	Sun	5:4
1280 x 1024	75 Hz	VESA	5:4
1152 x 900	66, 76 Hz	Sun	5:4
1024 x 768	60, 70, 85 Hz	Sun	4:3
1024 x 768	75 Hz	VESA	4:3
800 x 600	56, 60, 72 Hz	Sun	4:3
720 x 400	70, 85 Hz	Sun	Portrait
640 x 480	60, 72 Hz	Sun	4:3
640 x 480	75 Hz	VESA	4:3

Sun Expert3D-Lite graphics

Sun's most affordable 3-D graphics board with on-board 3-D geometry acceleration, hardware-based texture-mapping for demanding geotechnical, MCAD, digital content creation, visualization, and simulation applications. Features 48-MB total on-board memory with 16 MB dedicated for accelerated texture-mapping. Comes with an HD-15 connector.

Display Resolution	Vertical Sync Refresh Rate	Standard	Aspect Ratio Format
1920 x 1080	72 Hz	Sun	16:9
1600 x 1280	76 Hz	Sun	5:4
1600 x 1200	75 Hz	VESA	4:3
1600 x 1000	66, 76 Hz	Sun	16:10
1440 x 900	76 Hz	Sun	16:10
1280 x 800	112 Hz	Sun-Stereo	16:10
1280 x 800	76 Hz	Sun	16:10
1280 x 1024	60, 75, 85 Hz	VESA	5:4
1280 x 1024	67, 76 Hz	Sun	5:4
1152 x 900	120 Hz	Sun-Stereo	5:4
1152 x 900	66, 76 Hz	Sun	5:4
1024 x 800	84 Hz	Sun	5:4
1024 x 768	75 Hz	VESA	4:3
1024 x 768	60, 70, 77 Hz	Sun	4:3
960 x 680	108, 112 Hz	Sun-Stereo	Sun-Stereo
768 x 575	50i Hz	PAL	PAL
640 x 480	60 Hz	VESA	4:3
640 x 480	60i Hz	NTSC	NTSC

SOFTWARE

Operating system — Solaris™ 8 Operating Environment (10/00) (pre-installed)

MONITOR OPTIONS

17-inch entry color	Up to 1024 x 786 resolution, 76-Hz refresh rate
18.1-inch flat panel	Up to 1152 x 900 resolution, 76- or 66-Hz refresh rate
21-inch color	Up to 1600 x 1200 resolution, 75-Hz refresh rate
24-inch HDTV color	Up to 1920 x 1200 resolution, 70-Hz refresh rate

ENVIRONMENT

AC power	100-120; 220-240 VAC, 47-63 Hz, 0.3 K VA
Operating	5°C to 35°C (40°F to 95°F) IEC 60068-2-1, IEC 60068-2-2 Test Bb 10% to 90% relative humidity, noncondensing
Nonoperating	-40°C to 65°C, (-40°F to 150°F) IEC 60068-2-1, IEC 60068-2-2 Test Bb up to 93% relative humidity, noncondensing
Operating acoustic	5.0 bels
Idling acoustic noise	4.5 bels

Declared noise emissions in accordance with IDO 9206 measured at 23°C

REGULATIONS

Meets or exceeds the following requirements:

Safety	UL 1950, CSA C22.2 No. 950, EN 60950, CB Scheme with all Country Deviations including Nordic EMKO-TSE (74-SEC), IEC825-1, 2, and CFR21 part 1040
Ergonomics	EN 29241-3, -7, -8, ISO 9296, EKI 59-98, EKI 60-98, BildscharbV, A15 and A17, ISO 9241-4 and DIN2137
RFI/EMC	FCC Class B, ICES-003 Class B, VCCI Class B, EN55022 Class B BSMI Class B, EN61000-3-2, EN61000-3-3
Immunity	EN 55024
X-ray	DHHS 21 Subchapter J; PTB German X-ray Decree
Power management	Energy Star compliant on some configurations

DIMENSIONS AND WEIGHT

Height	118 mm (4.6 in.)
Width	445 mm (17.5 in.)
Depth	464 mm (18.3 in.)
Shipping weight	15.4 kgs (34 lbs.)

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