

Sun Java™ Workstation W1100z



The expandable, powerful technical workstation featuring the AMD Opteron processor

Key feature highlights

- One AMD Opteron processor (up to 2.4 GHz — Model 150)
- Five PCI-X expansion slots
- Up to two 80-GB, UltraATA, 7200-RPM hard-disk drives
- Up to 8 GB of PC3200 (DDR-400) memory with error correction
- Low-latency, dual-channel memory controller with error correction
- Integrated, on-board 10/100/1000Base-T Ethernet
- Choice of four professional graphics accelerators: High-performance 3-D, mid-range 3-D, entry 3-D, and 2-D
- Best-in-class industrial design
- Convenient front access to 1394a/USB/audio
- Optimized cooling to ensure the lowest possible noise emission
- Sun Enterprise™ Services provides high-level support and mission-critical response
- Fully validated for Solaris™ 9 and Red Hat Enterprise Linux WS version 3

Position Yourself for the Future of 64-bit Technical Computing

The Sun Java™ Workstation W1100z is designed with the versatile AMD Opteron processor that enables simultaneous 64-bit and 32-bit computing without sacrificing performance. With outstanding performance, expandability, and legendary Sun™ Services organization, the Sun Java Workstation W1100z delivers the ideal price/performance ratio for computing segments, including SW Development, EDA, and MCAD/MCAE.

Unlike competitors' x86 workstations using repurposed PC technology, Sun has architected the Sun Java Workstation W1100z as an expandable, reliable technical-computing powerhouse. Utilizing the AMD Opteron processor and HyperTransport technology, the Sun Java Workstation W1100z is a system architecture consisting of a powerful 64-bit compute engine, up to 8 GB of memory support, and an ultra-fast I/O subsystem — all packaged in a mini-tower form factor. Additionally, the Sun Java Workstation W1100z supports a wide range of professional OpenGL graphics accelerators and multiple displays to help you achieve your next level of creativity.



Sun Java Workstation W1100z Specifications

Processor Options

One AMD Opteron processor (up to 2.4 GHz—Model 150)

Memory

8 GB maximum PC3200 DDR registered ECC DIMMs

DIMM Slots

Four DIMM slots (512-MB, 1-GB, and 2-GB DIMMs supported; must be installed in pairs only)

Standard Interfaces

Network	1 x 10/100/1000Base-T Ethernet, twisted pair standard
USB	5 x USB 2.0 ports (2 x front, 3 x rear)
FireWire	2 x 1394a ports (1 x front, 1 x rear)
Serial	2 x RS-232C/RS-423 (DB9-M) (2 x rear)
Parallel	1 x D-Sub 25-pin connector, IEEE 1284 (bidirectional)
Audio	1 x line-in, 2 x line-out, 2 x microphone-in
Expansion Slots	PCI-X slots 1 x 64-bit/133-MHz 4 x 64-bit/100-MHz
	AGP slot 1 x AGP8x

Mass Storage and Media

Drive Bays	External	2 x 5.25-in. (for DVD drives)
	Internal	2 x 3.5-in. (for HDD)
Hard-Disk Drive	UltraATA	UltraATA 80 GB
DVD Drives	DVD Combo	DVD-ROM/CD-RW drive (standard configuration)
	DVD Burner	DVD+/-R/RW (optional)

Software

Operating System	Solaris	Solaris 9 04/04—x86 Platform Edition
	Linux	Red Hat Enterprise Linux WS version 3—x86 edition Red Hat Enterprise Linux WS version 3—AMD64 version

Graphics and Imaging

The Sun Java Workstation W1100z is available preconfigured with the NVIDIA Quadro FX500 Graphics Accelerator or the NVIDIA Quadro NVS280 Graphics Accelerator. The NVIDIA Quadro FX3000 Graphics Accelerator and the NVIDIA Quadro FX1100 Graphics Accelerator are available via Assemble to Order (ATO).

NVIDIA Quadro FX3000 Graphics Accelerator

2048 x 1536 @ 85/75/72/70/60 Hz, 8, 16, 32 bits per pixel
1920 x 1440 @ 85/75/72/70/60 Hz, 8, 16, 32 bits per pixel
1920 x 1200 @ 85/75/72/70/60 Hz, 8, 16, 32 bits per pixel

NVIDIA Quadro FX1100 Graphics Accelerator

2048 x 1536 @ 85/75/72/70/60 Hz, 8, 16, 32 bits per pixel
1920 x 1440 @ 85/75/72/70/60 Hz, 8, 16, 32 bits per pixel
1920 x 1200 @ 85/75/72/70/60 Hz, 8, 16, 32 bits per pixel

NVIDIA Quadro FX500 Graphics Accelerator

2048 x 1536 @ 85/75/72/70/60 Hz, 8, 16, 32 bits per pixel
1920 x 1440 @ 85/75/72/70/60 Hz, 8, 16, 32 bits per pixel
1920 x 1200 @ 85/75/72/70/60 Hz, 8, 16, 32 bits per pixel

NVIDIA Quadro NVS280 Graphics Accelerator

2048 x 1536 60Hz 32 bits per pixel
1920 x 1440 @ 75/72/70/60 Hz, 32 bits per pixel
1920 x 1200 @ 75/72/70/60 Hz, 32 bits per pixel

Monitor Options

24-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-Screen AG CRT	<ul style="list-style-type: none"> • 20-in. viewable area • 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	<ul style="list-style-type: none"> • 18.1-in. viewable area (equiv. to 21-in. CRT) LCD • 0.294 mm pixel pitch • True 24-bit, 256 gray-scale levels, 16.7 M colors • 1280 x 1024 @ 60 Hz or 76 Hz (5:4 aspect ratio) • DVI-I and HD-15 Input connectors and cables
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

Power Supply	550 W, 90-264 V, 47-63 Hz
Operating Temp./Humidity	5° C to 35° C (41° F to 95° F) at sea level; 10% to 90% relative humidity condensing, 27° C maximum wet bulb
Nonoperating Temp./Humidity	-40° C to 65° C (-40° F to 149° F) at sea level; 93% relative humidity, non-condensing, 38° C maximum wet bulb
Operating acoustic noise	5.1 bels.
Idling acoustic noise	5.0 bels.

Regulations (meets or exceeds the following requirements)

Safety	UL/CSA-60950, EN 60950, IEC 60950 CB
RFI/EMI	EN 55022/CISPR22 Class B, FCC CFR47 Part 15 Class B; EN 61000-3-2, EN 61000-3-3, EN300-386 v1.3.1
Immunity	EN 55024, EN 300-386 v1.3.1
Ergonomics	EK1-1TB-2000
Regulatory Markings	UL/cUL, TUV-GS, CE, FCC, ICES-003, C-Tick, VCCI, GOST-R, BSMI, MIC, CCC (pending), S-Mark

Dimensions and Weights

Height	462 mm (18.2 in.)
Width	200 mm (7.9 in.)
Depth	557 mm (21.9 in.)
Weight	24 kg (53 lb.) fully configured

Get the details.
Find out more about the Sun Java Workstation W1100z — an expandable, powerful technical workstation featuring the AMD Opteron processor — by visiting sun.com/W1100z.