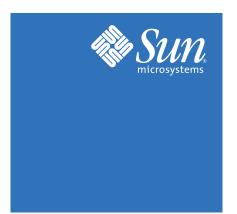
# Sun Java™ Workstation W2100z

The scalable, dual-processor technical workstation featuring the AMD Opteron processor



#### Key feature highlights

- Two AMD Opteron processors (up to 2.4 GHz — Model 250)
- Five PCI-X expansion slots
- Up to two 73-GB Ultra320 SCSI harddisk drives
- Up to 16 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 in industrial design
- Convenient front access to 1394a/ USB/audio
- Optimized cooling to ensure the lowest possible noise emission
- Sun Enterprise<sup>™</sup> Services provides high-level support and missioncritical response
- Fully validated for Solaris<sup>™</sup> 9 and Red Hat Enterprise Linux WS version 3

#### Position Yourself for the Future of 64-bit Technical Computing

The Sun Java™ Workstation W2100z is designed with two AMD Opteron processors to enable simultaneous 64-bit and 32-bit computing with no compromise in performance. With high-performance storage, visualization-class graphics, and the legendary Sun™ Service organization, the Sun Java Workstation W2100z delivers highest performance for complex computing segments, including oil/gas, imaging, and scientific computing.

Unlike competitors' x86 workstations using repurposed PC technology, Sun has architected the Sun Java Workstation W2100z as a fast, reliable technical-computing powerhouse. Utilizing the AMD Opteron processors and HyperTransport technology, the Sun Java Workstation W2100z is a system architecture consisting of two compute engines, up to 16 GB of memory support, and an ultra-fast I/O subsystem—all packaged in a mini-tower form factor. Additionally, the Sun Java Workstation W2100z supports a wide range of professional OpenGL graphics accelerators and multiple displays to help you achieve your next level of creativity.



## Sun Java Workstation W2100z Specifications

Processor Options	
	Two AMD Opteron processors (up to 2.4 GHz — Model 250)
Memory	
	16 GB maximum, PC3200 DDR registered ECC DIMMs
DIMM Slots	Eight 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	SCSI	Ultra320 SCSI 73 GB
DVD Drives	DVD Combo	DVD-ROM/CD-RW drive (standard configuration)
	DVD Burner	DVD +/- R/RW (optional)

#### **Software**

Juliwale		
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
	Windows	WHQL certification

#### **Graphics and Imaging**

The Sun Java Workstation W2110z is available preconfigured with the NVIDIA Quadro FX3000 Graphics Accelerator or the NVIDIA Quadro NVS280 Graphics Accelerator. The NVIDIA Quadro FX1100 Graphics Accelerator and the NVIDIA Quadro FX500 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 Ontion**

Monitor Options	
24.1-in. LCD	<ul> <li>0.27 mm pixel pitch</li> <li>24-bit color, 256 gray-scale levels, 16.7 M colors</li> <li>Up to 1920 x 1200 @ 60 Hz (16:10 aspect ratio mode)</li> <li>DVI-D, 13W3, S-Video and C-Video input connectors</li> <li>4-port USB hub</li> </ul>
22-in. Flat-Screen AG-CRT	<ul> <li>20-in. viewable area</li> <li>0.24 mm aperture grille pitch</li> <li>1600 x 1200 @ 75 Hz (default) recommended</li> <li>2-meter captive HD-15 video input</li> <li>HD15-pin video input connector</li> </ul>
19-in. Sun TFT Flat	<ul> <li>18.1-in. viewable area (equiv. to 21-in. CRT) LCD</li> <li>0.294 mm pixel pitch</li> <li>True 24-bit, 256 gray-scale levels, 16.7 M colors</li> <li>1280 x 1024 @ 60 Hz or 76 Hz (5:4 aspect ratio)</li> <li>DVI-I and HD-15 input connectors and cables</li> </ul>
17-in. Sun Color CRT	<ul> <li>16-in. viewable area</li> <li>0.24 mm dot pitch</li> <li>Up to 1280 x 1024 @ 75 Hz, 76 Hz</li> </ul>

#### **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, EN 300-386 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 W2100z—a scalable, dual-processor technical workstation featuring the AMD Opteron processor—by visiting sun.com/W2100z.

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