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Sun Fire V20z Server

E.O.L.

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Key Specifications

- Up to two dual-core or single-core AMD Opteron 200 Series processors with HyperTransport Technology
- Memory capacity up to 16 gigabytes
- Two 64-bit PCI-X slots
- Runs the Solaris Operating System, 32-bit and 64-bit Red Hat Enterprise Linux, 64-bit SUSE Linux, VMware ESX Server, and Microsoft Windows 2000 and Windows Server 2003
- Compact one-rack-unit (1RU) size

Review

Sun wins Best Server Solution award from Waters Magazine for smart use of technology in the financial services sector.

[Waters Magazine](#)

Processor

Processor Up to two single-core AMD Opteron processors Models 244, 248, 250, 252 (range from 1.8 GHz to 2.6 GHz)
Up to two dual-core AMD Opteron processors Models 270, 275 (range from 2.0 GHz to 2.2 GHz)

Cache 1 MB Level 2 cache per core (AMD Opteron processor Models 270, 275 have 2 x 1 MB L2 cache - 1 MB per core)

Main Memory

Up to 16 GB of registered DDR1/333 SDRAM or DDR1/400* SDRAM (4 DIMM slots per processor for a total of 8 DIMM slots; 128 bit plus ECC databus)

* DDR1/400 MHz only currently supported in systems with AMD Opteron 252, 270, and 275 CPUs

Standard Interfaces

Network Two 10/100/1000-Mbps BASE-T Ethernet ports

Network Management One 10/100-Mbps BASE-T Ethernet port with integrated switch providing two external ports

Serial One TIA/EIA-232-F asynchronous (DB9) port

SCSI One Ultra320 SCSI interface (internal access only)

USB One USB 1.1 port

Expansion bus Two 64-bit PCI-X slots:
One full-length at 133 MHz; One half-length at 66 MHz

Mass Storage

Internal disk One or two 73/146/300-GB Ultra320 SCSI disk drives

Internal DVD/CD

- One CD/floppy (standard)
- One Slimline DVD-ROM drive (optional)

External storage

- [Click here to see complete list](#)

Software

Operating System Solaris OS, Red Hat Enterprise Linux, SUSE Linux Enterprise Server, Microsoft Windows, VMware ESX Server

[Click here to see complete details](#)

Sun Java Enterprise System	Evaluation copy on preinstall Solaris 10 or included with selected media kits
Languages	C/C++, FORTRAN*, the Java programming language, all other standard Sun-supported languages *Solaris OS on x64 support available soon
Networking	ONC software, ONC+ software, NFS, WebNFS file system, TCP/IP, SunLink, OSI, MHS, IPX/SPX software, SMB technologies, and XML
Management	<ul style="list-style-type: none"> • Command Line over SSH, IPMI 1.5 (in-band and out-of-band), SNMP (out-of-band only) • Sun N1 System Manager - Discover, Group, Bare Metal Provisioning, Hardware Monitoring, OS Monitoring

Environment

Power	100-240 V, 50/60 Hz, 465 W PFC supply, dual redundant fans
Operating temperature	+10 degrees C to +35 degrees C (+50 degrees F to +90 degrees F)
Nonoperating temperature	-40 degrees C to +65 degrees C (-40 degrees F to +149 degrees F)
Operating vibration	0.15 G z-axis; 0.10 G x- and y-axis, 5 to 500 Hz sine
Nonoperating vibration	0.5 G z-axis; 0.25 G x- and y-axis, 5 to 500 Hz sine
Operating shock	3 G, 11 ms, half-sine

Regulations

Meets or exceeds the following requirements:

FCC Class A, CISPR 22A, VCCI-A, UL, CE, Austel, BSMI, GOST R, MIC, Nemko GS, Canada ICES-003 Class A

Dimensions and Weight

Height	43 mm (1.69 inches)
Width	430 mm (16.94 inches)
Depth	724 mm (28.5 inches)
Weight	16 kg (35 lb.)
Enclosure	Fits into most 19-inch wide racks.

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