



Eight Ways It Beats PC Servers

Sun Fire™ V880 Server

**WITH UP TO EIGHT 1.2-GHz ULTRAPARC® III CPUs—PLUS MORE CAPACITY, MORE DISK,
AND MORE OPTIONS—IT'S THE SMALL DATA CENTER SERVER THAT'S MAKING THE NET WORK.**

SUN FIRE™ V880 SERVER

The Sun Fire™ V880 server is an ideal system for an extensive range of applications, including Internet and database, e-commerce, ERP, and messaging. Accommodating two to eight UltraSPARC® III processors with up to 64 GB of main memory, the Sun Fire V880 server also boasts an integrated, fibre-channel disk subsystem that supports twelve disks. The 9.6-GB/sec. system bus, integrated I/O adapters, and nine PCI slots help ensure a highly scalable, well-balanced system whether the workload is I/O intensive, compute intensive, or both. Other enhanced reliability, availability, and serviceability (RAS) features include Automatic System Recovery (ASR), Remote System Control (RSC), and System Service Processor (SSP), which allow restoration of service and facilitate remote and/or centralized management, respectively.

SUN FIRE V880 SERVER SPECIFICATIONS

PROCESSOR OPTIONS

Processor	1.2-GHz UltraSPARC® III Cu
Architecture	Superscalar SPARC® 9
Processor modules	One to four dual-processor/memory modules
Memory management	128 (16-KB pages, two-way associative) plus 16 fully associative entries 512 (16-KB pages, two-way associative) plus 16 fully associative entries
Cache (on chip)	64-KB data and 32-KB instruction
Secondary (L2)	8-MB external

MAIN MEMORY

A system maximum of 64 GB when configured with eight processors

STANDARD/INTEGRATED INTERFACES

Network	1-Gb Ethernet and 10-/100-BaseT Ethernet
I/O	FC-AL disk controller
Serial	Two EIA-232D or EIA-423 serial ports (DB25) via splitter cable
Expansion capability	Nine full-sized, hot-swap, PCI slots compliant with PCI specification Revision 2.1. Two at 66 MHz, 64 bits wide, 3.3 volts; seven at 33 MHz, 64 bits wide, 5 volts

MASS STORAGE AND MEDIA

Host adapters	Internal SCSI to support the internal DVD and two optional, removable media devices
Internal tape	Optional 12-GB DDS-3 or 20-GB DDS-4 single drive(s)
Internal disk	Up to 12 3.5 in. x 1.0 in. 10,000 RPM FC-AL disks, 73 GB, providing a maximum total capacity of 876 GB
External disk	Sun StorEdge® MultiPack Systems Sun StorEdge A1000 Sun StorEdge D1000 Sun StorEdge A5100/A5200 Sun StorEdge T3 Sun StorEdge S1 Sun StorEdge D2 Sun StorEdge 3000/3300 series Sun StorEdge 3500 series Sun StorEdge 3900 series Sun StorEdge 6900 series Sun StorEdge 9900 series
External tape	SCSI tape devices via a SCSI host bus adapter: Sun StorEdge 12-GB DDS-3 Unipack Sun StorEdge DDS-3 Flexipack Sun StorEdge DDS-3 Autoloader Flexipack Sun StorEdge 20-GB DDS-4 Unipack Sun StorEdge DLT8000 Flexipack Sun StorEdge L7/L8 tape autoloaders Sun StorEdge L9 tape autoloader Sun StorEdge SDLT 320 desktop tape drive Sun StorEdge SDLT 320 desktop tape drive Sun StorEdge L20 tape library family Sun StorEdge L25 tape library Sun StorEdge L100 tape library Sun StorEdge L180 tape library Sun StorEdge L700 tape library Sun StorEdge L5500 tape library Sun StorEdge L6000 tape library (Utilization of the Sun StorEdge L180 and L700 tape libraries may be limited by the number of SCSI host bus adapters and buses available for connection to the server.)
Host adapters	Up to nine PCI-to-dual FC-AL adapters or PCI-to-Ultra™ SCSI adapters

SOFTWARE

Operating environment	Solaris™ 8 10/01 or later, or Solaris 9
Languages	C, C++, FORTRAN, Java™

Networking	ONC, NFS, TCP/IP, SunLink™ OSI, MHS, IPX/SPX,
System and network management	Sun™ Management Center, Sun Remote System Control, Sun™ Cluster, Solaris PC NetLink, Solstice JumpStart™, Solaris WebStart, Solstice AdminSuite™, Solstice DiskSuite™, Solstice Backup™, and other Solstice™ products

CONSOLE OPTIONS

Monitor	Optional, Sun monitors from 1995 onward (17, 18FP, 19, 20, 21 and 24 in.)
Frame buffer	Sun PGX64 8/24-bit, Expert3D-lite™, XVR-500
Keyboard and mouse	USB keyboard and mouse
PCI I/O options	1-Gb Ethernet, 10/100-MB/sec. Ethernet, FC-AL, Ultra 3SCSI, Sun Quad FastEthernet™, Token Ring, ATM-155, ATM-622, SONET network interface, high-speed serial, Ultra SCSI with 10/100-MB/sec. Ethernet, dual-channel single-ended Ultra SCSI, dual-channel differential Ultra SCSI, combination dual Fast Ethernet and dual SCSI, SSL Accelerator

POWER SUPPLIES

	Two required, three for redundancy, each with independent power cord
Maximum AC input	1500 W per power supply
Maximum DC output	1100 W per power supply

ENVIRONMENT

AC power	100–240 V AC, 47–63 Hz, 1.48 KVA
Operating temperature	5° C to 35° C (41° F to 95° F), 20% to 80% relative humidity, noncondensing, 27° C max. wet bulb
Nonoperating temperature	-20° C to 60° C (-4° F to 140° F), 5% to 93% relative humidity, noncondensing

REGULATIONS

Meets or exceeds the following requirements:	
Safety	UL/CSA-60950, EN 60950, IEC950 CB Scheme with all country deviations, IEC825-1, 2, and CFR21 part 1040
Ergonomics	EK1-ITB-2000
RFI/EMI	EN55022/CISPR22 Class A, FCC CFR47 Part 15 Class A, EN61000-3-2, EN61000-3-3
Immunity	EN55024
X-ray (for monitors)	DHHS 21 Subchapter J; PTB German X-ray Decree
Regulatory markings	CE, FCC, ICES-003, C-tick, VCCI, GOST-R, BSMI, EK, UL/CUL, TUV-GS

DIMENSIONS AND WEIGHT

Height	714 mm (28.1 in.) with casters. Rack-mounting does not require the removal of casters.
Width	480 mm (18.9 in.)
Depth	836 mm (32.9 in.)
Weight	88.1 kg (194.0 lb.) (minimum, approximate) 130.9 kg (288.0 lb.) (maximum, approximate)
Rack	Fits into a standard 19-in.-wide rack that complies with EIA-310-D-1992 Standard, 32-in. to 36-in. depth rail-to-rail, or third-party commercial racks with depths of 39 in. or greater. To facilitate rack mounting, heavier components such as power supplies may be removed.

UPGRADES

Upgrades are available for SPARC® server and Sun Enterprise® systems. Contact your local Sun sales representative for details.

WARRANTY

Hardware support	Three years
Software install	90 days
Call response	Eight hours
Delivery	Second business day, on-site



Right, processor/memory modules



Left, PCI adapters



Front, internal disk array



Back, I/O connectors and power supplies

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SALES OFFICES

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