



SUN ENTERPRISE™ 5500 SERVER

Reliable, powerful system with integrated storage.

With its integrated, rack-mounted storage, the Sun Enterprise™ 5500 server packs more internal capacity into a space-saving package—critical in crowded data center environments. The server's balanced system design, built around Sun's high-performance Gigaplane™ technology, delivers tremendous throughput for both compute- and I/O-intensive databases, decision support, and business applica-

tions. The Sun Enterprise 5500 server maximizes system availability with its resilient design, Dynamic Reconfiguration and Alternate Pathing, CPU Power Control, and Automatic System Recovery. System management is simplified by Sun™ Management Center software's easy-to-use interface and management controls.

HIGHLIGHTS

- Advanced availability features maximize application uptime, with the ability to reconfigure and repair system components while the server remains online.
- A flexible, highly-available server with more than 2.5-TB of high-performance storage in a single Sun data center cabinet.
- Up to 14 high-performance processors deliver leading application performance.
- Dependable service offerings provide mission-critical support that fits your budget.
- Common, modular components across the Sun Enterprise server family protect your hardware investment and simplify upgrades, all the way to the 30-processor Sun Enterprise 6500 system.

SUN ENTERPRISE™ 5500 SERVER SPECIFICATIONS

PROCESSOR

Number of processors	1 to 14
Architecture	Superscalar SPARC™ Version 9, UltraSPARC™
Cache per processor	Primary: 16-KB instruction, and 16-KB data on chip Secondary: 4-MB or 8-MB external cache
CPU interface	1 to 14 128-bit Ultra™ Port Architecture (UPA) slots
System Interconnect	Gigaplane™, 2.68-GB/sec (at 84 MHz), 3.2-GB/sec (at 100 MHz)

SYSTEM BOARDS

Number of boards	Maximum of eight boards per system; minimum configuration requires one CPU/Memory board and one I/O board
CPU/Memory board	Holds up to two processors and 16 memory DIMMs
SBus I/O board	Offers two SBus channels, three SBus slots, SunFastEthernet™, Fast/Wide SCSI-2, two FC-AL sockets
Graphics I/O board	Offers one SBus channel, two SBus slots, one UPA slot for Creator3D graphics, SunFastEthernet, Fast/Wide SCSI-2, two FC-AL sockets
PCI I/O board	Offers four PCI channels, two (short) PCI slots, SunFastEthernet, Fast/Wide SCSI-2
Main Memory	Up to 28-GB memory capacity per system

STANDARD INTERFACES

Serial	Two RS-232/423 ports on clock board
SBus	64-bit data bus width, 25 MHz
PCI	64-bit data bus width, 66 MHz
Keyboard and mouse port	One each per system
Ethernet	10/100-MB/sec twisted pair standard (10-BaseT and 100-BaseT) and/or MII transceiver per I/O board
SCSI	On-board 20-MB/sec Fast/Wide SCSI-2 (synchronous) per I/O board
Fibre channel	Two on-board sockets (100-MB/sec full duplex) per SBus and Graphics I/O boards

MASS STORAGE AND MEDIA

Internal disk	Up to four disk boards, each with two SCSI disk drives More than 2.5-TB of storage can be rack mounted in the system cabinet
Internal tape	DLT, 8-mm, and 4-mm tape options available
CD-ROM	SunCD™ 32 drive standard
External storage	Supports over 20-TB of storage

CONSOLE OPTIONS

Monitor	17- to 24-inch color monitors
Frame buffer	PGX32, Creator3D, and Elite3D frame buffer
SBus options	SunFastEthernet, SunATM™ 155 and 622, Sun Quad FastEthernet, Differential Fast/Wide Intelligent SCSI-2 (DWIS/S), Single-Ended Fast/Wide Intelligent SCSI-2 (SWIS/S), High-Speed Serial Interface (HSI/S), Token Ring Interface (TRI/S), Single- and Dual-Attach FDDI, Serial Parallel Controller (SPC/S), 100-BaseT Fast/Wide SCSI, ISDN, Fast Differential SCSI-2 Buffered Ethernet (DSBE/S), Fast SCSI-2 Buffered Ethernet (FSBE/S), Sun Gigabit Ethernet, FC-AL
PCI options	10/100-BaseT Fast/Wide UltraSCSI, 10/100-BaseT FastEthernet, Quad FastEthernet, Single- and Dual-Attach FDDI, Token Ring, High Speed Serial Interface, Serial Asynchronous Interface, Gigabit Ethernet Network, SunATM 155 and 622, HIPPI

Power supplies

One 184-watt Peripheral Power Supply standard. Up to four hot swappable 300-watt Power Cooling Modules (PCM) with redundant, dual-speed fans. One PCM required per two systems boards. Fully-redundant power and cooling available on this system.

Availability features

Automatic System Recovery
Dynamic Reconfiguration
Alternate Pathing
CPU Power Control
Redundant Power and Cooling
Hot-swap Power/Cooling Modules
Hardware Failure Prediction
Remote Power Control
Modular components and more

SOFTWARE

Operating system	Solaris™ Operating Environment 2.5.1 or later
Languages	C, C++, Pascal, FORTRAN, Java™
Networking	ONC, NFS, TCP/IP, SunNet™ OSI, MHS, X.25, DCE, Netware
Windowing system	CDE, OpenWindows™ Version 3 optional
System monitoring	Sun Management Center
System and network management	Solaris Web Start, Solstice AdminSuite™, Solstice Domain Manager™, Solstice Enterprise Manager™, Solstice DiskSuite™, Solstice Backup™, Veritas File System and more

ENVIRONMENT

AC power	200-240 VAC, 47-63 Hz, 24 A
Operating	5° C to 35° C (41° F to 95° F) 20% to 80% relative humidity, noncondensing
Nonoperating	-20° C to 60° C (-4° F to 140° F) 5% to 93% relative humidity, noncondensing

REGULATIONS

Safety	Meets or exceeds the following requirements: UL 1950, CSA 950, TUV EN60950, CB Scheme (Nordic Deviation)
RFI/EMI	FCC Class A, DOC Class A, EN55022 Class A, VCCI Class 1
Immunity	EN50082-1
Harmonics	EN61000-3-2





DIMENSIONS AND WEIGHT

Height	173 cm (68.3 in.)
Width	77 cm (30 in.)
Depth	99 cm (39 in.)
Weight, main cabinet	450 kg (1000 lb.) approximate
Power cord	4.6 m (15 ft.)

UPGRADES

Full system upgrades are available for SPARCcenter™ 2000/2000E, SPARCserver™ 1000/1000E, SPARCserver 6X0, 4X0, and 3X0 systems.
Chassis upgrades are available for Sun Enterprise 3x00 and Sun Enterprise 5000 servers.
Competitive server trade-ins are also available.

SUN ENTERPRISE SERVER FAMILY OF PRODUCTS

Sun Enterprise 3500	Sun Enterprise 4500	Sun Enterprise 5500	Sun Enterprise 6500
			

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