



# SUN ENTERPRISE™ 3500 SERVER

## Powerful midrange system with exceptional availability.

If you're deploying critical business applications or Internet/intranet services, the Sun Enterprise™ 3500 server delivers the same exceptional availability and performance features found in our high-end systems. Downtime is significantly reduced by the server's resilient architecture, advanced system management tools, and software enhancements such as Dynamic Reconfiguration and Alternate Pathing

(DR/AP). DR/AP enables online expansion and maintenance, making this the ideal choice for both enterprises and service providers. The combination of Sun's scalable Solaris™ Operating Environment, which runs on all Sun™ servers, and the system's modular hardware components delivers unmatched investment protection and makes it easy to expand performance and capacity. That's lasting value.

## HIGHLIGHTS

- Advanced availability features maximize application uptime and allow online expansion, with the ability to reconfigure and repair system components while the server remains online.
- Up to eight processors using Sun's high-speed Gigaplane™ system interconnect deliver leading application performance.
- Leveraged design of the Sun Enterprise 3500 server to the Sun Enterprise 6500 server family enables on-site upgrades all the way to 30 processors.
- Sun Management Center software simplifies system management, lowering your total cost of ownership with an easy-to-use interface and proactive hardware failure prediction.

# SUN ENTERPRISE™ 3500 SERVER SPECIFICATIONS

## PROCESSOR

Number of processors	One to eight
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	One to eight, 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 five 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 16-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	Maximum eight 3.5-in. hot-swappable FC-AL disk drives with dual connections
Internal tape	8-mm and 4-mm tape options available
CD-ROM	SunCD™ 32 drive standard
External storage	Supports over 10-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 AC Inlet/Peripheral Power Supply standard. Optional, 195-watt Second Peripheral Power Supply available. Up to three 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 and Disk Drives  
Internal Disk Drives with Dual Connections  
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	100-240 VAC, 47-63 Hz, 9.5 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 Immunity	FCC Class A, DOC Class A, EN55022 Class A, VCCI Class 1
Harmonics	EN50082-1 EN61000-3-2





## DIMENSIONS AND WEIGHT

Height	65 cm (25.5 in.)
Width	43 cm (17.0 in.)
Depth	60 cm (23.5 in.)
Weight, main cabinet	72.5 kg (160 lb.) approximate
Power cord	1.83 m (6 ft.)

## UPGRADES

System upgrades are available for Sun Enterprise 1, Sun Enterprise 2, Sun Enterprise 150, Sun Enterprise 250, Sun Enterprise 450, Sun Enterprise 3000, SPARCserver™ 10/20, SPARCserver 1000/1000E, SPARCserver 6X0, 4X0, and 3X0 systems. 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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