

SUN ENTERPRISE™ 10000 SERVER

HIGHLY AVAILABLE DATA CENTER SERVER.



For large-scale and mission-critical applications—high-volume OLTP, server consolidation, data warehousing, and decision support—the Sun Enterprise™ 10000 (Starfire™) server delivers industry-leading performance as well as outstanding price/performance. Mainframe-like reliability, along with exceptional scalability and capacity gives you the power to make strategic decisions quickly and efficiently. As your applications grow, the Sun Enterprise 10000 server expands for maximum processing power, memory, and disk storage—delivering true investment protection and lower total cost of ownership. The unique partitioning capability of a Starfire through the Dynamic System Domains feature helps to enable you to consolidate several servers into a single system for greater data center efficiency.

HIGHLIGHTS

- The only UNIX® system that provides mainframe-like Dynamic System Domains.
- An extremely reliable and available system with strong RAS features.
- Up to 64 400-MHz UltraSPARC™ processors, providing 3150 mainframe MIPS in a single cabinet.
- RAID 0, RAID 1, and RAID 5 support.
- Up to 64 gigabytes of shared memory and over 12 GB/sec system bandwidth for fast data transfer and constant latency.
- More than 100 TB of online disk for the largest data warehousing projects.
- Full hot-swap support for upgrading and replacing components on the fly, without system reboot.
- Solaris™ Operating Environment software (UNIX® SVR4) runs more than 13,000 off-the-shelf applications.

SERVERS

SUN ENTERPRISE™ 10000 SPECIFICATIONS

PROCESSOR

Number of processors	4 to 64, 400 MHz
Architecture	UltraSPARC™
Cache per processor	Primary: 16 KB instruction, and 16 KB data on chip
	Secondary: 8 MB external cache
CPU interface	64-bit Ultra™ Port Architecture (UPA)

SYSTEM BOARDS

Number of boards	Maximum of 16 system boards per Sun Enterprise™ 10000 server; minimum configuration contains one system board
	Each holds four processors, up to four SBus or 2 PCI cards, memory module with four banks of eight SIMMs each

MAIN MEMORY

Up to 64 GB memory capacity per system
2 GB and 4 GB memory expansion modules
Up to two memory expansion modules per system board

STANDARD INTERFACES

SBus	64-bit data bus width, 25 MHz
PCI	64-bit data bus width, 33 or 66 MHz

MASS STORAGE

Disk array	Sun StorEdge™ products supported
	Over 100+ TB storage available
	SCSI, Fibre Channel supported

SBUS OPTIONS

SunFastEthernet™ adapter, SunATM™ adapter, SBus Sun Quad FastEthernet™ controller, Sun™ Gigabit Ethernet differential fast/wide intelligent SCSI-2 SBus, UltraSCSI, single-ended fast/wide intelligent SCSI-2 SBus (SWIS/S) host adapter, SunHSI™ Token Ring interface, SunFDDI™ fast SCSI-2/buffered Ethernet, fast differential SCSI-2/buffered Ethernet, serial/parallel controller, Fibre Channel Arbitrated Loop

PCI OPTIONS

Sun™ HIPPI/P 1.0, IBM ESCON®, Sun Gigabit Ethernet, SunATM 622

POWER SUPPLIES

Fully redundant power and cooling are standard with this system

SOFTWARE

Operating system	Solaris™ Operating Environment
Languages	C, C++, Pascal, FORTRAN, Java™
Networking	ONC™/NFS™, TCP/IP, SunNet™ OSJ, MHS, X.25, DCE, Netware, SunLink™ SNA
System monitoring	Hostview
System and network	Solstice Site Manager™ and Solstice Domain Manager™, Solstice Backup™, Solstice DiskSuite™, Sun StorEdge™ Volume Manager
IBM connectivity	SunLink™ connectivity products

ENVIRONMENT

AC power	200-240 single-phase VAC, 47-63 Hz, 24 A per line cord (up to five redundant line cords)
Operating	10°C to 30°C (41°F to 95°F) 30% to 70% relative humidity, noncondensing

OPTIONS/FEATURES

Capacity on Demand (COD)	Purchase extra installed processors that can be activated as needed
Dynamic Reconfiguration/Automated Dynamic Reconfiguration (DR/ADR)	Reallocate system resources (processors, memory, I/O boards) as capacity needs change or for repairs without an operating system reboot
Dynamic System Domains (DSD)	Allow mainframe-like partitioning of resources within a single server
InterDomain Networking (IDN)	Transfer data between domains using high-speed internal network connections
	TCP/IP network traffic between domains can be transmitted directly through Starfire™ server's built-in circuits

REGULATIONS

Meets or exceeds the following requirements:

Safety	UL 1950, CUL CAN/CSA 22:2 M950, TUV EN60950
RFI/EMI	FCC Class A, EN50021-1 Class A
Immunity	EN50082-1

DIMENSIONS AND WEIGHT

Height	178 cm (70 in.)
Width	127 cm (50 in.)
Depth	99 cm (39 in.)
Weight, main cabinet	818 kg (1800 lb.) approximate, fully configured
Power cord	4.3 m (14 ft.)

SALES OFFICES

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