

SUN™ ENTERPRISE™ 10000 SERVER

HIGHEST PERFORMANCE DATA CENTER SERVER.



For large-scale and mission-critical applications—data warehousing, decision support, server consolidation, or high-volume OLTP—the Sun™ Enterprise™ 10000 (Starfire™) server delivers industry-leading performance as well as outstanding price/performance. Plus mainframe-like reliability, exceptional scalability, and unmatched capacity, giving 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. Unique Starfire dynamic reconfiguration simplifies system management so you can consolidate several servers into a single system for greater data center efficiency.

HIGHLIGHTS

- The only UNIX® system that provides mainframe-like Dynamic System Domains.
- RAS features provide the most reliable system in its class.
- Up to 64 336-MHz UltraSPARC™ processors and disk storage 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 20 TB of disk space for the largest data warehousing projects.
- Full hot-swap support for upgrading and replacing components on the fly, without system reboot.
- Solaris™ (UNIX SVR4) operating environment runs more than 12,000 off-the-shelf applications.

SERVERS

SUN ENTERPRISE 10000 SPECIFICATIONS

PROCESSOR

| | |
|----------------------|---|
| Number of processors | 16 to 64, 336 MHz |
| Architecture | Superscalar SPARC™ Version 9, UltraSPARC™ |
| Cache per processor | Primary: 16-KB instruction, and 16-KB data on chip |
| CPU interface | Secondary: 4-MB external cache 64-bit Ultra™ Port Architecture (UPA) |

SYSTEM BOARDS

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|------------------|---|
| Number of boards | Maximum of 16 system boards per Enterprise 10000; minimum configuration contains four system boards Each holds up to four processors, up to four SBus cards, memory module with four banks of eight SIMMs each |
|------------------|---|

MAIN MEMORY

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| 2-GB to 64-GB memory capacity per system |
| 512-MB and 2-GB memory expansion options (each a group of 16 SIMMs) |
| Up to two memory expansion options per system board |

STANDARD INTERFACES

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|------|-------------------------------|
| SBus | 64-bit data bus width, 25 MHz |
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INTERNAL MASS STORAGE

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| Disk array | Sun™ StorEdge™ A5000 Array. Fibre channel Arbitrated Loop. 127.4-GB storage |
| Disk tray | Sun StorEdge A3000 Array. Ultra™ SCSI. Up to 318.5-GB storage |

SBUS OPTIONS

SunFastEthernet™ adapter, SunATM™ adapter, SBus quad Ethernet controller, differential fast/wide intelligent SCSI-2 SBus, Ultra SCSI, single-ended fast/wide intelligent SCSI-2 SBus (SWIS/S) host adaptor, HSI, Token Ring interface, FDDI, fast SCSI-2/buffered Ethernet, fast differential SCSI-2/buffered Ethernet, serial/parallel controller; Fibre Channel Arbitrated Loop

POWER SUPPLIES

Fully redundant power and cooling standard with this system

SOFTWARE

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| Operating system | Solaris 2.6 operating environment |
| Languages | C, C++, Pascal, FORTRAN, Java™ |
| Networking | ONC™, NFS™, TCP/IP, SunNet™, OSI, MHS, X.25, DCE, Netware |
| Windowing system | OpenWindows™ Version 3 optional |
| System monitoring | Hostview |
| System and network | Solstice™ Site Manager™ and Solstice Domain Manager™, Networker management software for Solaris, Solstice DiskSuite™, SPARCstorage™ 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 |

REGULATIONS

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| Meets or exceeds the following requirements: | |
| Safety | UL 1950, CUL CAN/CSA 22:2 M950, TUV EN60950 |
| RFI/EMI Immunity | FCC Class A, EN50021-1 Class A, EN50082-1 |



DIMENSIONS AND WEIGHT

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|----------------------|--|
| Height | 178 cm (70 in.) |
| Width | 127 cm (50 in.) |
| Depth | 99 cm (39 in.) |
| Weight, main cabinet | 635 kg (1400 lb.) approximate, full configured |
| Power cord | 4.6 m (15 ft.) |

SALES OFFICES

| | |
|-------------------------------------|--------------------|
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DATA CENTER SOLUTIONS

| SUN ENTERPRISE 10000 | SUN ENTERPRISE 6500 | SUN STOREDGE A7000 |
|---|---|--|
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HEADQUARTERS

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