Expandable, mission-critical availability and performance.

The Sun Enterprise™ 6500 system is designed to run mission-critical, data center and Internet applications, such as ERP systems, data warehousing, e-commerce, and supply chain management. Modular components make it easy to increase performance and I/O capacity in this highly expandable server. Sun’s unmatched availability features, Dynamic Reconfiguration and Alternate Pathing, enable you to add, remove, upgrade, and service system components while the server remains online. The Solaris™ Operating Environment enables the Sun Enterprise 6500 server to effectively scale to its maximum capacity. And Sun’s advanced system management software provides effective, easy-to-use tools to manage the server’s powerful resources.

HIGHLIGHTS

• Up to 30 high-performance processors and tremendous I/O throughput deliver leading application performance.
• Sun™ Management Center software simplifies system management, lowering your total cost of ownership with an easy-to-use interface and proactive hardware failure prediction.
• Flexible, dependable service offerings from Sun provide mission-critical support that fits your budget.
• The robust Solaris Operating Environment supports more than 12,000 off-the-shelf applications.
**SUN ENTERPRISE 6500 SERVER SPECIFICATIONS**

**PROCESSOR**
- Number of processors: 1 to 30
- Architecture: Supercalcul 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 30 128-bit Ultra Port Architecture (UPA) slots
- System Interconnect: GigaPIPE, 2.68-GB/sec (at 84 MHz)

**SYSTEM BOARDS**
- Number of boards: Full system upgrades are available for SPARCcenter 2000/2000E systems.
  - SBUs: Hot-swap disk drives
  - PCI options: Dual-speed fans. One PCM required per two systems boards. Fully-swappable 300-watt Power Cooling Modules (PCM) with redundant, noncondensing fans.
  - Power supplies: One 184-watt Peripheral Power Supply standard. Up to eight 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/Memory board: SunFastEthernet, SunCD, SunQuad FastEthernet, Fast/Wide UltraSCSI, 10/100-BaseT Fast/Wide SCSI, ISDN, Fast/Wide Intelligent SCSI (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 1 buffered Ethernet (DUEBE/S), Fast SCSI 2 buffered Ethernet (FSBE/S), Sun Gigabit Ethernet, FC-AL
- SBUs: Offers one SBus channel, two SBus slots, an UltraPort slot for Creator3D graphics, SunFastEthernet, Fast/Wide SCSI 2, two FC-AL sockets
- SBus I/O board: Offers several SBus channels, three SBus slots, SunFastEthernet, Fast/Wide SCSI 2, two FC-AL sockets
- VGA I/O board: Offers four PCI channels, two (short) PCI slots, SunFastEthernet, Fast/Wide SCSI 2
- Main Memory: Up to 66-GB memory capacity per system

**STANDARD INTERFACES**
- Serial: Two RS-232/422 ports on back panel
- Bus: One 64-bit data bus width, 66 MHz
- Memory: On-board 64-bit data bus width, 66 MHz
- Ethernet: 10/100-MB/sec twisted pair standard (10BaseT and 100-BaseT) and/or MII transceiver per I/O board
- Fiber channel: Points to 100-MB/sec Fast/Wide SCSI-2 (synchronous) per I/O board
- Transmission: 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 drives, one each with two SSCI disk drives
- Internal tape: More than 2 TB of storage can be mounted in the system cabinet
- CD-ROM: Supports over 32-TB of storage
- External storage: Supports 20-TB of storage

**CONSOLE OPTIONS**
- Monitor: 17 to 24-inch color monitors
- Frame buffer: PGX32, Creator3D, and Elite3D frame buffer
- Frame buffer: SunFastEthernet, SunATM 155 and 622, Sun Quad Fast Ethernet, Differential Fast/Wide Intelligent SCSI-2 (DWSF/S), Single-Ended Fast/Wide Intelligent SCSI-2 (DSWSF/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 1 buffered Ethernet (DUEBE/S), Fast SCSI 2 buffered Ethernet (FSBE/S), Sun Gigabit Ethernet, FC-AL
- SBus options: Offers one SBus channel, two SBus slots, an UltraPort slot for Creator3D graphics, SunFastEthernet, Fast/Wide SCSI 2, two FC-AL sockets
- PCI options: Offers four PCI channels, two (short) PCI slots, SunFastEthernet, Fast/Wide SCSI 2
- PCI I/O board: Offers four PCI channels, two (short) PCI slots, SunFastEthernet, Fast/Wide SCSI 2

**DIMENSIONS AND WEIGHT**
- AC power: 200-240 VAC, 47-53 Hz, 2A
- 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**
- Meets or exceeds the following requirements:
  - UL 1950, CSA 950, TUV EN60950, CB Scheme (Nordic Deviation)
  - FCC Class A, DCC Class A, EN55022 Class A, VCCI Class 1
- Safety: EN60950, UL 1950, CSA 950

**UNITS**
- Height: 173 cm (68 in.)
- Weight, main cabinet: 450 kg (1000 lb.) approximate
- Number of processors: 1 to 30

**UPGRADES**
- Full system upgrades are available for SPARCcenter 2000/2000E systems.
- Chassis upgrades are available for Sun Enterprise 4000, Sun Enterprise 4500, Sun Enterprise 5000, and Sun Enterprise 5500 servers. Competitive server trade-ins are also available.