

Rack-ready, flexible, highly available server for the data center.

SUN FIRE™ 4800 Server

HIGHLIGHTS

- Up to 12 high-performance, award-winning UltraSPARC™ III processors in a symmetric multiprocessing architecture
- Industry's first fully redundant, reconfigurable, hot-pluggable system interconnect
- Full hardware redundancy, Dynamic Reconfiguration*, online upgrades*, Hot CPU Upgrades*, concurrent maintenance*, clustering*, and accelerated system recovery help provide for continuous, highly available computing
- Runs the proven, tested Solaris™ 8 Operating Environment
- Two Dynamic System Domains* for mainframe-like partitioning; Solaris Resource Manager™ for advanced workload management
- Hot-swappable common components for excellent investment protection
- Sun™ Management Center software helps enable administrators to actively manage thousands of Sun systems through a simple Java™ technology interface, web browser, or command line interface
- Choice of rack-mount or desktide configurations
- Worldwide consulting, educational, support, and remote services to help provide continuous availability

For databases, business applications, high-performance computing, or server consolidation, Sun has the solution for the next-generation data center. Based on UltraSPARC™ III technology, the Sun Fire™ 4800 server is designed to deliver continuous computing. With the redundant, reconfigurable Sun™ Fireplane interconnect, it delivers impressive total system performance. Full hardware redundancy and a variety of advanced mainframe-class availability features, such as Hot CPU

Upgrades* and Dynamic Reconfiguration*, help deliver superb uptime. With Solaris Resource Manager™ and Dynamic System Domains*, the system has the flexibility to accommodate changing resource requirements across multiple applications. And the Sun Fire 4800 server can be utilized as a desktide system, or placed in Sun Fire expansion racks or standard 19-inch racks. Either way, the Sun Fire 4800 server helps provide the continuous availability and serviceability features you demand.

*These capabilities will be available in 2001



Purchase these products from the Sun™ Store, sun.com/store or contact an authorized Sun reseller near you.

SUN FIRE 4800 SERVER

At the heart of Sun Fire midframe servers, the Sun Fireplane interconnect provides very high sustained bandwidth—9.6 GB per second. Sun Fire servers also feature the 64-bit UltraSPARC III processor with 8 MB of e-cache, with a four-way associative on-chip 64-KB data and 32-KB instruction cache and integrated memory controller. These capabilities make the Sun Fire 4800 server an excellent platform for commercial or high-performance computing.

SUN FIRE 4800 SERVER SPECIFICATIONS

PROCESSOR

Number of processors	Two to twelve
Architecture	Superscalar SPARC™ V9, UltraSPARC III
E-cache per processor	8 MB
System interconnect	Sun Fireplane interconnect 9.6 GB/sec. sustained

SYSTEM

Main memory	Up to 96 GB of memory capacity per system
I/O	Sixteen PCI slots (four 66-MHz and twelve 33-MHz) or eight hot-swappable cPCI slots* (four 66-MHz and four 33-MHz)
System controller	Up to two per system
Redundancy kit (optional)	Redundant power supply, fan, system controller
Media device (optional)	Sun StorEdge™ D240 Media Tray, a four-device tray that supports hard disk, tape, or DVD-ROM. Can be used as a boot, data-storage, data-load and data-interchange, or data-backup device.

AVAILABILITY

Full hardware redundancy, Dynamic System Domains*, Dynamic Reconfiguration*, Hot CPU Upgrades*, online upgrades*, concurrent maintenance*, end-to-end ECC protection, redundant network connections, redundant storage connections, kernel hot patching, hardened operating system kernel, live operating system upgrades, journaling file system, hardened I/O drivers, and cluster support*

RESOURCE MANAGEMENT

Dynamic System Domains*, Solaris Resource Manager, Solaris Bandwidth Manager

SOFTWARE

Operating system	Solaris Operating Environment, version 8 4/01 or later
Languages	C, C++, Pascal, FORTRAN, Java
Networking	ONC™, NFS, TCP/IP, SunLink™ OSI, MHS, X.25, DCE, Netware
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, VERITAS Volume Manager, Sun Cluster*, Sun HPC ClusterTools™*

ENVIRONMENT

AC power	200–240 VAC (47–63 Hz), 20 Amp
Power cords	Three
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:

Safety	UL 1950, CSA 950, TUB EN60950, CB Scheme (Nordic Deviation)
RFI/EMI	FCC Class A, DOC Class A, E55022 Class A, VCCI Class 1
Immunity	EN50082-1
Harmonics	EN61000-3-2

DIMENSIONS AND WEIGHT

Height	762 mm (30.0 in.)
Width	446 mm (17.6 in.)
Depth	724 mm (28.5 in.)
Weight	125.0 kg (275.0 lb.)
Power cord	4.6 m (15.0 ft.)

PACKAGING

Deskside enclosure	Equipped with rollers
Rack-mount enclosure	Fits in standard 19-in. racks. Equipped with mounting rails for the Sun Fire cabinet.

UPGRADES

Full system upgrades are available for Sun Enterprise™ 3x00, 4x00, and 5x00 systems. Older Sun servers are eligible under Sun's Server Consolidation Program, and trade-in programs for other vendors' servers are also available. For more information, contact your local sales representative.

*These capabilities will be available in 2001



Front



Back



Sun Fire 4800 server in a Sun Fire cabinet

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