Rack-optimized, highly available server for Internet data centers.

SUN FIRE™ 4810 Midframe Server

HIGHLIGHTS

- Up to 12 high-performance, award-winning UltraSPARC™ III processors in a symmetric multiprocessing architecture
- Industry's first fully redundant, reconfigurable system interconnect
- Full hardware redundancy, Dynamic Reconfiguration*, online 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
- Fits into either a Sun Fire cabinet or standard 19-inch rack for maximum compute density
- Components are completely front-accessible for easy serviceability in specialized environments
- Worldwide consulting, educational, support, and remote services to help provide continuous availability

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

For Internet data centers or environments that require single-side access to all components, the UltraSPARC™ III technology-based Sun Fire™ 4810 server is the flexible, highly available solution. 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 Dynamic Reconfiguration*, online upgrades*, and concurrent maintenance*, help deliver excellent uptime. With Solaris™ Resource Manager and Dynamic System Domains*, the system has the flexibility to accommodate changing resource requirements across multiple applications. The Sun Fire 4810 form factor is designed to fit into Internet data centers that often employ 30-inch-deep racks. Plus, components are front-accessible for easy placement and serviceability. It's simply an ideal server for specialized environments where continuous availability and up-time are crucial.

*These capabilities will be available in 1st half of 2002

ANALYST'S CHOICE Best Server/Workstation Processor UltraSPARC III

SUN FIRE 4810 MIDFRAME 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 4810 server an excellent platform for commercial or high-performance computing.

Front

Front, in Cabinet

SUN FIRE 4810 MIDFRAME SERVER SPECIFICATIONS

PROCESSOR

Number of processors	Two to twelve
Architecture	Superscalar SPARC™ V9, UltraSPARC III
E-cache per processor	8 MB
CPU interface	Two to twelve 128-bit slots
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*; online upgrades*; concurrent maintenance*; end-to-end data integrity, including ECC; 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
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, 16.4 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	UL1950, CSA C22.2 950, TUV EN60950, CB Scheme with all Country Deviations
Ergonomics	EK1-ITB-2000
Emissions	FCC Class A, ICES-003 Class A, EN55022 Class A, VCCI Class A, BSMI Class A, EN61000-3-2, EN61000-3-3
Immunity	EN55024
Regulatory markings	CE, FCC, ICES-003, C-tick, VCCI, GOST-R, BSMI, EK, UL/cUL, TUV-GS

DIMENSIONS AND WEIGHT

Height	934 mm (36.8 in.)
Width	446 mm (17.6 in.)
Depth	600 mm (23.6 in.)
Weight	138.3 kg (305.0 lb.)
Power cord	4.6 m (15.0 ft.)

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 1st half of 2002

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