

Sun Fire™ 4800 Midframe Server



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

Key feature highlights

Up to 12 high-performance, award-winning UltraSPARC® III processors in a symmetric multiprocessing architecture.

Investment protection with hot-swappable Uniboard CPU/Memory boards, common across the entire Sun Fire 4800-15K server family.

High availability via fault-isolated Dynamic System Domains, Dynamic Reconfiguration, online upgrades, and auto diagnosis and recovery.

Fully redundant, reconfigurable Sun™ Fireplane Interconnect delivers outstanding real-world performance.

Capacity on Demand (COD) purchasing option helps enhance and simplify system scalability, reduce hardware acquisition costs, and increase system availability.

For databases, business applications, high-performance computing, or server consolidation, the UltraSPARC® III-based Sun Fire™ 4800 server is designed for continuous computing. Full hardware redundancy and a variety of mainframe-class availability features, such as Dynamic Reconfiguration, auto diagnosis and recovery, online upgrades, and concurrent maintenance help deliver superb uptime. With Solaris™ Resource Manager software and fault-isolated Dynamic System Domains, the system has the flexibility to accommodate changing application requirements. And, the Sun Fire 4800 server can be utilized as a desktside system, or placed in Sun Fire expansion cabinets or standard 19-inch racks.



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Specifications

Processor

Number	2 to 12
Architecture	Superscalar SPARC® V9, UltraSPARC® III
Cache per processor	Level 1: Parity protected 32 KB instruction and 64 KB data on chip (single-bit errors are corrected) Level 2: ECC protected 8 MB external cache

System

CPU/Memory boards	Up to three Uniboard CPU/Memory Boards, with two or four processors each and up to 32 GB memory per board; maximum 12 processors per system
Main memory	Up to 96 GB of memory capacity per domain
I/O	16 PCI slots (four 66-MHz and twelve 33-MHz) or eight hot-swappable cPCI slots (four 66-MHz and four 33-MHz)
System interconnect	Sun™ Fireplane Interconnect
System bandwidth	9.6 GB/sec sustained bandwidth, 33.6 GB/sec aggregate bandwidth
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, and DVD-ROM. Can be used as a boot, data-storage, data-load, data-interchange, and data-backup device

Availability

Full hardware redundancy, fault-isolated Dynamic System Domains, Dynamic Reconfiguration, enhanced auto recovery, proactive self diagnostics, 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™ 8 or later Operating Environment (02/02 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), 16 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-HTB-2000
Emissions	FCC Class A, ICES-003 Class A, EN55022 Class A, VCCI Class A, BSMI Class A, EN61000-3-2, EN61000-3-3
RFI/EMI	EN55022/CISPR22 Class A, FCC CFR47 Part 15 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	762 mm (30.0 in.)
Width	446 mm (17.6 in.)
Depth	724 mm (28.5 in.)
Weight	131.1 kg (289.0 lb.)
Power cord	4.6 m (15.0 ft.)

Packaging

Desktop enclosure	Equipped with rollers
Rack-mount enclosure	Fits into a standard 19-inch rack. Also equipped with mounting rails for the Sun Fire cabinet. One Sun Fire 3800 and one Sun Fire 4800 server can be placed inside the same rack.

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 Sun sales representative or authorized Sun reseller.

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



Front



Back



Sun Fire 4800 server in a Sun Fire cabinet

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