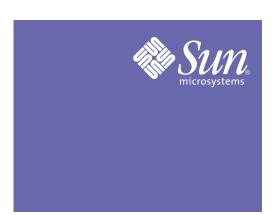
Sun Fire 15K Server

Making the Net Work with a massively scalable server ideal for mainframe rehosting, server consolidation, and technical computing



High Availability with Investment Protection

Running the robust SOLARIS™ Operating Environment, the Sun Fire 15K server features built-in hardware redundancy for maximum uptime and availability, scales up to 106 UltraSPARC™ III Cu processors and supports big memory - over 1/2 TB - to handle large workloads or to support server consolidation, and delivers exceptional performance with up to 172.8 GB/sec aggregate bandwidth via the redundant Sun Fireplane Interconnect. Extremely flexible resource management is provided by Dynamic Reconfiguration, online upgrades, and hot CPU upgrades.

Protect investments with binary compatibility across the entire Sun server family, and hot-swappable, interchangeable Uniboard CPU/Memory boards, common across Sun Fire 3800-15K servers.

Maximize uptime with up to 18 Dynamic System Domains, reconfigurable while applications are running

Exceptional availability via automatic system failover of 2 redundant **System Controllers and** system clock with no service interruption to users



Sun Fire 15K Server

Specifications

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

Processor

Number Up to 106

UltraSPARC III Cu Superscalar SPARC™ V9, Architecture

ECC Protected

Level 1: Parity protected 32 KB instruction Cache per Processor and 64 KB data on chip (single-bit errors

are corrected)

Level 2: ECC protected 8 MB external cache System Interconnect

150 MHz Sun Fireplane redundant 18x18 data, address, and response crossbar

interconnect

System

Uniboards Up to 18 Uniboard CPU/Memory Boards,

with 4 processors and up to 32 GB memory; max 576 GB memory per system. (Also, Uniboards with 2 CPUs and 4GB memory.)

Up to 72 I/O hot-swappable PCI slots; 36 slots are 66 MHz, 36 slots are 33 MHz; supports 10/100BaseT ethernet, gligabit ethernet, UltraSCSI (LVD & HVD), ATM,

FC-AL, & HiPPI

Performance

Overall System Bandwidth Up to 172.8 GB/sec aggregate, up to

115.2 GB/sec peak; up to 43.2 GB/sec

Overall I/O Bandwidth Up to 21.6 GB/sec sustained

Availability

Hot CPU upgrades Online upgrades Journaling file system Redundant network connections Redundant storage connections Hardened operating system kernel Hardened I/O drivers

RAS Features

Standard

Dynamic Reconfiguration/Automated DR, Concurrent DR, Initiate DR from domain,

as well as from SC

Dynamic System Domains

Up to 18 Domains allow secure. fault-isolated, dynamic partitioning of resources within a single server

Security

Domain Management

Dedicated network connections (SC to 18 domains) inside Sun Fireplane Interconnect

Resource Management

Standard

Sun's 5th-generation Dynamic System Domains, Solaris Resource Manager™ and Bandwidth Manager™

Software

Operating System Solaris 8 or later Operating Environment

(10/01 or later)

C, C++, Pascal, FORTRAN, Java Languages

ONC™/NFS™, TCP/IP, SunNet™ OSI, X.25 Start, Networking

DCE, Netware

Sun[™] MC 3.0; SMS 1.1 (or later) System Management

VERITAS Volume Manager 3.1.1, VERITAS File **Network Management**

System 3.4, Sun Cluster 3.0

Storage

Standard

250+ Terabytes direct connect storage - fibre channel & UltraSCSI; Sun StorEdge 9900, 6900, 3900, T3, A5200, S1, D1000, and tape

Environment

AC Power

200-240 single phase VAC, 47-63 Hz, six 30 Amp circuits redundant with another six on

a separate power grid

22° C (72° F) at 45% non-condensing Optimum

humidity

10° C to 35° C (50° F to 90° F) at Range 20% to 80% non-condensing humidity Altitude Up to 3,048 meters/10,000 feet

Regulations

Safety

Meets or exceeds UL 1950, CUL CAN/CSA 22:2

M950, TUV EN60950

RFI/EMIFCC Immunity Meets or exceeds Class A, EN50021-1 Class A,

Dimensions and Weight

191 cm (74.75 in.) Width 85 cm (33.25 in.) Denth 166 cm (65 in.)

1,122 kg (2,468 lb.) fully configured Weight

Upgrades

Sun Enterprise/Sun Fire

Trade-in allowances are available for Sun Enterprise 4x00, 5x00, 6x00, and 10000 systems, along with the Sun Fire 6800 server. A Sun Fire 12K can be upgraded to a

Sun Fire 12K

Sun Fire 15K.

Older Sun servers are eligible under Sun's Older Sun systems Server Consolidation Program.

Other vendors' systems Trade-in programs for other vendors' servers

are also available.



Sun Fire 12K



Sun Fire 6800



Sun StorEdge 9960

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