Sun microsystems

(intel)

Sun Fire™ X4150 Server
Industry-leading performance, system design excellence, and expandability

Highlights

- Rack-optimized two-socket x64 server

- Supports up to two processors, 16 memory slots, and eight disks in a 1 RU form factor

- Energy-efficient system design saves on power and cooling

- Easy and simple system management and monitoring built into every system

- Ease of serviceability improves system uptime and reduces service cost

- Choice of virtually any operating system: the Solaris™ OS, Linux, Windows, VMware

- Ideal platform for database, storage-intensive applications, and Web infrastructure

- Optional professional services and training and integrated support to optimize your server implementation

- Instantly speed up I/O intensive application performance with Flash technology

- Try risk-free for 60 days—Sign up for a free trial at sun.com/tryandbuy

intel Xeon inside™

> Your IT department is under increasing pressure to stay ahead of demands to deliver more services and to support more users. The Sun Fire™ X4150 server is fast and expandable, and its unique system design makes it energy efficient, reliable, and easy to manage—ideal for Web infrastructure, database, and storage-intensive applications, especially within resource constraints.

The Sun Fire X4150 server is an enterprise-class, two-socket, rackmount x64 system powered by the Intel® Xeon® Processor 5400 series, packing high performance and headroom expansion into a compact 1 RU footprint.

The Sun Fire X4150 server's outstanding performance reduces development time, speeds time to market, and runs memory- and disk-intensive applications more efficiently, making it especially suited for Web serving, database, and storage-intensive applications. Coupled with its unmatched expandability, this server is ideal for the financial services, service provider, manufacturing, government, and education markets.

With its built-in enterprise-class RAS features, including Integrated Lights Out Manager (ILOM), hot-swappable and redundant RAID-enabled disks, cooling fans, and power supplies, the server maximizes uptime and simplifies system management, resulting in reduced administration costs. The server also offers superior flexibility—you can choose to run Solaris, Linux, Windows, or VMware operating systems. The simple system management, designed-in serviceability, efficient power and cooling design, and flexibility to run a broad range of applications make it the obvious choice to integrate with new or existing datacenter resources.

Sun offers a suite of services to optimize your Sun Fire X4150 server implementation. SunSpectrum℠ Support focuses on delivering proven expertise and responsive, consistent service quality, to help you achieve high availability within your IT infrastructures. Sun can also help you architect, deploy, and manage your IT initiatives for faster time to deployment and with reduced risk.

Sun Fire X4150 Server Specifications

Architecture

Processor

Intel® Xeon® Processor 5400 series

Main memory

Up to 64 GB (16 x 4 GB) of PC2-5300 667 MHz ECC fully buffered DDR2 memory

System architecture

Based on Intel Xeon architecture, two-socket (eight cores total)

Standard/integrated interfaces

• Network: Four on-board Intel GbE NICs

• Network management: One 10/100 MbE NIC

• Serial: RJ-45

• USB: Five USB 2.0 ports (two front, two rear, one internal)

• Expansion bus: Three PCI Express slots (x8 electrical/x16 mechanical)

Software

Operating systems

• Solaris™ 10 Operating System U4

• Red Hat Enterprise Linux 4 U5 (32-bit/64-bit)

• Red Hat Enterprise Linux 5 (32-bit/64-bit)

• SUSE Linux Enterprise Server 10 SP1 (64-bit)

• VMware ESX 3.0.2

• Windows Server 2003 SP1 or greater (32-bit/64-bit) Standard/Enterprise Editions

• Windows Server 2008 (32-bit/64-bit) Standard/Enterprise Editions

Networking

Four 10/100/1000 Base-T Ethernet ports

Languages

The installation guide, OS installation guide, and product notes set are translated into French, Chinese Traditional, Chinese Simplified, Korean, and Japanese.

The hardware setup guide is translated into Simplified Chinese.

Management

• ILOM providing: DMTF CLP-based CLI over SSH

• Web-based GUI over HTTPS

• IPMI 2.0, SNMP v1, v2c, and v3, remote graphical access (remote KVM) over Ethernet and remote storage over Ethernet

Mass storage and media

• Up to four 32 GB SATA solid-state drives (SSD)

• Up to eight SAS disk drives plus DVD-RW

• Optional RAID levels 0, 1, 1E, 5, 5EE, 6, 10, 50, 60 with add-on SAS Host Bus Adapter

Environment

• Operating temperature: 5°C to 35°C (41°F to 95°F) at sea level

• Nonoperating system: -40°C to 70°C (-40°F to 158°F)

• Operating altitude: 3,048m (10,000 ft.) at 31°C sea level/35°C

• Nonoperating altitude: 12,192m (40,000 ft.)/15 kPa

• Acoustic noise: 60 dBA idle, 70 dBA operating

• Humidity:
  – 10-90% relative humidity, noncondensing, operating
  – 93% relative humidity, noncondensing, nonoperating

• Altitude/pressure: 40,000 ft./15 kPa

Learn More

To learn more about the Sun Fire X4150 server, go to **sun.com/x4150**.

Power

AC power: 100–120/200–240 V AC, 12/6 A, 50-60 Hz

Regulations

Safety: UL/CSA 60950, EN 60950, IEC 60950 CB Scheme with all country differences

RFI/EMI: FCC CFR 47 Part 15 Class A, EN 55022 Class A, EN 61000-3-2, EN 61000-3-3, EN 300 386

Immunity: EN 55024, EN 300 386

Certifications

Safety: UL/cUL, UL DEMKO, CE, BSMI, CCC, GOST-R, S-Mark

EMC: CE, FCC, VCCI, ICES, C-Tick, MIC, CCC, GOST-R, BSMI Class A

Other: Complies with WEEE Directive (2002/96/EC) and RoHS Directive (2002/95/EC)

Dimensions and weight

Height: 44 mm (1.746 in.)

Width: 426 mm (16.75 in.)

Depth: 714 mm (28.125 in.)

Weight: 13.9 kg (30.6 lbs.) min.
18.4 kg (40.6 lbs.) max.

Mounting option

• Rackmounting slide rail kit

• Toolless rackmounting slide rail kit

• Cable management arm