

## Sun Fire™ X4270 Server

Optimized for virtualization and core business applications



### Highlights

- Rack-optimized (2U), two-socket, enterprise-class x64 server
- Supports up to two high-performance Intel Xeon processors 5500 series, 18 DIMM slots, and 16 2.5 in. disk drive bays that can support SAS or SATA hard disk drives, or solid-state drives (SSDs)
- Easy and simple system management and monitoring built into every system — seamlessly integrates into existing infrastructure
- The best consolidation and virtualization server — in a 2U form factor
- Choice of virtually any operating system, including the Solaris OS, Linux, Windows, and VMware
- Supported by award-winning SunSpectrum™ services, installation, and virtualization/consolidation services
- Try risk-free for 60 days — sign up for a free trial at [sun.com/tryandbuy](http://sun.com/tryandbuy)

The Sun Fire X4270 server is perfect for application virtualization, as an infrastructure server for virtual desktop functions in departmental or branch-office settings, or for datacenter consolidation projects of moderate complexity. The open-network system is designed with massive internal storage and I/O to provide speed, simplicity, and savings for consolidation and virtualization.

Not every server can meet the demands of a consolidated workload. Sun's proven expertise and breakthrough innovation can help your datacenter meet that challenge. Powered by the Turbo Boost and Hyper-Threading technologies of high-performance Intel Xeon processors 5500 series, the Sun Fire X4270 server is well suited to assisting consolidation initiatives by supporting numerous business applications, each in its own virtualized server environment. The density of the system — with large memory in a compact 2U form factor — also makes it perfect for horizontally scaled datacenter consolidation needs. Leveraging on-board integrated GbE ports with Intel I/O Acceleration, six x8 PCIe Gen 2 slots, and supporting 10 GbE, SAS, and Fibre Channel via optional PCIe cards ensures that the system offers top network connectivity for each virtualized server.

And the server has the flexibility to enable you to choose between industry-leading virtualization offerings including Microsoft Hyper-V, Sun™ xVM, and VMware.

The Sun Fire X4270 server offers savings and reliability, with an Integrated Lights Out Manager (iLOM) service processor handling fault isolation and error management to help ensure IT personnel will be informed of impending problems before they evolve into service interruptions. iLOM is integrable with many industry-leading management solutions, such as Sun™ xVM Ops Center software, and also enables standalone system management — providing a seamless fit with legacy resources if necessary. Availability is assured with redundant, hot-swappable disks, fans, and power supplies, for maximal uptime.



## Sun Fire X4270 Server Specifications

### Architecture

#### Processor

Intel Xeon processor 5500 series

#### Cache

- Level 1: 32 KB instruction and 32 KB data L1 cache per core
- Level 2: 256 KB unified (data and instruction) L2 cache per core
- Level 3: 8 MB shared inclusive L3 cache per processor

#### Main memory

18 DDR3 DIMM slots (nine DIMM slots per CPU socket): 2 GB, 4 GB at 1,066 MHz; 4 GB at 1,333 MHz — for a max. memory of 144 GB<sup>1</sup>

### System architecture

Based on Intel Xeon processor 5500 series and Intel 5520 Chipset

### Standard/integrated interfaces

- Network: Four 10/100/1000Base-T Ethernet ports
- Network management: One dedicated 10/100Base-T Ethernet port
- Serial management: One RJ-45 port
- USB: Five 2.0 USB ports (two front, two rear, one internal)
- Expansion bus: Six PCIe 2.0 slots — six x8 electrical/x8 mechanical
- One internal CompactFlash slot

### Software

#### Operating systems

- Solaris 10 OS 10/08 (64-bit)
- OpenSolaris OS 2008.11
- Red Hat Enterprise Linux 4.7 (32-bit/64-bit)
- Red Hat Enterprise Linux 5.3 (64-bit)
- SUSE Linux Enterprise Server 10 SP2 (64-bit)
- VMware ESX 3.5 Update 4/ESXi 3.5 Update 4
- Windows Server 2003 Standard/Enterprise Editions (32-bit/64-bit)
- Windows Server 2008 Standard/Enterprise/Datacenter Editions (32-bit/64-bit)

<sup>1</sup> 8 GB DDR3 DIMMs coming soon.



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SunWIN #555877 Lit. #SYDS14853-0 4/09

### Networking

Four 10/100/1000Base-T Ethernet ports

### Management

- Embedded Integrated Lights Out Manager (iLOM)
  - VGA 8 MB: 1,024x768 at 60 Hz
  - Serial port: One RJ-45 port
  - Management port: One 10/100 RJ-45 port
- Enables remote power control; remote keyboard, video, mouse (KVM) graphical access; and remote media (DVD, CD, floppy)
- Secure remote access using Web interface over SSL, or CLI over SSH
- In-band, out-of-band, and side-band remote management
- Sun xVM Ops Center software support
- IPMI 2.0, SNMP v1, v2c, and v3

### Mass storage and media

- Internal disk option: 16 2.5 in. disk drive bays that can support SAS or SATA hard disk drives, or SSDs
- Optical media (DVD ± RW)
- Optional RAID levels: 0, 1, 1E, 5, 5EE, 6, 10, 50, 60

### Environment

- Operating temperature: 5° C to 35° C (41° F to 95° F)
- Nonoperating temperature: -40° C to 70° C (-40° F to 158° F)
- Operating relative humidity: 10–90%, noncondensing
- Nonoperating relative humidity: Up to 93%, noncondensing
- Operating altitude: Up to 3,000m, max. ambient temperature is derated by 1° C per 300m above 900m
- Nonoperating altitude: Up to 12,000m
- Acoustic noise: 7.8 B operating, 7.8 B idling — 63.6 dBA operating, 62.8 dBA idling

### Learn More

To learn more about the Sun Fire X4270 server, go to: [sun.com/x4270](http://sun.com/x4270).

### Power

- Dual-redundant, hot-swappable power supply
- Max. output power: 1,050 W
- Max. AC input current at 100 V AC and 1,050 W output: 12.4 A
- Power supply efficiency at 1,050 W (100%) load: 85%

### Regulations

Safety: IEC 60950-1, UL/CSA 60950-1, EN 60950-1, 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: EN55024, EN300 386

### Certifications

Safety: UL/cUL, CE, BSMI, GOST-R, S-Mark, CSA C22.2 No. 60950-03

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

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

### Dimensions and weight

Height: 84.84mm (3.34 in.)

Width: 425.5mm (16.75 in.)

Depth: 685.8mm (27.0 in.)

Weight: 22.27 kg (49 lbs.)

### Mounting option

- Rackmounting slide rail kit
- Toolless rackmounting slide rail kit
- Cable management arm

### Warranty

Three years, next business day

