

SUN FIRE X4170 SERVER

KEY FEATURES AND BENEFITS

ULTIMATE IN ENTERPRISE PERFORMANCE FOR DATABASE MANAGEMENT OR WEB APPLICATIONS

FEATURES

- Rack-optimized (1U), two-socket, enterprise-class x64 server
- Supports up to two high-performance Intel Xeon processor 5500 series, 18 DIMM slots, and eight disks—for a maximum memory of 144 GB
- A robust enterprise-class server packing maximal price/performance in a dense 1U form factor, designed for running mission-critical applications
- Choice of virtually any operating system, including Solaris, Linux, Windows, and VMware
- Backed with support, installation, and eco-optimization services

BENEFITS

- Energy-efficient system design saves on power and cooling
- Easy and simple management and monitoring built into every system
- Seamlessly integrates into existing infrastructure

Your business is under increasing pressure to deliver more services and to support more users with a shrinking IT budget. To help meet those increasing demands, the enterprise-class Sun Fire X4170 server from Oracle offers optimal price/performance in a compact, space- and energy-efficient 1U form factor.



The Sun Fire X4170 server is ideal for database management or running Web applications.

Speed, Simplicity, and Savings

Able to power the most demanding mission-critical back-office applications, the Sun Fire X4170 server delivers comparable performance to competing 4U solutions while using three-quarters less space and offering significant reductions in power consumption—all at half the price. The superior density and large memory footprint of this server bring speed, simplicity, and savings to your organization.

Intelligent Power Management

Leveraging Intel Xeon processor 5500 series with Hyper-Threading and Turbo Boost technologies, the system offers unparalleled performance with intelligent power management. And with a new and enhanced memory architecture that uses Intel's integrated memory controller and its QuickPath Interconnect, as well as the highest memory speeds and a large memory footprint, the Sun Fire X4170 server is also ideally suited for memory-intensive applications.

The system also offers a choice of operating systems, including Windows, Linux, VMWare and Oracle's Solaris OS, as well as integration with management tools such as Altiris, HP OpenView, IBM Tivoli, and more. The result: seamless integration with your existing IT infrastructure.

When it's time for you to upgrade your IT infrastructure, choosing the Sun Fire X4170 server to replace aging four-socket systems can help your organization realize immediate savings of 25–50 percent or more in rack space, as well as in power and cooling expenditures, yielding a direct reduction in operating costs. We

provide proven performance with years of demonstrated expertise in system design. As a result, our servers offer built-in enterprise-class high-availability features including Integrated Lights Out Manager (ILOM) and hot-swappable, redundant RAID-enabled disks, cooling fans, and power supplies, bringing maximal reliability to keep your most important applications running around the clock. And the Sun Fire X4170 server is designed to scale with you as your business needs grow and change.

Sun Fire X4170 Server Specifications

Architecture	
Processor	
Intel Xeon processor 5500 series	
Cache	
<ul style="list-style-type: none"> • 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 and 8 GB DIMMs for a maximum of 144 GB per system.	
System Architecture	
Based on Intel Xeon processor 5500 series and Intel 5520 Chipset	
Standard Integrated Interfaces	
<ul style="list-style-type: none"> • 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: Three PCIe 2.0 slots—one x16 electrical/x16 mechanical, two x8 electrical/x8 mechanical • One internal CompactFlash slot 	

Software	
Operating Systems	
<ul style="list-style-type: none"> • Solaris 10 • OpenSolaris • Red Hat Enterprise Linux 4 and 5 • SUSE Linux Enterprise Server 10 and 11 • VMware ESX 3.5, ESXi 3.5; VMWare vSphere 4 • Windows Server 2008 Standard/Enterprise/Datacenter editions (32-bit/64-bit) • Windows Server 2003 Standard/Enterprise editions (32-bit/64-bit) 	
Networking	
Four 10/100/1000Base-T Ethernet ports	
Management	
<ul style="list-style-type: none"> • Embedded Integrated Lights Out Manager (ILOM) 	<ul style="list-style-type: none"> • VGA 8 MB: 1,024×768 at 60 Hz • Serial port: One RJ-45 port • Management port: One 10/100 RJ-45 port
<ul style="list-style-type: none"> • Enables remote power control; remote keyboard, video, mouse (KVM) graphical access; and remote media (DVD, CD, floppy) 	

<ul style="list-style-type: none"> • Secure remote access using Web interface over SSL, or CLI over SSH
<ul style="list-style-type: none"> • In-band, out-of-band, and side-band remote management
<ul style="list-style-type: none"> • Sun xVM Ops Center software support
<ul style="list-style-type: none"> • IPMI 2.0, SNMP v1, v2c, and v3
Mass Storage and Media
<ul style="list-style-type: none"> • Internal disk option: Up to eight 2.5 in. disk drive bays that can support SAS or SATA hard disk drives, or solid-state drives (SSDs) • Optical media (DVD ± RW) • Optional RAID levels: 0, 1, 1E, 5, 5EE, 6, 10, 50, 60
Environment
<ul style="list-style-type: none"> • 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 3,000 m, maximum ambient temperature is derated by 1°C per 300 m above 900 m • Nonoperating altitude: Up to 12,000 m • Acoustic noise: 7.6 B operating, 7.6 B idling; 63.1 dBA operating, 60.5 dBA idling
Power
<ul style="list-style-type: none"> • Dual-redundant, hot-swappable power supply • Maximum output power: 760 W • Maximum AC input current at 100 V AC and 760 W output: 9.0 A • Power supply efficiency at 760 W (100%) load: 87%

Regulations
<ul style="list-style-type: none"> • 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: EN 55024, EN 300 386
Certifications
<ul style="list-style-type: none"> • Safety: UL/cUL, CE, BSMI, GOST-R, S-Mark, CSA C22.2 No. 60950-03 • EMC: CE, FCC, VCCI, ICES, C-Tick, MIC, GOSTR, BSMI Class A • Other: Complies with WEEE Directive (2002/96/EC) and RoHS Directive (2002/95/EC)
Dimensions and Weight
<ul style="list-style-type: none"> • Height: 43.43 mm (1.71 in.) • Width: 425.5 mm (16.75 in.) • Depth: 685.8 mm (27.0 in.) • Weight: 16.36 kg (36 lb.)
Mounting Option
<ul style="list-style-type: none"> • Rackmounting slide rail kit • Toolless rackmounting slide rail kit • Cable management arm

Warranty

Visit oracle.com/sun/warranty for Oracle's global warranty support information on

Sun products.

Services

Visit oracle.com/sun/services for information on Oracle's service program offerings for Sun products.

Contact Us

For more information about Oracle's Sun Fire X4170 server, please visit oracle.com or call +1.800.786.0404 to speak to an Oracle representative.



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