

SUN FIRE X4450 SERVER

KEY FEATURES

WORLD-CLASS PERFORMANCE, EFFICIENCY, AND LEADERSHIP DESIGN IN HALF THE FOOTPRINT

- World's smallest four-socket x64 server among tier-one vendors
- Supports up to 24 processor cores, 32 memory slots, and 8 disks in a 2RU form factor
- Unique, space-efficient system design minimizes power and cooling costs
- Integrated Lights Out Manager simplifies system management
- Hot-swappable and redundant components make component changeover fast and easy
- Choice of virtually any operating system: the Solaris OS, Linux, Windows, VMware
- Ideal for consolidation and virtualization, reducing TCO
- Optional professional services, training, and integrated support to optimize your server implementation
- Instantly speed up I/O intensive application performance with Flash technology

As business needs grow, “server sprawl”—increasing numbers of x86 servers in the data center, with spiraling costs for power, administration, and more—grows with it. Now Oracle’s Sun Fire X4450 server prevents server sprawl with its leadership system design that provides the ideal virtualization platform with unmatched energy efficiency and minimized footprint in an easily managed package. This four-socket, 2RU x64 server supports the Intel Xeon processor 7400 series and 7200 series. It is the perfect choice for virtualization and consolidation, database, and business processing applications.



The Sun Fire X4450 server can expand to up to 24 processing cores, 256 GB of memory, and more than 2 TB of internal storage.

Sun Fire X4450 Server Overview

Delivering outstanding compute performance, memory capacity, storage bays, and integrated networking connectivity—in half the footprint—the ecofriendly Sun Fire X4450 server can satisfy your computing requirements today, and scale to meet your computing needs in the future. The system can expand to up to 24 processing cores, 256 GB of memory, and more than 2 TB of internal storage.

The Sun Fire X4450 server offers the freedom to run Solaris, Linux, Windows, or VMware operating systems, helping to prevent vendor lock-in and easing integration with existing IT resources. The enterprise-class server is also designed for availability and reliability, with hot-swappable and redundant RAID-enabled disks, cooling fans, and power supplies. Combined with ILOM, the system is designed to maximize uptime, simplify system management, and reduce administration costs.

Oracle offers a suite of services to optimize your Sun Fire X4450 server implementation. The combined system and support pricing is often less than the traditional cost of purchasing the items as separate and individual components. Oracle can also help you fast-track your consolidation and virtualization initiatives with solutions that help reduce IT costs, improve availability and utilization, and simplify infrastructure management.

Sun Fire X4450 Server Specifications

| Architecture |
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| Processor |
| <ul style="list-style-type: none"> Intel Xeon processor 7400 series, and Intel Xeon processor 7200 series |
| Main Memory |
| <ul style="list-style-type: none"> Up to 256 GB (32 x 8 GB) of PC2-5300 667 MHz ECC fully buffered DDR2 memory |
| System Architecture |
| <ul style="list-style-type: none"> Intel Core microarchitecture |
| Standard Integrated Interfaces |
| Network |
| <ul style="list-style-type: none"> Network: Four onboard 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: Six PCI Express slots (two x8 electrical/x16 mechanical; three x4 electrical/x8 mechanical; and one x4 electrical/ x16 mechanical) |
| Software |
| Operating Systems |
| <ul style="list-style-type: none"> Solaris 10 Operating System 10/08 release Red Hat Enterprise Linux 4 Update 6 (32-bit/64-bit) Red Hat Enterprise Linux 5 (32-bit/64-bit) SUSE Linux Enterprise Server 10 SP1 (64-bit) VMware ESX 3.5 Update 2 Windows Server 2003 SP1 (32-bit/64-bit) Windows Server 2008 (32-bit/64-bit) |
| Languages |
| <ul style="list-style-type: none"> 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. |
| Networking |
| <ul style="list-style-type: none"> Four 10/100/1000Base-T Ethernet ports |
| Management |
| <ul style="list-style-type: none"> 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 |

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| Mass Storage and Media |
| <ul style="list-style-type: none"> • Up to six 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 |
| <ul style="list-style-type: none"> • 5°C to 35°C (41°F to 95°F) at sea level • 5°C to 31°C (41°F to 88°F) at altitude |
| Nonoperating Temperature |
| <ul style="list-style-type: none"> • -40°C to 65°C (-40°F to 149°F) |
| Acoustic Noise |
| <ul style="list-style-type: none"> • LwAd: 7.3 B (idle and operating, room temp.), 7.7 B (max. ambient) • LpAm: 65.8 dBA (bystander position, max. ambient) |
| Humidity |
| <ul style="list-style-type: none"> • 7%-93% relative humidity, noncondensing, operating • 93% relative humidity, noncondensing, nonoperating |
| Power |
| <ul style="list-style-type: none"> • AC power: 100–120/200–240 V AC, 12/6 A, 50–60 Hz |
| Regulations |
| <ul style="list-style-type: none"> • 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 |
| <ul style="list-style-type: none"> • 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 |
| <ul style="list-style-type: none"> • Height: 88 mm (3.49 in.) • Width: 426 mm (16.75 in.) • Depth: 714 mm (28.125 in.) • Weight: 25.6 kg (56.3 lb.) max. |
| 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 X4450 server, please visit oracle.com/sun or call +1.800.786.0404 to speak to an Oracle representative.



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