

SUN FIRE X4440 SERVER

KEY FEATURES

ULTIMATE PERFORMANCE, SCALABILITY, AND POWER EFFICIENCY IN A TWO-RACK UNIT

- The highest performance and memory capacity, and twice the networking connectivity
- Hardware and cross-platform virtualization between the Solaris OS and Windows—plus VMware support—enable server consolidation and help you save on equipment costs
- Improve power and efficiency with AMD HyperTransport3 and HyperTransport Assist—and power-efficient components—minimize operational and maintenance costs
- Six-Core AMD Opteron processors ensure high bandwidth for simultaneous 32-bit and 64-bit application multitasking
- Integrated Lights Out Manager (ILOM) makes remote management simple from anywhere in the world
- Redundant, hot-swappable power supplies, fans, and disk drives improve reliability, while making replacement exceedingly simple
- Runs Oracle Solaris, Oracle Enterprise Linux, Red Hat Enterprise Linux, Novell SUSE Enterprise Linux, VMware, and Microsoft Windows Operating System
- Optional professional services, training, and integrated support to optimize your server implementation

Oracle is revolutionizing the industry with a powerful, scalable, energy-efficient server designed to support escalating business and IT growth without increasing operational expenses. Oracle's Sun Fire X4440 server features blazingly fast AMD Opteron processors, huge storage and memory capacity, numerous connectivity options, and massive room for expansion. This 64-bit, two rack-unit (2U) system delivers the highest performance and scalability in its class, offering a solid foundation for rapidly rising data center requirements, while incorporating software tools to streamline administration and advanced features to minimize resource costs.



A 64-bit, 2U system, the Sun Fire X4440 server provides the performance, scalability, and power to meet your data center requirements.

The Speed and Capacity for Tomorrow's Applications

The Sun Fire X4440 server provides unparalleled speed and system density, plus exceptional connectivity, power-saving, virtualization, and management features, making it an ideal solution for server consolidation, and database services.

Leveraging its versatility, you can easily run today's 32-bit operations as you implement next-generation 64-bit applications.

The Sun Fire X4440 server is the world's most compact four-socket, x64 platform, capable of housing up to four Six-Core AMD Opteron processors, more than 2 TB of internal storage, 256 GB of memory, and twice the networking connectivity in a chassis half the size of competing products. Its superior scalability ensures the server will meet tomorrow's business and IT requirements without the need for additional equipment, while its compact form factor minimizes space requirements.

Oracle offers a suite of services to optimize your Sun Fire X4440 server implementation. 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. Visit oracle.com/sun/services for information on Oracle's service program offerings for Sun products.

Sun Fire X4440 Server Specifications

Architecture	
Processor	Two or four Six-Core AMD Opteron processors
Cache	<ul style="list-style-type: none"> • 6x 512 KB L2 and 6 MB L3 for six-core processor • 3 MB L2 and 6 MB L3 for six-core processor
Main memory	32 DDR2 DIMM slots (eight DIMM slots per CPU socket); system supports from 8 GB (4x 2 GB) to 256 GB (32x 8 GB) of memory
Standard Integrated Interfaces	
Network	Four 10/100/1000Base-T Ethernet ports
Network management	One dedicated 10/100Base-T Ethernet port
Serial management	One TIA/EIA-232-F asynchronous RJ-45 connector
SAS	Two four-channel SAS interfaces, internal access only
USB	Five USB 2.0 ports (two front, two rear, one internal)
Expansion bus	Six internal MD2 low-profile PCI Express slots (1x 16-lane, 4x 8-lane, 1x 4-lane)
Software	
Operating systems	Choice of OS: Oracle Solaris, Oracle Enterprise Linux, Red Hat Enterprise Linux, Novell SUSE Enterprise Linux, VMware, Microsoft Windows Operating System
Languages	<ul style="list-style-type: none"> • C/C++, Fortran • Java programming language • All other standard Sun-supported languages
Networking	ONC, ONC+, NFS, WebNFS, TCP/IP, SunLink, OSI, MHS, IPX/SPX, SMB technologies, and XML
Management	CLI (in-band and out-of-band), IPMI 2.0 (in-band and out-of-band), SNMP (out-of-band only)
Mass storage and media	<ul style="list-style-type: none"> • Eight hot-swappable 2.5 in. SAS disk drives with optional SAS host bus adapter (HBA) • 146 GB 10,000 rpm and 300 GB 10,000 rpm 2.5 in. SAS drives supported. 32 GB 2.5 in. SATA SSD drive supported • One DVD \pm RW drive (PATA-based)
RAID configuration	Add-on RAID 0, 1, 1E, 5, 5EE, 6, 10, 50, 60 with SAS RAID HBA

Environment	
Operating temperature	5°C to 35°C (41°F to 95°F)
Nonoperating temperature	-40°C to 70°C (-40°F to 149°F)
Operating relative humidity	10%–90%, noncondensing
Nonoperating relative humidity	Up to 93%, noncondensing
Operating altitude	Up to 3,000 m, max. ambient temperature is derated by 1°C per 300 m above 900 m
Nonoperating altitude	15 kPa
Acoustic noise	<ul style="list-style-type: none"> • LwAd: At max. ambient, 7 B • LpAm bystander: At max. ambient, 56 dB
Power	
<ul style="list-style-type: none"> • Dual-redundant, hot-swappable power supply • UL max. input power: 12A rms at 100 V AC • Power supply output rating: 1,050 W • AC power: 90–264 V AC (47–63 Hz) 	
Regulations	
Safety	IEC 60950, UL/CSA 60950, EN 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	87.85 mm (3.46 in.)
Width	425.5 mm (16.75 in.)
Depth	711.2 mm (28 in.)
Weight	28.6 kg (63 lb.) min.
Mounting Options	
<ul style="list-style-type: none"> • Rackmount slide rail kit • Toolless rackmount slide rail kit • Cable management arm 	

Warranty

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

Contact Us

For more information about Oracle's Sun Fire X4440 server, please visit oracle.com/sun or call +1.800.786.0404 to speak to an Oracle representative.



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