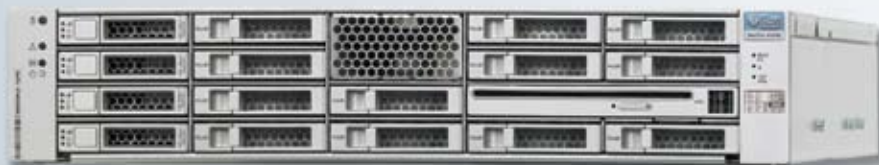




Sun Fire™ X4240 Server

Exceptional speed, capacity, and power efficiency in a two rack-unit system



Highlights

- The highest performance and up to twice the memory capacity, storage capacity, and networking connectivity of any system in its class enables companies to stay ahead of future growth
- Designed for the third-generation AMD Opteron™ processors, offering record-breaking speed for High Performance Computing (HPC)/grid computing and Web infrastructure as well as manufacturing, research, science, and business environments
- Integrated Lights Out Manager (ILOM) makes system-wide management incredibly simple from anywhere in the world
- Flexible system design enables easy expansion of hard drive, memory, and CPU resources, helping customers to meet today's business needs and tomorrow's business growth
- Runs the Solaris™, Red Hat Enterprise Linux, SUSE Linux, Windows™, and VMware operating systems
- Saves on power costs with features such as AMD™ Dual Dynamic Power Management™ and AMD PowerNow!™ — and more power-efficient components



The Sun Fire™ X4240 server enables companies to stay ahead of the growth in data-center requirements, reduce management complexity, and keep resource costs from escalating out of control. This powerful 64-bit, two rack-unit (2 RU) system leverages industry-leading AMD Opteron™ processors, massive storage and memory, a wide array of connectivity options, and superior expandability to provide the fastest, most scalable server in its class.

Powerful, expandable system designed for business growth

Today's datacenter managers are under constant pressure to increase server performance for more users, customers, and new compute-intensive applications, while finding ways to conserve costs for equipment, power, cooling, and real estate. The Sun Fire X4240 server is designed to address these challenges, offering record-breaking speed, exceptional system density and connectivity, advanced power and cooling efficiency, and simple-to-use integrated system management. The server's massive hard drive and memory capacity, third-generation AMD Opteron processors, superior expandability, and support for virtualization make it an ideal workhorse for HPC/grid computing and server consolidation initiatives, as well as for any large-scale

manufacturing, research, science, Web, or business environment.

Designed to ensure maximum investment protection, the Sun Fire X4240 server is expandable — to four cores in a 2 RU system. Integrated Lights Out Manager — coupled with the Sun xVM™ Ops Center and Sun xVM™ Server — enables easy, effective administration, service, and support as well as high levels of management automation.

Optimize your Sun Fire X4240 server implementation with SunSpectrum™ Support, which delivers proven expertise to help you achieve high availability within your IT infrastructures. Sun can also help you architect, deploy, and manage your IT initiatives.

Sun Fire X4240 Server Specifications

Architecture

Processor

- One or two Dual-Core or Quad-Core AMD Opteron processors

Cache

- 2x 1 MB L2 for dual-core processor
- 4x 512 KB L2 and 2 MB L3 for quad-core processor

Main memory

- 16 DDR2 DIMM slots (eight DIMM slots per CPU socket); system supports from 2 GB (2x 1 GB) to 64 GB (16x 4 GB) of memory

Mass storage and media

- Hot-swappable 2.5-in. internal disk; up to 16 SAS disk drives with add-on SAS host bus adapter (HBA)
- One EIDE DVD \pm RW drive

RAID configuration

- Add-on RAID 0, 1, 1E, 5, 5EE, 6, 10, 50, 60 with SAS RAID HBA

Standard/integrated interfaces

- Network: Four 10/100/1000 Base-T Ethernet ports
- Network management: One dedicated 10/100 Base-T Ethernet port
- Serial: One TIA/EIA-232-F asynchronous RJ45 connector
- USB: Five USB 2.0 ports (two front, two rear, one internal)
- Expansion slots: Six internal MD2 low-profile PCI Express slots (1x 16-lane, 4x 8-lane, 1x 4-lane)

Software

Operating systems

- Solaris 10 Operating System
- Red Hat Enterprise Linux 4
- Red Hat Enterprise Linux 5
- SUSE Linux Enterprise Server 10 (64-bit)
- VMware ESX 3.0.2 (dual-core only)
- Windows 2003 Standard and Enterprise versions (32-bit and 64-bit)¹



¹ Supported editions include Windows Server 2003 SP1, R2, SP2, R2 with SP2.

Languages

- 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)
- Integrated Lights Out Manager (ILOM) with dedicated 10/100 Base-T Ethernet port

Environment

AC power

- 100–120 V/200–240 V AC (50/60 Hz)

Operating temperature/humidity (single nonrack system)

- 5° C to 35° C (41° F to 95° F), 10–90% relative humidity, noncondensing

Nonoperating temperature/humidity (single, nonrack system)

- -40° C to 65° C (-40° F to 149° F), up to 93% relative humidity, noncondensing

Operating altitude (single nonrack system)

- Up to 3,000m, maximum ambient temperature is derated by 1° C per 300m above 900m

Nonoperating altitude (single nonrack system)

- Up to 12,000m

Acoustic noise (single nonrack system)

- LwAd: At max. ambient, 6.8 B
- LpAm bystander: At max. ambient, 53 dB

Optional

- 19-in. rackmount kit
- Cable management arm
- Toolless rackmount slide rail kit

Learn More

For more information on the Sun Fire X4240 server, go to: sun.com/x4240.

Try risk-free for 60 days:
Apply for a free trial at sun.com/tryandbuy.

Power

- Dual-redundant, hot-swappable power supply
- UL maximum input power: ~ 12 A RMS at 100 V AC
- Power supply output rating: 1,050 W

Regulations (meets or exceeds)

- 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: EN55024, EN300-386

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	88mm (3.49 in.)
Width	426mm (16.75 in.)
Depth	714mm (28.125 in.)
Weight	20.65 kg (45.52 lbs.) min. 25.75 kg (56.77 lbs.) max.

Warranty

- Three years, next business day