

## The 1RU Server with More of Everything

**Get It**

Apply for a 60-day Trial of a Sun Fire X4150 Server



Overview

Features

**Tech Specs**

Perspectives

Support

Get It

### Specifications

Looking for a compact way to boost speed throughout the datacenter and across a wide range of applications? You can't find a better 1RU, two-socket server than this one. It gives you the widest range of options to support dual-core or quad-core processing with more expandability across memory, storage, and I/O. And that helps you optimize the throughput and power consumption of each rack unit specifically for the need, but keep your growth options wide open.

### Key Specifications

- 1-2 Dual-Core or Quad-Core Intel Xeon processors
- Max 64GB of addressable memory through 16 available memory DIMM slots
- 2 independent Front Side Buses (FSB) operating at 1066 MT/s or 1333 MT/s
- 8 internal disk drives, 4 GbE ports on-board, 3 PCI-Express slots, 5 USB 2.0 ports
- Embedded Lights Out Manager

### Details

- Processor Options
- Standard/Integrated Interfaces
- Mass Storage and Media
- Software
- Power Supply
- Environment
- Acoustic Noise Emissions
- Regulations
- Dimensions and Weight

#### Processor Options

##### Processor

One or two Intel Xeon Processors:  
 Dual-Core Intel Xeon 5160 (4MB L2, 3 GHz, 1333 MHz FSB, 80W)  
 Quad-Core Intel Xeon L5335 (2x4MB L2, 2.0 GHz, 1333 MHz FSB, 50W)  
 Quad-Core Intel Xeon E5410 (2x6MB L2, 2.33 GHz, 1333 MHz FSB, 80W)  
 Quad-Core Intel Xeon E5440 (2x6MB L2, 2.83 GHz, 1333 MHz FSB, 80W)  
 Quad-Core Intel Xeon X5460 (2x6MB L2, 3.16 GHz, 1333 MHz FSB, 120W)

##### Main Memory

16 DIMM slots total for PC2-5300 667 MHz ECC Fully Buffered DDR2 DIMMs  
 System configurations from 2 GB (2x1GB) to 64 GB (16x4GB) of memory

#### Standard/Integrated Interfaces

##### Network

Four 10/100/1000Base-T Ethernet ports

##### Network management

One dedicated 10/100Base-T Ethernet port

##### Serial

One TIA/EIA-232-F asynchronous RJ45 Port

##### SAS

Eight channel SAS interfaces for internal or external drives with add-on SAS Host Bus Adapter

##### USB

Two USB 2.0 ports (Front), Two USB 2.0 ports (Rear), One USB 2.0 port (Internal)

##### Expansion bus

Three internal Low Profile 8-lane PCI-Express slots (all with x16 mechanical connector)

#### Mass Storage and Media

##### Hot-swappable, 2.5" Internal disks

Up to eight SAS disk drives with add-on SAS Host Bus Adapter, Or up to six SATA disk drives (offering in CY2008)

##### Removable Media

One EIDE DVD+/-RW drive

#### Software

<b>Operating environment</b>	Solaris, Linux, Windows and VMware <a href="#">Click here to see complete details</a>
<b>Sun Java Enterprise System</b>	Solaris 10 on X64 Operating System Standard Linux distributions
<b>Languages</b>	C/C++, FORTRAN, Java programming language, all other standard Sun-supported languages
<b>Networking Software</b>	ONC, ONC+, NFS, WebNFS, TCP/IP, SunLink, OSI, MHS, IPX/SPX, SMB technologies, and XML
<b>Management</b>	Local and remote KVM, remote media (DVD, CD, floppy, USB) capability, browser GUI, DMTF style CLI, IPMI, SNMP
<b>Power Supply</b>	
	Dual redundant, hot-swappable power supply
<b>UL Maximum (AC Input)</b>	8.2 Amps RMS at 100 VAC
<b>Power Supply Rating (DC output)</b>	650 W
<b>Environment</b>	
<b>AC power</b>	90–264 V AC (47–63 Hz)
<b>Operating temperature/humidity (single, non-rack system)</b>	5 °C to 35 °C (41 °F to 95 °F), 10% to 90% relative humidity, non-condensing
<b>Nonoperating temperature/humidity (single, non-rack system)</b>	-40 °C to 70 °C (-40 °F to 158 °F), up to 93% relative humidity, non-condensing
<b>Altitude (operating) (single, non-rack system)</b>	Up to 3048 m, maximum ambient temperature is derated by 1 degree C per 300 m above 900 m
<b>Altitude (nonoperating) (single, non-rack system)</b>	15kPa
<b>Acoustic Noise Emissions</b>	
	Declared noise emissions in accordance with ISO 9296, A-weighted, operating and idling:
<b>LwAd (1B = 10dB) at max ambient</b>	7.7 B
<b>LpAm bystander at max ambient</b>	65.8 dB
<b>Regulations</b>	
	Meets or exceeds the following requirements:
<b>Safety</b>	IEC 60950, UL/CSA 60950, EN60950, CB Scheme with all country differences
<b>RFI/EMI</b>	FCC CFR 47 Part 15 Class A, EN 55022 Class A, EN 61000-3-2, EN 61000-3-3, EN 300-386
<b>Immunity</b>	EN55024, EN300-386
<b>Certifications Safety EMC</b>	UL/cUL, UL DEMKO, CE, BSMI, CCC, GOST-R, S-Mark 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**

44 mm (1.73 in.)

**Width**

425.5 mm (16.75 in.)

**Depth**

711.2 mm ( 28 in.)

**Weight**

18.4 kg (40.66 lb.) maximum assuming PCI-Express card weighs 0.12 kg (0.25 lb) each and without rack mounting slide rail kit