

# SUN FIRE X2270 M2 SERVER



*Delivering excellent performance and power efficiency in a 1RU (rack unit) enclosure, Oracle's Sun Fire X2270 M2 server is the most effective path to cloud and technical computing. Based on the Intel Xeon Processor 5600 Series, this server provides maximum performance in a dense space and power envelope.*



## FEATURES

- Compact 1RU entry level server
- Powered by Intel Xeon Processor 5600 Series
- Supports up to 12 DIMMs, with maximum memory of 96 GB
- Up to four 3.5" disk drive bays for HDDs or SSDs
- Supports a wide range of enterprise class server operating systems

## BENEFITS

- Architected for performance-intensive technical computing applications
- Rack optimized for customers requiring multiple servers for high availability
- Consistent System manageability with Oracle ILOM included in every system

**The Sun Fire X2270 M2 server is the most effective path to cloud and technical computing**

## Product Overview

The Sun Fire X2270 M2 server takes full advantage of the outstanding performance and energy management features in the Intel Xeon Processor 5600 Series. Each system offers a flash storage option to boost application acceleration. Solid State Drives (SSDs) delivers the I/O performance of up to one hundred 15k RPM Hard Disk Drives (HDDs) while consuming up to 80% less energy. System management is simplified with Oracle Integrated Lights Out Manager (ILOM) that comes standard in every Sun Fire X2270 M2 servers. ILOM centralizes system management locally or remotely to ease system configuration, software provisioning and updates providing a consistent interface across the entire x86 product line.

**Sun Fire X2270 M2 Server Specifications**

<b>Architecture</b>	
Processor	<ul style="list-style-type: none"> <li>One or two Intel Xeon Processor 5600 Series</li> </ul>
Cache	<ul style="list-style-type: none"> <li>Level 1: 32 KB instruction and 32 KB</li> <li>Level 2: 256 KB unified (data and instruction)</li> <li>Level 3: 12 MB shared inclusive cache</li> </ul>
Main Memory	<ul style="list-style-type: none"> <li>12 DDR3 DIMM slots (six DIMM slots per CPU socket):</li> <li>Low Voltage DIMMs supported, 4 GB or 8 GB at 1,333 MHz;</li> <li>Maximum memory capacity 96 GB (requires both CPU's be populated)</li> </ul>
<b>Interfaces</b>	
Standard I/O	<ul style="list-style-type: none"> <li>Two 10/100/1000Base-T Ethernet ports (onboard)</li> <li>One PCIe 2.0 slot— x16 electrical/x16 mechanical (low profile)</li> <li>Five 2.0 USB ports (two front, two rear, one internal)</li> </ul>
Storage	<ul style="list-style-type: none"> <li>Four 3.5" SATA-2 front accessible, hot swappable, disk bays</li> <li>All bays can be populated with either HDDs or SSDs</li> </ul>
Graphics	<ul style="list-style-type: none"> <li>VGA 2D graphics controller embedded</li> <li>Supports resolutions up to 1600x1200x16bits@60Hz(1024x768 when viewed remotely via ILOM RKVMS)</li> <li>Rear HD15 VGA Port</li> </ul>
Remote Management	<p>Oracle Integrated Lights Out Manager (ILOM)</p> <ul style="list-style-type: none"> <li>One dedicated 10/100Base-T Ethernet management port</li> <li>In-Band, Out-of-Band and Side-Band Network Management access via any one of the two main Ethernet ports of the server</li> <li>One RJ-45 serial management port</li> </ul> <p>Features and facilities</p> <ul style="list-style-type: none"> <li>DMTF-style Command-Line Interface</li> <li>Support for access via SSH 2.0, HTTPS, RADIUS, LDAP, and Microsoft Active Directory</li> <li>Browser-based GUI for control of the system through a graphical interface</li> <li>IPMI 2.0; SNMP v1, v2c, and v3</li> <li>Remote management with full keyboard, video, mouse, and storage (KVMS) redirection and remote media capability (floppy, DVD, CD, and more)</li> <li>Monitor and report system and component status on all FRUs</li> </ul>

Software
Operating Systems
<ul style="list-style-type: none"> <li>• Oracle Linux</li> <li>• Oracle Solaris (Pre-Installed)</li> <li>• Red Hat Enterprise Linux</li> <li>• SuSE Linux Enterprise Server</li> <li>• Microsoft Windows Server</li> <li>• For more information on software go to:  <a href="http://wikis.sun.com/display/SystemsComm/Sun+Fire+X2270+M2+Server">http://wikis.sun.com/display/SystemsComm/Sun+Fire+X2270+M2+Server</a> </li> </ul>
Virtualization
<ul style="list-style-type: none"> <li>• Oracle VM</li> <li>• VMware</li> </ul>
Environment
<ul style="list-style-type: none"> <li>• Operating temperature: 5°C to 35°C (41°F to 95°F)</li> <li>• Non-operating temperature: -40°C to 70°C (-40°F to 158°F)</li> <li>• Operating relative humidity: 10%–90%, non-condensing</li> <li>• Non-operating relative humidity: Up to 93%, non-condensing</li> <li>• Operating altitude: Up to 3,000 m, maximum ambient temperature is decreased by 1°C per 300 m above 900 m</li> <li>• Non-operating altitude: Up to 12,000 m</li> <li>• Acoustic noise: 7.6 B operating, 7.6 B idling; 63.1 dBA operating, 60.5 dBA idling</li> </ul>
Power
<ul style="list-style-type: none"> <li>• One non-redundant power supply</li> <li>• Maximum output power: 600 W</li> </ul>

Regulations
<ul style="list-style-type: none"> <li>• Safety: IEC 60950-1, UL/CSA 60950-1, EN 60950-1, CB Scheme with all country differences</li> <li>• RFI/EMI: FCC CFR 47 Part 15 Class A, EN 55022 Class A, EN 61000-3-2, EN 61000-3-3, EN 300 386</li> <li>• Immunity: EN 55024, EN 300 386</li> </ul>
Certifications
<ul style="list-style-type: none"> <li>• Safety: UL/cUL, CE, BSMI, GOST-R, S-Mark, CSA C22.2 No. 60950-03</li> <li>• EMC: CE, FCC, VCCI, ICES, C-Tick, MIC, GOSTR, BSMI Class A</li> <li>• Other: Complies with WEEE Directive (2002/96/EC) and RoHS Directive (2002/95/EC)</li> </ul>
Dimensions and Weight
<ul style="list-style-type: none"> <li>• Height: 43.43 mm (1.71 in.)</li> <li>• Width: 436 mm (17.2 in.)</li> <li>• Depth: 650 mm (25.6 in.)</li> <li>• Weight: 13.9 kg (30.61 lb.)</li> </ul>
Mounting Option
<ul style="list-style-type: none"> <li>• Rackmounting slide rail kit</li> <li>• Toolless rackmounting slide rail kit</li> <li>• Cable management arm</li> </ul>

**RELATED PRODUCTS AND SERVICES**

The Sun Fire X2270 M2 server is the ideal system for cloud and technical computing infrastructures.

**RELATED PRODUCTS**

- Sun Fire X4170 M2 server
- Sun Fire X4270 M2 Server

**RELATED SERVICES**

The following services are available from Oracle

Support Services:

- Support, installation
- Eco-optimization services

**Warranty**

The Sun Fire X2270 M2 server comes with a one-year warranty. For more information visit [oracle.com/sun/warranty](http://oracle.com/sun/warranty) for Oracle's global warranty support.

**Services**

Visit [oracle.com/sun/services](http://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 X2270 M2 Server please visit [oracle.com](http://oracle.com) or call +1.800.ORACLE1 to speak to an Oracle representative.



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