

# SUN NETRA X4250 SERVER

## KEY FEATURES

### CUTTING-EDGE PERFORMANCE AND EXPANDABILITY IN A COMPACT, 2 RU CARRIER-GRADE PACKAGE

- Space- and energy-efficient two-socket, 20-inch-deep, rack-optimized 2RU design
- Telcordia Network Equipment Building Standard (NEBS) Level 3 certification and ETSI compliance
- Simplified state-of-the-art maintenance with Integrated Lights Out Manager
- Exceptional expandability and I/O performance with six PCI slots, four Ethernet interfaces, and support for 16 memory slots
- Reliable operation in severe environmental conditions
- Enhanced system uptime supported by redundant AC or DC power supplies and hot-pluggable disk drives
- Operating system choice: Sun Solaris OS, Linux, VMware, or Windows
- Optional professional services, training, and integration support

*Oracle's Sun Netra X4250 server is a two-socket, carrier-grade x64 server that's ideal for next-generation networks. Its compact 2RU design is powered by Intel Xeon processors—high performance, low power—and it's easy to maintain and scale up to meet your needs as your business grows.*



**The Sun Netra X4250 server can scale to meet your organization's needs, providing the same high performance in even the toughest environments.**

### Small Footprint, Big Performance

Based on the Intel Xeon processor, the carrier-grade Sun Netra X4250 server combines cutting-edge performance with the ruggedness and reliability of the Sun Netra server family. The energy-efficient system can expand up to an eight-way configuration, all in a compact, 20 inch-deep, 2RU footprint.

The Sun Netra X4250 server offers you a choice of operating systems. In addition to supporting Oracle's Sun Solaris OS, the server supports Linux, VMware, and Windows operating systems, giving you flexibility, efficiency, and investment protection. The system also offers 16 memory slots, four internal disk drives, and six PCI slots—two PCI-X and four PCI Express (PCIe)—and integrates four GbE ports to provide connectivity for high-speed, high-bandwidth networking. The system's uptime is enhanced by redundant hot-swappable AC/DC power supplies and hot-pluggable hard disk drives.

In addition, the Sun Netra X4250 server comes with ILOM, which enables simple remote monitoring and management from anywhere on the network. As with other Sun Netra servers, the Sun Netra X4250 server is NEBS Level 3 certified and ETSI compliant—making it ideal for the most demanding applications in the toughest environments.

Oracle offers a suite of services to optimize your Sun Netra X4250 server implementation. These support services focus on delivering proven expertise and responsive, consistent service quality to help you achieve high availability within your network infrastructures. Visit [oracle.com/sun/services](http://oracle.com/sun/services) for information on Oracle's service program offerings for Sun products.

**Sun Netra X4250 Server Specifications**

<b>Processor</b>
Intel Xeon processor L5408
<b>Main Memory</b>
<ul style="list-style-type: none"> <li>• 16 DIMM slots</li> <li>• Support for PC2-5300 667 MHz ECC fully buffered DDR2 DIMMs</li> <li>• Support for up to 64 GB memory</li> </ul>
<b>System Architecture</b>
<ul style="list-style-type: none"> <li>• Based on two-socket Intel Xeon processor architecture (eight cores total)</li> </ul>
<b>Standard Integration Interfaces</b>
Network
Four 10/100/1000 Mbps Ethernet
Network Management
One 10/100 Mbps Ethernet port
Serial Management
One TIA/EIA-232-F asynchronous RJ-45 port
USB
Two 2.0 USB ports (rear)
Expansion Bus
<ul style="list-style-type: none"> <li>• Three PCIe slots for MD2 low-profile cards—two x4 electrical/x8 mechanical; one x8 electrical/ x8 mechanical—one of these slots is used for the internal SAS host bus adapter (HBA)</li> <li>• One PCIe slot for full-height, full-length cards (x8 electrical, x16 mechanical)</li> <li>• Two PCI-X slots for full-height cards (x1 full-length, x1 half-length)—64-bit, 133 MHz</li> </ul>
Video
One VGA video port (HD-15)
Alarms
Four fail-safe, dry contact alarms—critical, major, minor, and user—DB-15
<b>Mass Storage and Media</b>
Internal Disk Option
Up to four SAS disks with no DVD-R/W, or up to two SAS disks with DVD-R/W
Optional RAID Levels
0, 1, 1E, 5, 5EE, 6, 10, 50, 60
<b>Software</b>
Operating Systems
<ul style="list-style-type: none"> <li>• Solaris OS—beginning with the Solaris 10 OS 8/07</li> <li>• Red Hat Enterprise Linux</li> <li>• SUSE Linux Enterprise Server</li> <li>• VMware ESX Server</li> <li>• Windows Server 2003</li> <li>• Windows Server 2008</li> </ul>

Remote Management
Management
<p>ILOM providing</p> <ul style="list-style-type: none"> <li>• DMTF CLP-based CLI over SSH</li> <li>• Web-based GUI over HTTPS</li> <li>• IPMI 2.0, SNMP v1, v2c, and v3, remote graphical access (remote KVM) over Ethernet and remote storage over Ethernet</li> </ul>
Power Supplies
<ul style="list-style-type: none"> <li>• Two 1+1 redundant DC or AC hot-swappable power supplies</li> <li>• Maximum power supply rating of 650 W</li> </ul>
Environment
<ul style="list-style-type: none"> <li>• DC Power: -48 V DC or -60 V DC</li> <li>• AC Power: 100–240 V AC, 50–60 Hz</li> <li>• Operating Temperature: 5°C to 40°C (41°F to 104°F), short-term -5°C to 55°C (23°F to 131°F)</li> <li>• Operating Relative Humidity: 5% to 85%, noncondensing</li> <li>• Short-Term Relative Humidity: 5% to 90%, noncondensing, but not to exceed 0.024 kg water/kg dry air (0.053 lb. water/2.205 lbs. dry air)</li> <li>• Operating Altitude: Up to 3,000 m (9,850 ft.) at 40°C</li> <li>• Nonoperating Temperature: -40°C to 70°C (-40°F to 158°F)</li> <li>• Nonoperating Relative Humidity: Up to 93%, noncondensing, 40°C (104°F)</li> <li>• Nonoperating Altitude: Up to 12,000 m (40,000 ft.)</li> <li>• Acoustic Noise: Operating/idling 7.3 B (LwAd: 1 B = 10 dB)</li> <li>• ETSI: EN 300019-2-1, 2, 3, Class 1.2, 2.3, 3.1E (except condensing humidity and rain)</li> <li>• NEBS: NEBS Level 3 certified by Telcordia</li> <li>• Seismic: GR-63-CORE requirements for Earthquake Zone 4</li> </ul>
Dimensions and Weight
<ul style="list-style-type: none"> <li>• Height: 87.1 mm (3.43 in.)</li> <li>• Width: 445 mm (17.52 in.) including bezel</li> <li>• Depth: 526 mm (20.71 in.) max., to PSU handles</li> <li>• Depth: 501 mm (19.72 in.) max., to rear I/O</li> <li>• Weight: 17.5 kg (38.5 lb.) fully configured without PCI cards</li> </ul>
Regulations
<ul style="list-style-type: none"> <li>• Safety: UL/CSA 60950-1, EN 60950-1, IEC 60950-1 CB Scheme with all national differences, IEC 825-1, 2, and CFR 21 Part 1040</li> <li>• RFI/EMC: EN 55022/CISPR 22 Class A, FCC CFR 47 Part 15 Class A</li> <li>• Immunity: EN 55024/CISPR 24, EN 61000-3-2, EN 61000-3-3</li> <li>• Telecommunications: EN 300 386</li> <li>• Regulatory markings: CE, FCC, ICES-003, C-Tick, VCCI, GOST-R, MIC, UL/cUL, S-Mark, BSMI, CCC</li> <li>• Other: Restriction of Hazardous Substances (RoHS) labeled, per WEEE (Waste Electrical and Electronics Equipment) Directive (2002/95/EC)</li> </ul>

### Warranty

Visit [oracle.com/sun/warranty](http://oracle.com/sun/warranty) for Oracle's global warranty support information on Sun products.

### Contact Us

For more information about Oracle's Sun Netra X4250 server, please visit [oracle.com/sun](http://oracle.com/sun) or call +1.800.786.0404 to speak to an Oracle representative.



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