

# SUN NETRA CP3270 ATCA BLADE SERVER



HIGHEST PERFORMING  
NETRA X86 ATCA BLADE

## FEATURES

- Intel Xeon processor LC5500 series quad-core, two-socket, single slot blade server
- NEBS Level 3 certification and ETSI compliance in the Sun Netra CT900 ATCA Server
- 8 memory DIMM slots
- 1 AMC and 1 ARTM
- Redundant 10GbE, GbE, and IMPI interfaces
- PICMG 3.0 & 3.1 Compliant
- Broad choice of supported Operating Systems: Oracle Solaris, Oracle Linux, Oracle VM, Red Hat Enterprise Linux, SuSE Linux Enterprise Server, Microsoft Windows Server

## BENEFITS

- Industry standard ATCA blade implementation
- Compatible RTM allows easy upgrade from previous generation Netra x86 10GbE blades
- Scaled up performance over the previous generation x86 ATCA blade server
- Cost efficiencies with reduced overall system power and cooling demands
- Reliable operation in severe environmental conditions
- High reliability with an enhanced system uptime
- Simplified management with monitoring and management from anywhere on the network

*Oracle's Sun Netra CP3270 ATCA blade server is an Intel processor-based carrier-grade ATCA blade designed for network infrastructure and military vessels applications. It maintains the single slot, I/O and power profile of the previous generation Intel-based blade while doubling the processor threads and scaling up the performance. This scalable and easy to manage ATCA blade is designed to meet the increasing requirements of infrastructure networks for more performance and memory while maintaining a low power and thermal footprint.*



**Sun Netra CP3270 doubles the performance while maintaining the power profile of the previous generation Netra Intel-based ATCA blade server.**

## Product Overview

Based on the Intel Xeon processor LC5500 series with Hyper-Threading and Turbo Boost Technologies, the carrier-grade, NEBS Level 3 certified, ETSI compliant and PICMG Compliant Sun Netra CP3270 ATCA blade server combines cutting-edge performance with the ruggedness and reliability of the Sun Netra server family. The system supports 8 CPU cores and doubles the number of compute threads when compared with the previous generation Sun Netra CP3250 ATCA blade server.

This blade server offers I/O compatibility and power and thermal similarities with the previous generation blade, making upgrades a very simple procedure. The Sun Netra CP3270 ATCA blade server offers an AMC and ARTM for I/O expansion, a CompactFlash slot to increase user flash support, and 8 DIMM sockets for large memory applications. AMC and ARTM I/O slots enjoy broad 3<sup>rd</sup> party support for a variety of I/O cards.

The Sun Netra CP3270 is compliant with PICMG 3.0 for management, dimensions and electrical requirements, and with PICMG 3.1 Option 9 for user data.

### Sun Netra CP3270 ATCA Blade Server Specifications

<b>Processor Options</b>
<ul style="list-style-type: none"> <li>Intel Xeon processor LC5518 LV 1.73GHz (eight cores, 16 threads, two sockets)</li> </ul>
<b>Memory</b>
<ul style="list-style-type: none"> <li>Maximum eight DIMM DDR3 memory sockets, up to 32 GB</li> <li>CF-2 slot for high-capacity Flash</li> </ul>
<b>Cache</b>
<ul style="list-style-type: none"> <li>8 MB L2</li> </ul>
<b>Chip Set</b>
<ul style="list-style-type: none"> <li>Integrated NorthBridge</li> </ul>
<b>I/O Expansion</b>
<ul style="list-style-type: none"> <li>1x AMC</li> <li>1x AdvancedRTM</li> </ul>
<b>Networking</b>
<ul style="list-style-type: none"> <li>Two GbE channels for base fabric; two 10 GbE channels for extended fabric; two RS-232 serial ports routed to the front and rear</li> <li>Two USB ports</li> </ul>
<b>Operating Systems</b>
<ul style="list-style-type: none"> <li>Oracle Solaris</li> <li>Oracle Linux</li> <li>Oracle VM</li> <li>Red Hat Enterprise Linux</li> <li>SuSE Linux Enterprise Server</li> <li>Microsoft Windows Server</li> </ul>
<b>AdvancedRTMs</b>
<ul style="list-style-type: none"> <li>XCP32x0-RTMHD2300D Dual 300 GB SAS drives, 1 GbE, one serial</li> <li>XCP32x0-RTM-FC-Z Dual 4 Gb/sec FC HBA, 7 GbE, one serial</li> <li>XCP32x0-RTM-NT-Z Dual 10 GbE, 3 GbE, one serial</li> </ul>
<b>AMC</b>
<ul style="list-style-type: none"> <li>XCP3000-AMC-300GB</li> <li>SG-XPCIE2FC-ATCA-Z</li> </ul>
<b>Management Software</b>
<ul style="list-style-type: none"> <li>Sun Netra ATCA System Management</li> </ul>
<b>PICMG Compliance</b>
<p>The Sun Netra CP3270 ATCA blade server is compliant with PICMG 3.0 R2 and PICMG 3.1 Option 9 and can be plugged into any of the user node slots of the Sun Netra CT900 ATCA blade server—or any ATCA/PICMG 3.0- and 3.1-compliant chassis</p>

<b>Dimensions</b>
<ul style="list-style-type: none"> <li>Form factor: Single-slot ATCA (PICMG 3.0)</li> <li>Height: 322.25 mm (12.69 in.) 8RU</li> <li>Depth: 280 mm (11.02 in.)</li> <li>Width: 30 mm (1.18 in.)</li> </ul>
<b>Environment</b>

**RELATED PRODUCTS AND SERVICES**

Based on Intel's low power Xeon processor, the Sun Netra CP3270 ATCA blade server doubles the performance while maintaining the same energy footprint of the previous generation blade.

**RELATED PRODUCTS**

Sun Netra CP3250 ATCA blade server is the previous generation Intel processor-based server. Both the Sun Netra CP3270 and CP3250 ATCA blade servers can be matched with other ATCA blades in the Sun Netra CT900 chassis.

**RELATED SERVICES**

The following services are available from Oracle Support Services:

- Installation
- Maintenance

- Operating temperature: 5°C to 40°C (41°F to 104°F) 5%–85% relative humidity, noncondensing; short term -5°C to 55°C (23°F to 131°F) 5%–90% relative humidity, noncondensing, but not to exceed 0.024 kg water/kg dry air (0.053 lb. water/2.205 lb. dry air)
- Nonoperating temperature: -40°C to 70°C (-40°F to 158°F), up to 93% relative humidity, noncondensing, 38°C (100.4°F) maximum wet bulb
- Cooling: Available upon request
- Seismic: Meets GR-63-CORE requirements for earthquake risk, Zone 4
- Measured power: TBD with no AMC or AdvancedRTM
- Safety and ergonomics: cULus 60950, CSA C22.2 No. 60950, CB Scheme IEC 60950 with all national differences, EN 60950 (CE), GOST-R
- Regulatory compliance: Class A FCC, CE, VCCI, BSMI, C-Tick, MIC, GOST, S-Mark
- Telecom environment certification: Telcordia SR 3580, NEBS Level 3

**Contact Us**

For more information about the Sun Netra CP3270 ATCA blade server, please visit [oracle.com](http://oracle.com) or call +1.800.ORACLE1 to speak to an Oracle representative.



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