

# SUN NETRA CP3220 ATCA BLADE SERVER

## KEY FEATURES

AMD OPTERON PROCESSOR-POWERED ATCA BLADE FOR NEXT-GENERATION COMPUTING

- Single-socket, Dual-Core or Quad-Core AMD Opteron processor
- Choice of Solaris 10 OS x64, Linux, or Windows 2003 Server
- Extreme compute density per shelf and rack
- 10 GbE commodity fabric lowers TCO and speeds time to market
- Support for Oracle's standards-based AdvancedRTMs family for increased HDD density, storage connectivity, and networking
- Integrated software with manageability and high-availability functionality
- Long-term reduction of TCO, enabling low cost per subscriber
- Rich ecosystem of partners
- Industry-standard AdvancedTCA and SAF compliance

*Oracle's Sun Netra CP3220 ATCA blade server—a balanced, next-generation, x64 telecom blade—provides your organization with leading-edge features and performance, including Oracle's innovative 10 Gigabit Ethernet (GbE) networking technology. Offering tremendous flexibility and choice, the server enables you to use Advanced Mezzanine Card (AMC) slots, improve memory density, deploy on 10 GbE, and leverage Oracle's next-generation Advanced Rear Transition Modules (AdvancedRTMs). Compliant to PCI Industrial Computer Manufacturers Group (PICMG) 3.0 R2 and PICMG 3.1 Options 1 and 9, the single-socket Sun Netra CP3220 ATCA blade server offers dual AMC support for I/O expansion and dual- or quad-core processor offerings.*



**The Sun Netra CP3220 ATCA blade server will boost the density of your ATCA data center to take full advantage of next-generation applications.**

### Sun Netra CP3220 ATCA Blade Server Overview

The Sun Netra CP3220 ATCA blade server brings extreme availability and innovation to the data center, with advanced features that include eight sockets for up to 64 GB of high-density memory, 10 GbE, and the inclusion of AMD's Revision F common processor socket—to enable compatibility with upcoming chips. In addition, a large variety of AMC cards are also available from third-party independent hardware vendors, for further flexibility.

The blade 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. It supports the basic PICMG 3.0 system management features, functioning with the same compatibility and availability as other ATCA-compliant blades.

Sun Netra CP3200 AdvancedRTMs support the creation of high-density systems by facilitating easy access to I/O. The rear I/O access enables you to replace the Sun

Netra ATCA node boards without disconnecting cables. Industry-standard connectors and pin assignments ensure ease of use and flexible design. Sun Netra CP3200 AdvancedRTMs support AMC-specified management, AMC-specified hot-swap, and AMC-specified port/lane mapping that includes industry-standard connector and lane-mapping specifications.

### Sun Netra CP3220 ATCA Blade Server Specifications

<b>Processor Options</b>
Single-socket support for Dual-Core or Quad-Core AMD Opteron processors at 2.2 GHz and 1.8 GHz
<b>Memory</b>
Maximum memory: Eight DDR2 memory sockets for 32 GB and eventually 64 GB; dedicated CF-2 slot for high-capacity Flash memory up to 64 GB
<b>Cache</b>
1 MB Level 2 cache, 64 KB I cache, 64 KB D cache
<b>I/O Expansion</b>
<ul style="list-style-type: none"> <li>• Two AMC I/O slots</li> <li>• Sun StorageTek 4 Gb FC AMC HBA</li> <li>• Maximum internal disk drives: Dual SAS on rear RTM with support for two hot-swappable 146 GB hard disk drives (HDDs) as well as SAS HDD support through dual AMC sites</li> </ul>
<b>Networking</b>
Two GbE channels: Two channels for base fabric; two 10 GbE channels for extended fabric; two RS-232 serial ports routed to the front and rear; 10 Gb/sec XAUI Ethernet, eight lanes PCI Express
<b>Operating Systems</b>
<ul style="list-style-type: none"> <li>• Oracle's Solaris 10 Operating System x64</li> <li>• Linux</li> <li>• Microsoft Windows 2003 Server</li> </ul>
<b>System</b>
Advanced Rear Transition Modules
<ul style="list-style-type: none"> <li>• XCP32x0-RTM-HD2-Z; Dual 146 GB SAS drives, two-SAS egress, 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>Management Software</b>
Sun Netra ATCA System Management
<b>High-Availability Software</b>
Sun Netra High Availability Suite 3.0 and a variety of third-party high-availability offerings from the industry's top independent software vendors
<b>PICMG Compliance</b>
The Sun Netra CP3220 ATCA blade server is compliant with PICMG 3.0 R2 and PICMG 3.1 Options 1 and 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.

Dimensions	
Single-Slot ATCA (PICMG 3.0)	
<ul style="list-style-type: none"> <li>• Height: 322.25 mm (12.69 in.) 8U</li> <li>• Depth: 280 mm (11.02 in.)</li> <li>• Width: 30 mm (1.18 in.)</li> </ul>	
Environment	
Operating temperature	5°C to 40°C (41°F to 104°F) 5% to 85% relative humidity, noncondensing; short-term – 5°C to 55°C (23°F to 131°F) 5% to 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) max wet bulb
Cooling	Available upon request
Seismic	Meets GR-63-CORE requirements for earthquake risk, Zone 4
Measured power	150 watt with no AMC or AdvancedRTM
Safety and Ergonomics	
<ul style="list-style-type: none"> <li>• cULus 60950, CSA C22.2 No. 60950, CB Scheme IEC 60950 with all national differences, EN 60950 (CE), GOST-R</li> <li>• Regulatory compliance: Class A FCC, CE, VCCI, BSMI, C-Tick, MIC, GOST, S-Mark</li> <li>• Telecom environment certification: Telcordia SR 3580, NEBS Level 3</li> </ul>	

### Warranty

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

### 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 Netra CP3220 ATCA blade 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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