

Sun Microsystems, Inc.

4150 Network Circle • Santa Clara, CA 95054
 1-800-555-9SUN
<http://sun.com/wimax>

**Sun Unified Network Platform (SUN-P) Architecture for the WiMAX ASN Gateway**

The buildout of today's 4G networks such as WiMAX requires a dramatic increase in computational resources to adequately deliver flexible telecommunications services to mobile subscribers. Yet business conditions also necessitate that new markets are approached incrementally. The challenge for telecom carriers is to reduce the cost of serving the first subscriber in small or cost-sensitive markets. The Sun Unified Network Platform (SUN-P) Architecture for the WiMAX ASN Gateway offers a radically consolidated, scalable core network architecture based on a new generation of multicore/multithreaded processors. It provides a new approach to building the core network infrastructure, enabling telecom carriers to significantly reduce the cost to serve the first subscriber while providing massive scalability for network expansion. Telecom carriers can benefit from greater business flexibility as well as increased return on investment.

Customer Benefits

- Breakthrough economics based on virtualization technologies and Chip Multi-Threading (CMT) using next-generation UltraSPARC® T2 processors.
- Dramatic reduction in the cost to serve the first subscriber by consolidating both the Control Plane and Data Plane functions onto a single Sun Netra carrier grade rack or AdvancedTCA blade server. Check out the Sun WiMAX ROI tool here: <http://sun.com/wimax>
- Faster time to market due to greatly simplified application development in an open architecture with standardized interfaces and COTS solutions.
- Massive scalability by simply adding more processor threads or servers to increase throughput to levels that can exceed the capacity of proprietary-based solutions.

**Sun and Partner WiMAX Offerings**

- Based on the UltraSPARC T2-powered Sun Netra CP3260 ATCA blade server which runs on the Sun Netra CT900
- Sun Netra Data Plane Suite offers a complete carrier-grade packet processing solution
- ASNLite Gateway solution from Aricent delivers broad functionality for Control and Data Plane requirements
- SelfReliant Advanced Suite from GoAhead for managing application availability
- Carrier-grade policy management solutions for mixed-network deployment from Bridgewater Systems
- Web NMS carrier-grade network management solution from AdventNet

For more information check out <http://www.sun.com/servers/netra/wimax/offerings.jsp>