

Accelerate Rural/Tier 2/Enterprise WiMAX network deployment with Aricent's ASN Gateway Solution



Aricent eASN supports up to 300,000 simultaneous subscribers on a generic COTS platform

DEVELOPING ASN GATEWAY FOR RURAL, TIER 2 AND ENTERPRISE MARKETS IS CHALLENGING

With WiMAX gaining popularity in Rural/Tier 2 and Enterprise networks, OEMs and SIs are looking for ASN Gateway solutions that:

- > Complement their existing Base Station (BS) or CSN offerings to provide a complete end-to-end solution
- > De-risk any interoperability issues arising due to difference in standards interpretation
- > Deliver a time to market advantage on their investment

ARICENT'S EASN SOLUTION

Aricent's eASN solution offers a complete Profile C Software ASN Gateway, including control, data, and management plane functionality. This WiMAX mobility platform can scale to support 100-300,000 simultaneous attached (active + idle) subscribers on an enterprise-class COTS platform (RMS, ATCA, uTCA) and

offers competitive data performance. The solution supports 300K pps data throughput per blade/server (scalable to 1500K pps on a multi-blade ATCA system) and offers R4, R6, R3b/R3c (Mobility, AAA) interfaces compliant with the latest NWG R1.2 and R1.5 specifications.

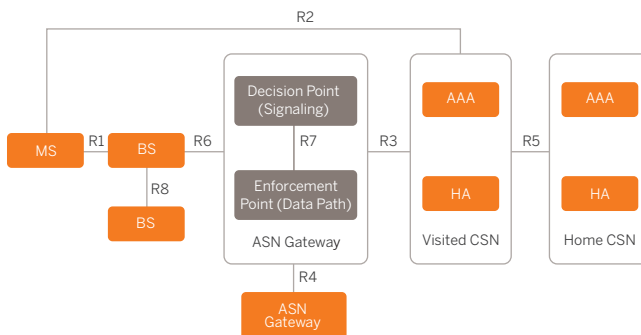
ARICENT EASN KEY BENEFITS

- > **Innovative Implementation:** Aricent's eASN is the first product in the market to deliver features as per NWG R1.5 specifications (such as IPv6 [PMIPv6], Simple IP, Data Integrity, MCBCS, etc).
- > **Unmatched IOT Credentials:** Aricent's products have been through extensive testing and provide unmatched interoperability with equipment from multiple manufacturers.
- > **Accelerate time to market:** Equipment manufacturers can reduce their time to market by using this standards-compliant solution that promises low risk with low overheads.

Conforms to the latest standards and has a strong committed product roadmap

Unmatched interoperability on R3 and R6 interfaces

Highest performance-to-price ratio with a "pay as you use" model



Aricent eASN in the WiMAX Network

CHALLENGES

OEMs and System Integrators (SI) focused on Enterprise, Rural, and Tier 2/3 solution markets need an economically viable ASN Gateway solution with carrier grade features.

SOLUTION

Aricent offers OEMs and SIs a standards-based, white-label-ready ASN Gateway solution with control, data, and management plane features for Rural/Tier 2/Enterprise/Collapsed solution markets.

BENEFITS

Aricent's eASN product can be deployed on any commercial off-the-shelf (COTS)-based platform and can scale to support from 100-300,000 subscribers.

NEXT STEPS

To learn more about Aricent eASN solution, contact your local sales representative. You can also find more information at aricent.com/wimax.

KEY FEATURES

FEATURE	DESCRIPTION
Authentication and Security	Authenticator, Key Distributor including authentication relay protocols, key generation, and key distribution functions
QoS Management	Admission control, all five QoS classes, classification of downlink traffic into service flows, bearer traffic DSCP, and VLAN priority marking
Accounting	Pre- and post-paid accounting, IP session and per flow accounting, tariff switching, volume-based and duration-based accounting
Address Management	Allocation and renewal for both MIP and non-MIP scenarios (DHCP Proxy/Relay/Server functionality)
Paging and Location Update	Secure and topology-aware idle mode paging and location update
Mobility	Intra-ASN, Inter-ASN, CSN-anchored, Macro-Diversity Handover (MDHO), Fast Base Station Switching (FBSS), IP Mobility (PMIP, CMIP, and Simple IP)
Relay Functions	Handover Relay, RRM Relay, Generic Relay
Interface Support	R3, R4, R6
R3 Interface	RADIUS-based AAA client and MIP-based Foreign Agent
Multicast Broadcast Support	MCBCS support (IGMP proxy feature)
Unified Management Interface	CLI, SNMPv3
Data Classification and Switching	Uplink traffic based on GRE tunnel, downlink traffic based on IP classifiers (or GRE), interception of host-directed traffic on uplink (DHCP/MIP/ICMP/IGMP)
Scalability	eASN can scale to support from 60,000 to 300,000 subscribers on a single server/ blade platform to a multiple blade ATCA/uTCA platform
High Availability	Session continuity and Service availability support on ATCA/uTCA platform
Portable Architecture	Portable architecture facilitates deployment on any Linux-based COTS platform (RMS, ATCA, or uTCA)
Flexibility	Per-box licensing based on number of subscribers, base stations, and data throughput is available. Additionally, the product is available in various sizes to serve the needs of all segments (on-premises, micro, macro)
Other Features	IPv6 support (including PMIPv6), convergence sub layer (IPCS, EthCS, IPv4overEthCS), NAP sharing, hot-lining

CONTACT US

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