



*Aricent eASN  
can support  
up to 60,000  
simultaneous  
subscribers*

## Accelerate Enterprise WiMAX Network Deployment with Aricent's ASN Gateway Solution

### Challenges

OEMs and System Integrators (SI) focussed on enterprise and pico-solution markets need an economically viable ASN Gateway solution, which is interoperable with the macro network.

### Solution

Aricent offers OEMs and SIs a standards-based, white label-ready to use ASN Gateway solution with control, data and management plane features for Tier-3/Enterprise/Collapsed solution markets.

### Benefits

Aricent's eASN product can be deployed on any COTS-based platform and can scale to support a large number of subscribers.

- *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*

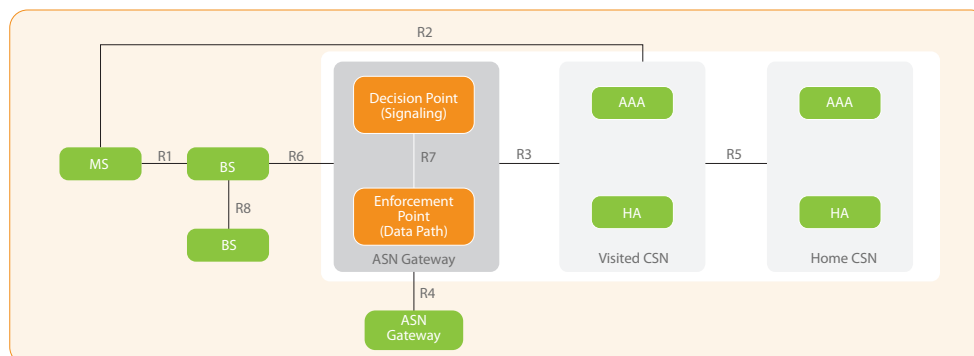
## Developing ASN Gateway for Enterprise and Pico Markets is Challenging

With WiMAX gaining popularity for non-macro network deployments such as Enterprise and Pico offerings, OEMs and SIs need ASN Gateway solutions which:

- 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 low-footprint WiMAX mobility platform can support up to 60,000 simultaneous attached (active + idle) subscribers on an enterprise-class COTS platform and offers competitive data performance. The solution supports 300K pps data throughput and offers R4, R6, R3b/R3c (Mobility, AAA) interfaces compliant with the latest NWG R1.2 specifications. eASN boxes can stack together in a rack to serve a large number of subscribers, and support fixed, nomadic, as well as mobile subscribers.



*Aricent eASN in the WiMAX Network*

## 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
AAA	RADIUS-based AAA client
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
Multicast Support	IGMP proxy for SS/MSS
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 destined traffic on uplink (DHCP/MIP/ICMP/IGMP)
Other Features	IPv6 support (including PMIPv6), convergence sub layer, NAP sharing, management interfaces, hot-lining
Scalability	eASN supports up to 60,000 subscribers and a data throughput of 300K pps
Portable Architecture	The portable architecture facilitates deployment on any Linux-based COTS platform
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 (in-premise, micro, macro)
Other Features	IPv6 support (including PMIPv6), convergence sub layer, NAP sharing, management interfaces, hot-lining

## Aricent eASN Key Benefits

- **Innovative Implementation** – Aricent's eASN is the first product in the market to deliver features such as IPv6 (PMIPv6), Simple IP, Hotlining, Data Integrity, 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 accelerate time-to-market by using this standards compliant solution which promises low risk and overheads.

## Next Steps

To learn more about Aricent Test Lab and Services, contact your sales representative. You can also find more information at: <http://www.aricent.com/Services/TestingAndCertification>.

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