



Aricent's sigASN helps OEMs reduce R&D cost and accelerate time to market by over 50%

Accelerate WiMAX ASN Gateway Development with Aricent's sigASN

Challenges

OEMs and solution providers need to provide high capacity ASN Gateway solutions with low up-front cost in a very short time frame.

Solution

Aricent offers sigASN - a feature-rich, high-capacity and standards-compliant Profile-C ASN Gateway control plane framework with open interfaces specifically designed for OEMs developing macro ASN Gateways or niche ASN solutions.

Benefits

Aricent's sigASN ASN Gateway framework helps OEMs-

- Reduce R&D costs and accelerate time-to-market by over 50%
- Accelerate test cycle times and significantly improve testing effectiveness

Developing ASN Gateway Solutions for Macro Networks is Challenging

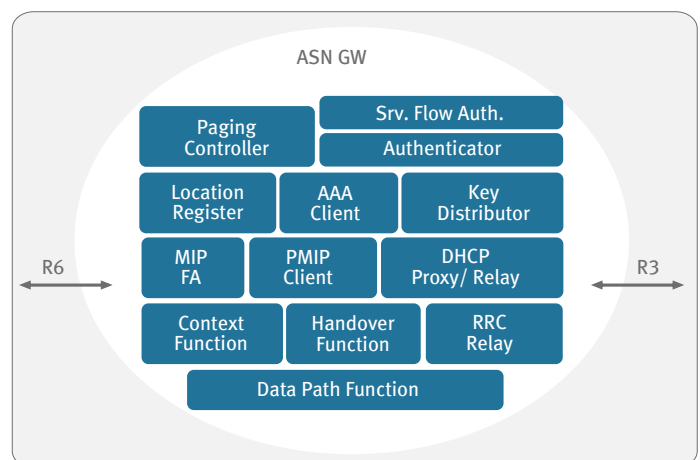
As the market for WiMAX matures rapidly, it is critical for manufacturers of macro ASN Gateway products to:

- Deliver highly scalable solutions capable of supporting high subscriber densities
- De-risk investments by minimizing development costs and interoperability issues
- Gain time-to-market advantage when launching new products

- *Field proven solution deployed in over 100+ sites*
- *Conforms to the latest standards and has a committed product roadmap*
- *Unmatched interoperability on R3 and R6 interfaces*

Aricent's sigASN Solution

Aricent's sigASN is a Profile-C ASN Gateway control plane (source code) framework, compliant with the latest NWG R1.2 specifications and with committed roadmap for R1.3 and R1.5 features. sigASN offers OEMs developing macro ASN Gateways or niche ASN solutions a feature-rich, high-capacity and standards-compliant control plane framework with open interfaces. sigASN can be integrated with the ASN Gateway data plane over network processors and custom hardware to develop a complete ASN Gateway node.



Aricent sigASN Modular Architecture

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
Paging and Location Update	Paging controller, Location register
Mobility	Intra-ASN, Inter-ASN, CSN-anchored, Macro-Diversity Handover (MDHO), Fast Base Station Switching (FBSS)
Relay Functions	Handover Relay, RRM Relay, Generic Relay
Interface Support	R3, R4, R6
Scalability	sigASN can support 100, 000 subscribers over thousands of base stations
Portable Architecture	The portable architecture of Aricent's framework makes porting on any operating system and hardware platform extremely easy
Flexibility	The sigASN solution is flexible enough to support fixed, nomadic as well as mobile subscribers
Other Features	IPv6 support, convergence sub layer, NAP sharing, white-list enforcement (peer BSID IP address mapping), management interfaces

Aricent sigASN Key Benefits

- **Modular Design** – sigASN's modular design ensures ease of integration of new modules (WiMAX/non-WiMAX and Aricent/ third party) in the solution design
- **Accelerate time-to-Market** – Using Aricent's pre-packaged and optimized frameworks, equipment manufacturers can accelerate time-to-market for their end solutions by over 50%
- **Unmatched IOT Credentials** – Aricent's products have been extensively tested in 100+ deployment, and provide unmatched interoperability with equipment from multiple manufacturers

Next Steps

To learn more about Aricent's WiMAX offerings, contact your sales representative. You can also find more information at: <http://www.aricent.com/wimax>.

CORPORATE OFFICE

700 Hansen Way
Palo Alto, CA 94304-1388 USA
Phone +1 650 391 1088
www.aricent.com



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