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ASN Express
WiMAX Access Service Network (ASN) Software

EION ASN Express provides a cost effective solution for fixed, nomadic & mobile WiMAX subscribers in an entreprise network.

PRODUCT FEATURES

- WiMAX Forum NWG Profile C compliant

- Standards-based NWG R3 and R6 interfaces

- Subscriber address allocation and management

- AAA Integration – Radius client support

- QoS and Bandwidth Management Support

- Full Mobility and Handover

- Mobile IP Support with integrated Foreign Agent

- Flexible Management Support and Integration with ProVision NMS

- Administration via through telnet/CLI

OVERVIEW

The Access Service Network (ASN) gateway is the logical entity providing subscriber control, authentication, and provisioning related communication for the control plane and the data plane in a WiMAX network. ASN Express Software contains all of the features in our popular chassis version in a software fromat that can be loaded onto a standard stock PC.

EION's ASN Express implements the control plane of the ASN and coordinates:

- Provisioning of subscribers between the 802.16e base stations and authentication servers

- Management of the datapath, for the subscribers, between the base stations and the Wireless Services Gateway Router (WSG-R)

AAA/ASN EXPRESS ORDERING INFORMATION

Product Name	Product Code
ASN Express License 50 Users	9200-00-00-01
ASN Express License 500 Users	9200-00-05-01
ASN Express License 5000 Users	9200-00-50-01
ASN Express License 10000 Users	9200-00-51-01
AAA Express License 50 Users	9300-00-00-01
AAA Express License 500 Users	9300-00-05-01
AAA Express License 5000 Users	9300-00-50-01
AAA Express License 10000 Users	9300-00-51-01

ASN-CONTROLLER SPECIFICATIONS

Transport Control
Support for IP convergence sub-layer
Encryption Control
Authentication
Radius client support
WiMAX-compliant authenticator functionality including key generation and distribution
Subscriber authentication through single EAP over Internet Key Exchange version 2 (IKEv2)
AAA proxy support
Dynamic Host Control Protocol (DHCP) relay and proxy support
Static and dynamic address management
Dynamic Host Control Protocol (DHCP) Server functionality
Mobility and Handover
Predictive terminal-initiated hard handover
Intra-ASN and Inter-ASN seamless mobility handover
R6 and R3-based mobility as per Profile C ASN Structure
Management
SNMPv2, CLI/SSH, CLI/Serial
ProVision™

ASN EXPRESS SERVER REQUIREMENTS

Server Requirements	
CPU	Minimum: Core 2 Quad Recommended: Core i5/i7 CPU
RAM	4 GB RAM
Disk Space	10 GB
Operating system	Cent OS 6.2 Linux, supplied with CD

EION AAA Express and EION ASN Express can be co-located on the same server.

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