



NewNet WiMAX Access Service Network 2000

Ultimate WiMAX core solution for the next billion human and machine mobile connections

Revenue Generation

Along with generating revenue by delivering full mobile broadband service, the ASN 2000 supports new business models that are now available for operators to pursue new revenue streams. Network and asset sharing offers operators a cost effective way to meet their operating challenges and offers an efficient way for operators to provide service to subscribers.

With the ASN 2000, operators can support wholesale services, thus allowing multiple Internet Service Providers (ISPs) to operate on the same WiMAX network. Each ISP on the network can define a number of different services and enhanced Quality of Service (QoS) features according to individual business models.

Superior User Experience

Mobile users nowadays have a high experience demand from wireless broadband data and high quality multimedia services. As a critical component of any Mobile WiMAX network, the ASN 2000 is situated at the heart of the access network and plays an important role in subscriber management, network optimization, and intelligently managing all subscriber traffic to

Connectivity Service Network (CSN). The ASN 2000 function enables service providers to deploy highly scalable mobile broadband networks, and provides an opportunity for delivering advanced features.

Leveraging NewNet Communication Technologies' commercial deployment experiences with the earlier generation ASN-GW and ASN 1000, the ASN 2000 delivers maximum performance and rich features to reduce OPEX and CAPEX.

Vertical Markets ARPU Options

The ASN 2000 gateway is designed and built on industry proven software and commercial experience, which sets it apart from the competition. The platform not only delivers superior performance and redundancy but also offers the scalability and flexibility to support the next generation of subscribers and Machines.

Whatever your business model or objectives, NewNet Communication Technologies ASN 2000's performance, redundancy and rich selection of features gives you the flexibility to deliver innovative and attractive service bundles to match and exceed your subscriber expectations.



ASN 2000 Key features

- Carrier-grade design and compact platform
- Supports up to 24,000 subscribers and 200 Access Points
- Mobile IP and Foreign Agent functionality
- Seamless mobility handover support
- Comprehensive subscriber management
- Extensive QoS and packet processing capabilities
- Postpaid and prepaid accounting options
- Supports multiple contexts for wholesale application
- Paging and idle mode support
- Internet Protocol Security (IPSec)
- Flexible IP address allocation mechanism
- AAA Authenticator and EAP
- IP in IP and GRE tunneling between FA & HA
- CLI and SNMP support

Why NewNet

NewNet is leading the industry with award winning, end-to-end WiMAX solutions that address the full scope of an operator's deployment needs. The NewNet WiMAX solutions portfolio includes access, core, devices, network management and services. NewNet's best-in-class quality assurance processes, along with a track record of WiMAX commercial deployments worldwide, offer service providers the confidence that they are getting a high-quality, reliable solution. NewNet's comprehensive wireless broadband portfolio addresses the needs of the wireless broadband market with end-to-end solutions covering all aspects of the broadband wireless access deployment. Our deep and extensive product and services portfolio, decades of R&D investment, and experience as a global supplier of broadband wireless access solutions allow us to offer the best in class WiMAX solutions.

ASN 1000 SPECIFICATIONS

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|-------------------------|---|
| Application | Fixed/Mobile, Wholesale Retail |
| Operating Temperature | Operating Range: 5 to 40 degree Celsius |
| Dimensions (W x H x D) | 44.5 x 44.2 x 44.2 cm |
| Chassis | 10U |
| Maximum data throughput | Up to 120 Gbps |

REGULATORY COMPLIANCE

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|------------------------------|---|
| Designed to comply with NEBS | GR-63 CORE, NEBS Physical Protection, Level 3 GR-1089-Core, Electromagnetic Compatibility and Electrical Safety - Generic Criteria for Network Telecommunications Equipment, Equipment Type 2 |
| EMC | ETSI EN 300 386 (Europe); FCC part 15 (US) |
| Safety | IEC 60950-1; E 60950-1; UL 60950-1/CAN/CSA C22.2 No. 60950-1 |



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