



## NewNet WiMAX Access Service Network 1000

Offers lowest cost per subscriber to deliver a flexible, revenue-generating service offerings.

### **Lowest Cost per Subscriber**

Whether you are pursuing new customers in a rural environment or a new lower ARPU customer in an urban environment, minimizing your cost per subscriber while still delivering compelling user experiences is essential. NewNet Communication Technologies ASN 1000 is the lowest cost per subscriber solution, designed especially to meet the most challenging business cases.

The ASN 1000 was designed from the ground up to help Communication Service Providers (CSP) pursue new business. It does not require large cabinets or heavy cabling and offers up to 60% lower cost per subscriber compared to a typical high tier ASN gateway. The lower cost per subscriber enables more savings or higher margin per subscriber from day one. Later, as your access needs increase, the ASN 1000 can be easily integrated with NewNet Communication Technologies high tier ASN gateway.

### **More ARPU Options**

The ASN 1000 is a new gateway platform built on field-proven software – the fourth commercial release of NewNet Communication Technologies WiMAX system, WMX 4.0. This high quality

software release not only delivers high availability and reliability, but also provides the ASN 1000 with a rich set of premium, built-in features. Among the ARPU-friendly solutions enabled by the ASN 1000 are Premium Mobility, Wholesale, and M2M (Machine to Machine) solutions like Smart Grid.

A CSP typically receives \$8 to \$25 ARPU from a fixed WiMAX application but it can quickly increase to \$30 to \$50 when bundled with NewNet Premium Mobility – a fast hand off, low latency solution enabled by the faster processor of our dedicated CAP-C (Carrier Access

Point Controller). The result is a fantastic mobile broadband user experience that will encourage early take-up and quick market penetration for your service offerings.

WMX 4.0's Wholesale solution is another field-tested potential ARPU generator for commercial networks that comes built into the ASN 1000. Wholesale can, for example, enable a rural WiMAX CSP to offer broadband to its local subscribers while selling excess capacity to a local utility for Smart Grid solutions. The utility provider in turn can leverage the benefit of government stimulus incentives by offering green solutions to its consumers – benefiting everyone.

Whatever your business model, NewNet Communication Technologies ASN 1000's rich selection of features gives you the flexibility you need to tailor innovative and attractive service bundles to match, including:

- 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

### Eco-friendly Solution

NewNet is committed to constantly reducing operating expenses and improving power efficiency. The ASN 1000 is the latest product that benefits from this focus. With a footprint 69% smaller than a high-tier gateway, the modest space requirements of NewNet's ASN 1000 can mean lower space rental costs for the small CSP. The ASN 1000 also has 56% lower power consumption – which translates to lower utility costs and a greener solution.

### 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

Application	Fixed/Mobile, Wholesale Retail
Operating Temperature	Operating Range: 5 to 40 degree Celsius
Dimensions (W x H x D)	44.5 x 22.1 x 50 cm
Chassis	5U
Maximum data throughput	Up to 2 Gbps
Capacity	Up to 24,000 subscribers and 200 Access Points

### REGULATORY COMPLIANCE

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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