



Libra MAX

WiMAX Product Family

Libra MAX, the ultimate WiMAX platform from EION Wireless, delivers a range of WiMAX class base station and subscriber station products with exceptional performance, scalability and coverage. Our intelligent, field-proven backhaul and access wireless solutions let operators deliver innovative broadband services that are flexible and tailored to meet their subscriber needs. Operating in the 3.3, 3.5 and 3.6 GHz bands, Libra MAX is a versatile platform for implementing WiMAX networks and a pathway to increased service revenues and profits.



Libra MAX Application Guide

The Ultimate WiMAX Platform

Libra MAX - The Ultimate WiMAX Platform

The WiMAX standard promises to change the face of wireless communication. It also goes so far as to promise to change the way we live our lives and conduct business. Read on to learn about how WiMAX can really help carriers, service providers, and businesses—and how they can begin to prepare for WiMAX deployments.

As pioneers in the broadband wireless market—with more field experience than any other vendor—EION Wireless has built a product in which carriers and service providers can invest for the long term. Libra MAX is that product. Today, Libra MAX systems are operating in nationwide deployments in Europe, Africa and The Middle East. The Libra MAX platform is built to address the broadband wireless requirements of today's carriers and services providers.

Libra MAX is a chassis-based, dual-mode WiMAX platform that gives operators the opportunity of operating in a WiMAX standard mode and a proprietary Turbo W-OFDM mode.

More Services, More Subscribers, More Reach

Libra MAX is built to support the business goals of service providers. As demand for robust broadband wireless services increases, opportunities to increase revenue and profits are there for innovative service providers—and Libra MAX is the key.

With unprecedented performance and coverage, Libra MAX allows carriers, service providers, and enterprises to increase their competitive edge by offering more value-added services to their subscriber base. Libra MAX offers the opportunity to provide voice-over-IP, virtual private networks, and video services to business and residential markets. This not only translates to increased revenue, but also to increased profits—no additional infrastructure investments are required to gain the ability to offer these services.

Libra MAX offers WiMAX and Turbo W-OFDM throughput, allowing service providers to reach more customers than ever. This facilitates entry into new markets, competitive pricing, faster customer adoption, and profitability sooner than thought possible previously. The business model for the provision of

wireless broadband services to a large population of business and residential subscribers has become extremely compelling with Libra MAX.

With coverage exceeding 30 kilometers, Libra MAX opens up new opportunities to economically expand into previously unrealizable geographical areas—offering residential service where it had not been previously possible, and connecting the disconnected enterprise.

Urban Hotzones

A hotzone covers a large area of outdoor city geography, providing Internet access to users located anywhere in the vicinity—whether sitting on a park bench, on a job site, in a café, or in the lobby of an office tower. The result is increased productivity for the typical casual or business user seeking high-speed Internet access from a laptop or personal digital assistant (PDA). Because of the proliferation of WiFi devices, hotzones offer you the opportunity to increase customer spending on existing products and services, and to generate new sources of revenue.

Hotzones bring with them a set of challenges—subscriber acquisition, billing, security, device safety, and installation obstacles—that small business and home WiFi deployments don't face. Your customers not only expect reliable, high-speed internet service, but they expect service that meets their unique needs.

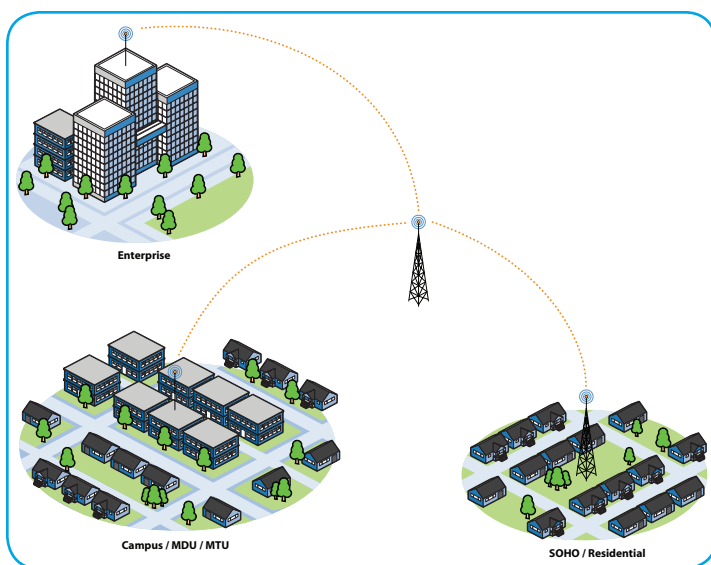
EION's hotzone solution has what it takes to meet these challenges—raising the bar for reliability, speed, and coverage. Using the global wireless standard IEEE 802.11b, or WiFi, along with Turbo W-OFDM backhaul products, EION-based hotzones enable your customers to simultaneously connect to the Internet or their corporate data networks at speeds of up to 11 Megabits per second (Mbps) in virtually any public place, without the constraints of wires or cables. EION's field-proven fixed wireless products provide a cost-effective backhaul by eliminating the need for expensive fiber. EION's experience in providing industrial-strength wireless solutions combined with a rich feature-set, make it the natural choice for your hotzone implementation.

Enterprise MDU/MTU

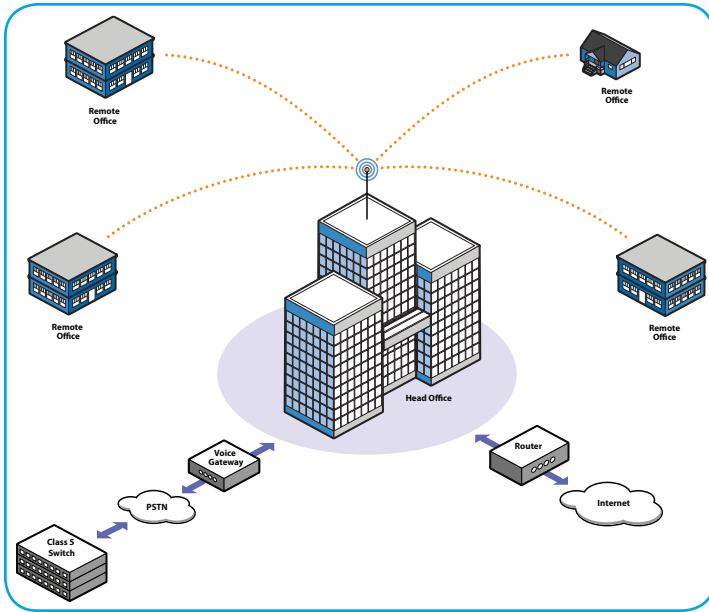
Providing broadband services to multiple dwelling or multiple tenant units (MDU/MTU) represents a significant business opportunity for services providers. Now, more than ever, the business case for providing a wide range of wireless broadband services is extremely strong.

Making use of EION's WiMAX platform, Libra MAX, service providers can now offer more services to more subscribers, without increasing their infrastructure costs. This can have a profound positive effect on the bottom line.

The MDU/MTU market is somewhat homogenous: MDUs represent residential users with common voice, data, and video requirements; MTUs represent businesses with similar networking needs (such as VPNs). Combine this dynamic with the performance delivered by Libra MAX, and you get service providers who are optimally leveraging their infrastructure investments, and maximizing revenues. In fact, by replacing traditional wireline infrastructure, service providers can extend their physical reach—adding more MDU/MTU organizations—as well as reduce costs, and increase their overall subscriber base.



Urban Hotzones

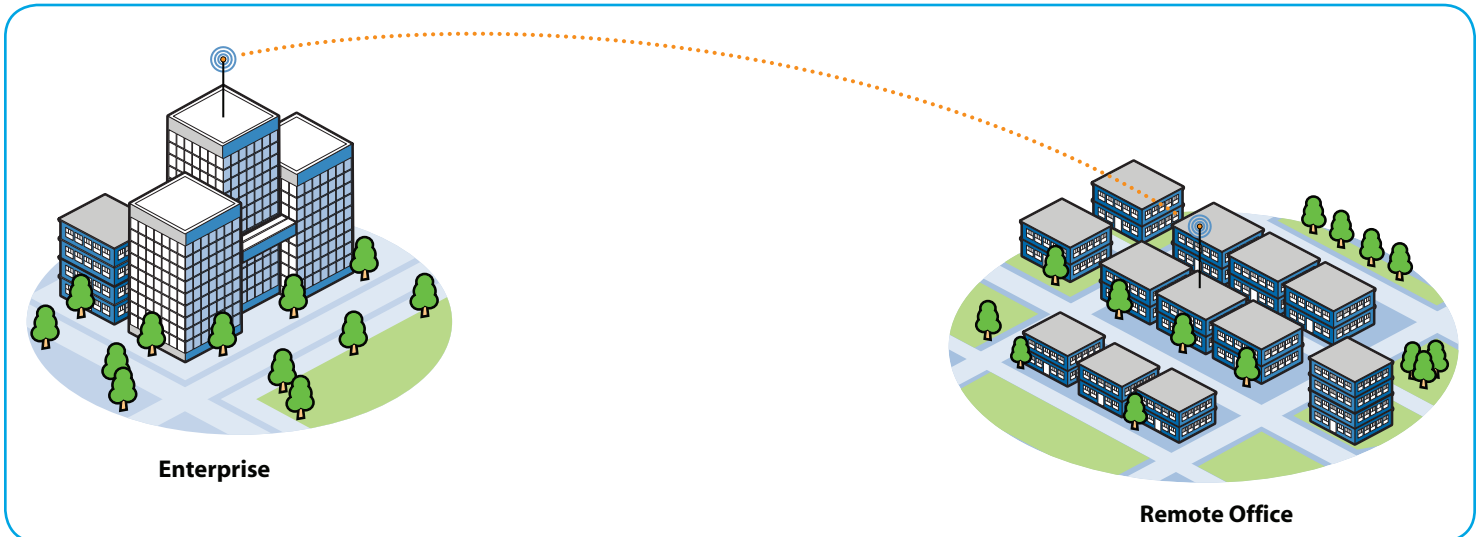


Enterprise MDU/MTU

Cellular Backhaul

Many service providers overlook a vital part of their network: backhaul. Once customer traffic reaches the cell site, this data needs to be reliably transported back to switches and Internet gateways. Wireless backhaul is a low-cost way to connect cell towers to mobile telephone switching offices (MTSOs).

Libra MAX delivers the most robust and cost-effective backhaul on the market. With WiMAX performance and higher with the optional Turbo W-OFDM technology, Libra MAX provides throughput at several times that which can be delivered by conventional hard-wired networks—making Libra MAX an extremely cost-effective backhaul alternative. In fact, Libra MAX supports four times as many voice calls as its predecessors.



E1/T1 Replacement

E1/T1 Replacement

According to Gartner, replacing a leased E1 or T1 line provides a return on investment in less than a year for many systems, and under 18 months for most systems. Even when factoring in the antennae, tower, and installation costs, a broadband wireless network is far more economical than paying monthly E1/T1 lease costs.

With Libra MAX, the argument for E1/T1 replacement becomes very compelling. Cost savings alone translate to a more economical network. Add dramatically increased throughput and QoS, and the result is a much more scalable network, and greater user productivity. Libra MAX is built for growth: as network requirements expand, simply add capacity and services to your Libra MAX system.

Whether connecting schools together within a state-wide network, or providing broadband service to a new business or industrial park that is out of the fiber ring, WiMAX delivers a powerful alternative to E1/T1 lines.

VoIP

Voice-over-IP (VoIP) is a revolutionary technology that is reinventing voice communications. Forrester Research predicts that nearly 5 million U.S. households will have VoIP phone services by the end of 2006. Using the Internet's packet-switching capabilities to provide phone service, VoIP promises to change the business model for telephony, and in doing so, create new business opportunities for those service providers for whom this market was closed.

EION's wireless VoIP solutions allow the transmission of voice communications over EION broadband wireless access systems with carrier-class Quality of Service (QoS). With Libra MAX, EION offers an extremely economical alternative to traditional wired service for voice traffic. It's also an excellent solution to allow competitive local exchange carriers to avoid leased line charges to incumbent carriers.

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EION Wireless, a division of EION Inc., is a global provider of Broadband Wireless products that enable effective, economic and secure wireless high-speed communications solutions. As a Principal Member of the WiMAX Forum with several thousand broadband wireless installations, EION Wireless is committed to providing standardized, interoperable products based on 802.16 standards. The company's licensed and unlicensed frequency products are used by wireless ISPs, private network operators, and remote rural networks and in voice and data backhaul applications to solve last mile challenges. EION Wireless works with more than 165 worldwide channel partners to support its diverse global customer base.

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