

About Redline Communications

Redline Communications is a technology leader in the design and manufacture of standards-based broadband wireless access solutions. Using industry leading OFDM technologies, Redline's award-winning products provide unmatched high-capacity non line-of-sight capabilities with proven performance, reliability and security. Ideal for a variety of access, backhaul and private network applications, Redline products are meeting the needs of carriers, service providers and enterprises worldwide. Redline has over 15,000 installations in 75 countries across six continents through a global distribution network of 80+ partners.

Redline and WiMAX

The RedMAX family of WiMAX-based products share Redline's Universal Architecture and are engineered so that you can design and deploy reliable, high-throughput broadband wireless networks now and swap in base stations and subscriber stations as your needs evolve. For example, the RedMAX Base Station can serve as either a base station or a high-end subscriber station, according to its initial software installation, allowing you to quickly re-designate and reconfigure current AN-100U subscriber stations to serve as controllers, as your network expands or as you add lower-cost RedMAX SU-O or SU-I units. Furthermore, the RedMAX Base Station allows enhancements for application-specific deployments through remote software downloads and hardware upgrades in the field, supporting an evolution from fixed to mobile applications.



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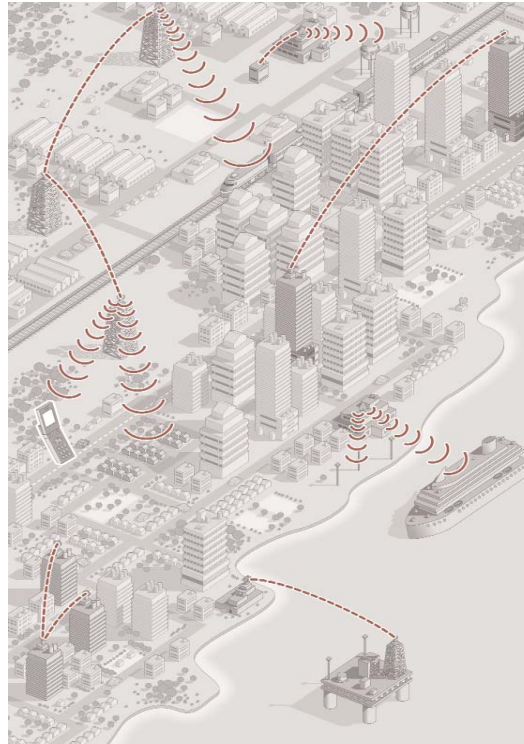
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The WiMAX Experience



WiMAX technology will extend to all aspects of our lives, in businesses large and small, and across residential areas, attracting a large number of subscribers who will use WiMAX in place of wireline broadband service and in combination with other wireless technologies. With its years of experience and high-quality, interoperable products, backed by superior post-sales support and service, Redline and its RedMAX family are well positioned to meet all your needs.

Glossary:

- OFDM (orthogonal frequency division multiplexing)
- NLOS (non line-of-sight)
- VoIP (voice over internet protocol)
- FTP (point-to-point)
- AES (advanced encryption standard)
- QoS (quality of service)
- OSS (operational system support)
- PMP (point-to-multipoint)
- NMS (network management system)



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Introducing **RedMAX™** the Next Generation family of
BROADBAND WIRELESS SOLUTIONS

INDUSTRY - LEADING BROADBAND WIMAX™ SOLUTIONS

Building on Redline's leadership in transforming solid standards into product innovations, the RedMAX portfolio of WiMAX-ready base stations, subscriber stations and network gateways enable 'best of breed' access, backhaul and private-network operations. Using a combination of Redline's industry-leading OFDM technologies and the Intel® PRO/Wireless 5116 chipset, RedMAX products will empower your networks to deliver unparalleled data, video, voice and network management services today and in the future. RedMAX - the world's leading comprehensive, end-to-end WiMAX solution!

Leading the
WiMAX Revolution



RedMAX Subscriber Units (indoor and outdoor)

Designed to be interoperable with a host of emerging, WiMAX-based base stations, including the RedMAX Base Station (AN-100U), the RedMAX Subscriber Unit (SU) is available as both an outdoor unit (RedMAX SU-O) and an indoor unit (RedMAX SU-I). Both units contain Intel's PRO/Wireless 5116 system-on-a-chip, which sets the stage for a new and compelling generation of standardized broadband wireless solutions.



The rugged RedMAX SU-O's low latency, dynamic QoS settings, and superior NLOS point-to-multipoint capabilities ensure reliable delivery of delay-sensitive services including circuit-switched voice traffic; VoIP and video traffic, as well as prioritized data. The unit features an integrated antenna, and a larger, optional external antenna, to increase range and performance.



Indoors, the RedMAX SU-I, like its SU-O counterpart, features a signal-strength indicator for easy installation, while providing high performance to SOHO businesses and residences. Taking advantage of PMP delivery, both subscriber units support several interfaces including traditional Ethernet; Ethernet + TDM (E1/T1); Ethernet + POTS and Ethernet + VoIP.

The WiMAX Advantage

WiMAX brings all of the advantages of a standards-based solution, including manufacturing economies-of-scale to promote competitive pricing, based on interoperable offerings. This in turn will ensure that broadband wireless solutions will be attractive alternatives to traditional wired and emerging wireless solutions for businesses and consumers, established carriers and new market participants in both urban and rural communities.

Redline is shipping the world's first 802.16-compliant product with its AN-100 product and, as part of the development process leading to the creation of its RedMAX family, the firm has worked with Intel Corporation and other manufacturers to ensure the future of interoperable, low-cost solutions adhering to the WiMAX standard.

Superior Support

Redline is world renowned in the broadband wireless industry for its superior support, springing from the technological expertise of its R&D division and continuing with its Redline-certified reseller and field service engineers. The tradition of service and support innovation, which spawned such industry firsts as personalized 7x24 support and its 'spares in the air' program, lives on with the RedMAX family of WiMAX-compliant offerings. These solutions have been engineered, manufactured and supported with the same degree of excellence as all other Redline products.



RedMAX Backhaul



Redline's RedMAX Backhaul solution (AN-100U) delivers robust, carrier-grade high-speed wireless backhaul connections and provides a platform for combining IP and voice services. It provides the ultimate 'converged' PTP platform in an elegant design to carry multiple E1/T1 circuits, IP data and management traffic.

The AN-100U eliminates the need for expensive wired infrastructure, making it ideal for carriers and ISPs who need reliable backhaul to support delivery of real-time high-bandwidth applications including VoIP, data and video traffic. The AN-100U can also be deployed as backhaul for WiFi networks, and for cellular/mobile communications applications.

RedMAX Base Station



Unique in its ability to serve as either a base station or a premium grade subscriber unit, the RedMAX Base Station (AN-100U) interoperates with any WiMAX-based subscriber station, including the RedMAX SU-O and RedMAX SU-I subscriber units to deliver PMP enterprise access and residential/SOHO services, as well as point-to-point backhaul services.

This carrier-class, high-reliability base station features solid security features such as AES encryption and field-upgradeability via a simple software download to accommodate future enhancements and developments in the 802.16e standard.

Like all of Redline's 802.16-2004 products, the RedMAX Base Station addresses all of the relevant access frequency bands with ease and flexibility. Given the software upgrade capability of the RedMAX Base Station, a common platform is provided that can adhere to evolving specifications for years to come.

WiMAX-ready Today, With a Path to Tomorrow

The RedMAX family of WiMAX-based products share Redline's Universal Architecture so that you can design and deploy reliable, high-throughput broadband wireless networks now and evolve these networks to handle future services. The architecture is also designed to evolve to the next generation of IEEE standards (i.e., 802.16e) to support mobility. This will form the data and network management core of mobile solutions for a host of new wireless devices, including laptop computers and various handsets, such as mobile phones, game players, and personal assistant devices.

The RedMAX family evolution will build on the firm's expertise and proven successes in delivering products for each of the 802.16 variants (a, 2004) to ensure that future RedMAX offerings for mobile applications share their predecessors' reputation for cost-effectiveness, reliability and industry-leading support.



RedMAX NMS

Operators of BWA networks require a feature-rich, reliable management system that is highly-automated to support services for the network components, while facilitating a migration path to full integration with the larger network OSS (including service creation, alarm management, performance management and billing components). RedMAX NMS meets these strategic requirements for current 802.16-compliant products and for emerging, more robust WiMAX-centered BWA networks. It is designed to manage a hybrid network of pre-WiMAX Redline products, as well as RedMAX family products to meet your FCAPS objectives.

