

RedMAX 4C™ Express (REX)



Benefits:

- True Mobile WiMAX capabilities
- Easy to install 'plug and play' unit
- Delivers personal broadband services
- Connects laptops and other portable devices
- MIMO technologies for long-range connections
- Supports QoS

The RedMAX 4C™ Express (REX) is the latest addition to Redline's RedMAX 4C family of mobile WiMAX products. The compact, plug-and-play REX is designed for use with laptops and other devices equipped with a USB port, and enables operators to deliver the personal broadband services required in today's market.

The REX offers the exceptional performance that carriers have come to expect from each of Redline's proven WiMAX products. The superior Non-Line-Of-Sight (NLOS) capabilities and low latency of the REX enables the reliable delivery of voice, video and data services in a wide range of environments. Users can quickly and easily establish a broadband connection from anywhere within the network service area.

Compliant with the IEEE 802.16e-2005 standards for Mobile WiMAX, the REX is designed to be a low-cost solution for subscribers to access broadband data services from any mobile WiMAX network.

Incorporating Multiple-Input, Multiple-Output (MIMO) technologies, the REX delivers the high-quality, long-range and high throughput links that users need to stay connected anywhere, and at anytime.

RedMAX 4C Express (REX) Specifications

System Description:	Mobile WiMAX USB dongle WiMAX Forum Certification Wave II system profile
Physical Layer:	Scalable OFDMA (512/1024 FFT) with MIMO (Matrix A/Space Time Coding and Matrix B/Spatial Multiplexing support). Supports 2x2 downlink MIMO and collaborative uplink MIMO operation
MAC Attributes:	QoS: BE, nrtPS, rtPS, ertPS, UGS Hybrid ARQ with convolutional turbo codes
Duplex Technique:	TDD (time division duplex)
RF Band & Channel Size:	2.3-2.4 GHz, 2.496-2.69 GHz (5/10 MHz) and 3.3-3.8 GHz (3.5/5/7/10 MHz)
Mean Output Power:	23 dBm
Modulation:	QPSK, 16 QAM, 64 QAM
Forward Error Correction & Coding Rates:	Convolutional Turbo Coder/Decoder
Over the Air Encryption:	AES
Operating Temperature:	-0 C to 40 C
Antenna:	2 dBi omni-directional
Regulatory Approvals:	FCC Class B, FCC Part 15C, CE

RedCARE Support

Redline's complete family of RedMAX™ products is backed by the best support programs in the industry. Redline's exceptional network of highly trained Certified Partners provides responsive customer and solution support everywhere Redline's products are available – all fully backed by Redline's RedCARE program.

The RedCARE program is backed by Redline's decade of experience in deploying OFDM solutions for both WiMAX and backhaul network deployments. The program is delivered through a dedicated team of certified professionals. RedCARE ensures consistent, broadband wireless connectivity for our customers.

Redline Management Suite (RMS)

The award-winning Redline Management Suite (RMS) is a sophisticated element management solution that gives broadband network operators the ability to easily deploy, control, monitor and upgrade their Redline components network-wide through an intuitive, user-friendly GUI. The RMS acts as a gateway between the Redline equipment in the network and the NMS and OSS/BSS, enabling full automation in the system.

About Redline Communications

Redline Communications is the leading provider of fixed and mobile standards-based wireless broadband solutions. Redline's RedMAX™ WiMAX Forum Certified™ system, RedMAX 4C Mobile WiMAX™ products, and its award-winning broadband wireless infrastructure family of products – RedCONNEX™ and RedACCESS™ – enable service providers and other network operators to cost-effectively deliver high-bandwidth services, including voice, video and data communications. Redline is committed to maintaining its wireless industry leadership with the continued development of WiMAX and other advanced wireless broadband products. With more than 75,000 installations in 80 countries, and a global network of over 140 partners, Redline's experience and expertise helps service providers, enterprises and government organizations roll out wireless broadband networks to support advanced communications.

