



AN-80i Broadband Wireless System



AN-80i features:

- Up to 108 Mbps uncoded burst rate
- Lowest end-to-end latency in its class
- Dynamic time division duplex (TDD) transmission
- Bi-directional dynamic adaptive modulation
- All outdoor configuration

The AN-80i broadband wireless system is Redline's latest high-performance, low-cost backhaul and bridging solution. Offering the robust performance and reliability that carriers and other service providers have come to expect from Redline's wireless products, the AN-80i is ideal for point-to-point links to expand your network and reach more customers.

Operating in the license-exempt 5.8 GHz band, Redline's AN-80i features OFDM technology and delivers high-speed ethernet throughput. The AN-80i also offers long-range operations of more than 80 km (50 miles) in clear line-of-sight conditions, as well as robust non-line-of-sight connections.

The Redline AN-80i is easy and economical to deploy. Available with a wide selection of antennas, the outdoor system includes an audible antenna alignment indicator for quick and simple installation. The indoor Power-over-Ethernet (PoE) injector provides the network Ethernet port and power for the outdoor unit.

The AN-80i is an excellent choice for companies that require a cost-effective carrier-grade solution. The AN80i supports advanced applications including transparent LAN, VoIP and high-quality video.

With its high speed and long range capabilities, the AN-80i offers you the most cost-effective solution available to deploy and expand your wireless network offerings.

Industry Leading Broadband Wireless Solutions

Redline products deliver an unmatched combination of range, capacity, security, and reliability, even in very challenging environments. Best-in-class data rates and spectral efficiencies conserve valuable spectrum and reduce the costs of providing high-performance connectivity. With built-in security encryption, and many other advantages, Redline products provide the reliability you need to grow your systems into the future.

AN-80i System Specifications

System Capability:	LOS, optical-LOS, and non-LOS (OFDM)	Dynamic Channel Control:	ATPC
RF Band:	5.725-5.850 GHz, TDD	MAC:	PTP, concatenation, ARQ
Channel Size:	20 MHz, 40 MHz (software selectable)	Range:	Beyond 80 km (50 mi) LOS @ 48 dBm EIRP
Data Rate:	Up to 90 Mbps average Ethernet rate	Network Connection:	10/100 Ethernet (RJ-45)
Max TX Power:	20 dBm (region specific)	System Configuration:	HTTP (Web) interface, SNMP, Telnet
Rx Sensitivity:	-82 dBm @ 6 Mbps (BER of 1x10e-9)	Network Management:	SNMP: standard/proprietary MIBs
PoE Cable:	Up to 91m (300 ft)	Power Consumption:	Standard IEEE 802.3af (15.4 W Max.)
Network Attributes:	Transparent bridge, automatic link distance ranging, 802.3x, 802.1p, DHCP pass-through, encryption	Power Supply:	110/220/240 VAC 50/60 Hz
Modulation:	BPSK to 64 QAM (bidirectional dynamic adaptive)		

Superior Support

When you choose Redline, you receive the easiest solution to install and manage, and the best customer support in the industry.

We meet our global commitments by selling through our fully qualified partners - professionals who meet our rigorous requirements for world-class service and support. All Redline partners are fully committed to customer satisfaction and are supported by our series of structured service programs and stringent quality and efficiency requirements.

Ease of Installation and Management

Redline products are easier and less expensive to install, maintain, and manage. Locating the transceiver beside the antenna - eliminates cable losses, and enables the use of low cost cables and small, easy to align antennas. Redline products can maintain a reliable link in challenging environments, allowing antennas to be placed in convenient locations such as building rooftops and small towers. This minimizes installation costs and reduces location rentals.



Leading the
WiMAX Revolution

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 20,000 installations in 80 countries across six continents through a global distribution network of 80+ partners.

