

POWERFUL. VERSATILE. RELIABLE.



REDLINE BROADBAND WIRELESS SYSTEMS

ESTABLISHING SECURE AND RELIABLE COMMUNICATIONS IN TOUGH ENVIRONMENTS

Military organizations know the value of using broadband wireless to provide secure high-quality video, data and voice services in evolving theater operations and on permanent base installations.

Redline's FIPS 140-2 certified radios deliver secure, affordable communications that can be deployed quickly to solve connectivity issues, to establish battlespace dominance, and to improve overall operational capability. Redline combines broadband radios with specialized software to create a powerful, versatile and reliable network optimized for military operations.

TACTICAL OPERATIONS

The light weight and small size of Redline's radios simplifies logistics when providing reliable and secure voice, video and data communication in austere forward operating areas. Redline provides the only commercial off-the-shelf (COTS) broadband radio that can be software configured as point-to-point or point-to-multipoint to further simplify logistics, streamline training and lower costs.

RANGE DEPLOYMENTS

Improve accuracy and performance in range operations. Redline's high throughput, non-line-of-sight radios interconnect remote range assets such as cameras, sensors and Wi-Fi clouds over difficult topographies and in harsh environments.

GARRISON

Use the high capacity, long range and low latency of Redline's radios to provide connectivity between buildings, to track RFID tagged assets and to enable Internet access for Morale Welfare and Recreation (MWR) on permanent base installations.

NOMADIC COMMUNICATIONS

Redline radios combined with Broadband Antenna Tracking Systems (BATS) technology enable high throughput, and long-range nomadic or mobile communications. BATS technology automatically locates, optimizes and tracks wireless connections between fixed or mobile wireless access points in seconds.

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WHY REDLINE WHEN YOU WANT TO GO WIRELESS IN MILITARY OPERATIONS

MOST POWERFUL With the longest range (over 120 kilometers), the highest throughput (up to 100 Mbps) and the lowest latency (less than one millisecond), Redline wireless networks transport demanding applications such as streaming media, providing real-time situational awareness and force protection.

MOST STRINGENT SECURITY Redline is the only broadband wireless company offering a choice of AES-256, X.509 authentication with its FIPS 140-2 radios — the stringent security required by the federal government and military customers.

EXCEPTIONALLY VERSATILE Redline's software defined common radio platform simplifies network design and logistics. With a simple software download, Redline radios can be configured as point-to-point or point-to-multipoint or they can be set up to add specialized applications to your existing system, from backhaul to video surveillance, from high performance to ultra-high performance.

LOWEST LIFETIME COST Powerful radio platforms and high reliability combine with over-the-air software updates to deliver the industry's lowest lifetime cost. There is no need to replace hardware as your needs change.

"The Marine Corps Wireless Point-to-Point Link (WPPL) program had a long-standing requirement to add a certified FIPS 140-2 transmission encryption capability in order to ensure completely secure wireless communications. Redline's high-security, validated AN-80i broadband wireless radio makes this critical feature a reality."

Major William Cornell, USMC

NO COMPROMISE

No matter how challenging the situation, how complex the network, or what future applications you may add, Redline's broadband wireless systems deliver uncompromising performance in the toughest environments.

TOTALLY RELIABLE With a Mean Time Between Failures of 29 years, and a ruggedized, hardened and marine-ready design, Redline's radio technology provides uninterrupted communications in the harshest environments. Reliable communications in tough interference conditions are assured with Redline's advanced error correction.

EASILY DEPLOYED Redline's small size, light weight and non-line-of-sight operation simplifies logistics and installation. Deploy where you want and when you want. Low power consumption allows radios to be powered over the Ethernet cable (PoE). The radios can also easily be powered by solar, wind or battery sources in remote locations, speeding deployment and saving hundreds of dollars on installation costs.

"Incorporating the AN-80i enabled us to establish a Brigade Combat Team wide network across 90% of our C4I nodes from Brigade to Battalion to Company to Observation Post levels. This allowed us to use our FDMA and TDMA satellite linkage only as secondary, redundant communications.Every tactical company in a Brigade Combat Team should have at least one Redline broadband wireless radio system as part of its MTOE."

Major Timothy Hardy U.S. Army 10th Mountain Division

UNMATCHED SUPPORT AND A WIDE NETWORK OF CERTIFIED PARTNERS

Redline offers warranty and maintenance plans, professional services and training programs, and more to protect your investment and to ensure service continuity. Redline products are marketed and supported locally through a network of certified value-added resellers in the Americas, the Middle East, and Africa.

To learn more, please contact us or visit www.rdlcom.com

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