

POWERFUL. VERSATILE. RELIABLE.



WHEN YOU NEED BROADBAND WIRELESS GO WITH THE LEADER

Redline's outdoor broadband wireless systems enable the delivery of high-speed communications services and applications for business and government.

Redline combines powerful and reliable broadband radio platforms with modular software to create versatile solutions that allow specialized applications to go wireless – without compromising performance.

CHOOSE REDLINE WIRELESS SYSTEMS FOR SEAMLESS OPERATION OF COMPLEX APPLICATIONS

Award-winning products provide high capacity point-to-point communications links to backhaul information between network locations and high-speed point-to-multipoint access links between business users and their corporate networks.

Modular software converts radios into a specialized solution for the ultimate in versatility. Over-the-air software upgrades add speed, capacity and can tune radios for additional applications to grow and change your system when your needs change.

SOLUTIONS

Private Networks

- Create your own private network to connect buildings, people and applications and reduce leased line expenses.
- Seamlessly connect local and remote sites thanks to Redline's longest range, highest throughput and lowest latency.
- Support more users with fewer radios over a wide range of urban and rural environments.
- Used by local and state government, enterprises, military organizations and the oil and gas industry.

Video Surveillance

- Enhance public safety and homeland security; protect employees, customers, property and vital assets and improve operations with Redline wireless networks.
- Cover more area with more video surveillance cameras and get the highest quality video with fewer radios thanks to Redline's high performance.
- Rest easy knowing that Redline tests all products with the leading camera manufacturers to ensure flawless performance of the system right out of the box.
- Used by local and state government, enterprises, military organizations and the oil and gas industry.

Business Access

- Allows Telecom Service Providers to easily expand into underserved areas using Redline's high capacity systems.
- Generate new revenues by providing Business Access Services such as "DIA" and SIP-Trunking and by delivering high-speed Internet connectivity to more customers.
- Maximize revenues by setting up tiered services with Redline's powerful QoS capability.
- Used by Telecom Service Providers

Backhaul

- Seamlessly backhaul remote sites thanks to Redline's longest range, highest throughput and lowest latency.
- Provide uninterrupted communications in the harshest environments and in tough interference conditions with Redline's advanced error correction.
- Secure communications with FIPS 140-2 certified Redline radios, the stringent security required by federal government and military customers.
- Used by local and state government, enterprises, military organizations and the oil and gas industry.

Data Acquisition

- Easily extend coverage to SCADA, sensors, video surveillance cameras, laptops, terminals and mobile users where fiber installation costs are prohibitive - thanks to Redline's extreme range and high performance.
- Support existing sensors, SCADA and AMI devices when moving to all IP networks - with Redline's serial port polling.
- Provide real-time access to information for remote sites, offshore platforms and ship-to-shore operations.
- Used by the oil and gas industry and local and state government.

"Execulink and Redline were chosen for this project after an extensive evaluation and public bid, where many different solutions were considered. Redline was the clear choice for a radio partner, because of its products' coverage, capacity, speed of deployment, and fast return-on-investment, all of which result in delivering the best service for the people of Oxford County."

**Jonathan E. Scott, CFO & V.P.
of Operations Execulink Telecom**

INDUSTRIES SERVED

Local and State Governments

Enhance public safety and homeland security. Cover more area with more video surveillance cameras using Redline's video surveillance networks.

Reduce Costs. Create your own private network to connect buildings, people and applications, thus reducing monthly network expenses.

Bridge the digital divide. Bring high-speed Internet access to all constituents.

Telecom Service Providers

Expand coverage into underserved areas. Redline's point-to-point radios provide the longest range and the highest throughput for backhaul applications.

High capacity point-to-multipoint radios enable Business Access Services such as "DIA" and SIP-Trunking to more customers.

Increase revenues. Set up tiered services with Redline's powerful QoS capability.

Oil and Gas

Extend the Digital Oil Field. Redline's extreme range and high performance easily extends SCADA, sensors, video surveillance cameras, laptops, terminals and mobile user connectivity over large areas.

Provide better connectivity for your people. Use Redline's backhaul solutions to provide real-time access to information for remote oil fields, offshore platforms and ship-to-shore operations.

Military Organizations

Secure communications. FIPS 140-2 certification makes Redline the most frequently deployed commercial off-the-shelf (COTS) broadband radio in the history of the U.S. Department of Defense.

Be reliable. 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.

Deploy quickly. Establish communications capability and adapt quickly in evolving theatre operations.

"With state-of-the-art comes complexity, and Redline had the only broadband radio system capable of supporting these new and demanding server applications for Advanced Video Functions. Redline made it possible for us to implement the best video technology available, and its ability to create multicast groups within our wireless network allows the National Police to share video security resources with security divisions."

Han Mutlu, President Global Forte



WHY REDLINE?

Most Powerful

With the longest range (over 120 km), highest throughput (up to 100 Mbps), and lowest latency (<1 msec), even the most challenging applications run like wired over Redline wireless networks.

Exceptionally Versatile

A 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 can be set up to run specialized applications from video surveillance to data acquisition, from high performance to ultra-high performance.

Easily Deployed

Redline's solutions approach ensures easy and seamless deployment for SCADA /AMI data acquisition systems, backhaul, video, private networks and access systems. Industry-leading low latency and high throughput allow multiple applications to work without expensive, time-consuming configuration changes.

Lowest Lifetime Cost

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

Most Secure

Redline is the only broadband wireless company offering the choice of AES-256, X.509 authentication and FIPS 140-2 certification, the stringent security required by federal government and military customers.

Totally Reliable

With an MTBF of 29 years, and a ruggedized, hardened and marine-ready design, Redline assures uninterrupted performance in harsh weather conditions and in the most challenging environments.

RADIO PLATFORMS

RDL-3000

The RDL-3000 radio platform uses 2 X 2 MIMO and enhanced radio technology to deliver industry-leading throughput and range along with Redline's leading low latency for super high capacity, extreme-range PTP and PMP specialized wireless applications.

Elte-MT

Go further, faster, and more extreme with the robust Elte radio platform. Fully ruggedized and designed for industrial applications, the Elte provides high speed data connectivity between people, places and machines. Entirely OTA manageable and upgradeable, the Elte is ideal for remote or hard-to-reach locations with limited data access.

Enterprise

Purpose built for the Service Provider B2B market, the Enterprise radio platform has the industry's highest throughput and lowest end-to-end latency to provide delivery of delay-sensitive services and prioritized data traffic.

AN-80i

The AN-80i radio platform delivers high capacity, high throughput, long-range performance and low latency for PTP and PMP wireless communication links for a wide range of specialized applications.

RDL-2000

The RDL-2000 radio platform uses 2 X 2 MIMO technology to provide up to 270 Mbps PTP wireless links. Very low power consumption, and small size allow quick deployment.

RDL-5000

The RDL-5000 microwave radio and integrated gigabit. Ethernet switch provides the highest PTP packet throughput in its class — up to 800 Mbps.

SOFTWARE

- **RapidLINK** for fast and simple setup on point-to-point links
- **MetroLINK** for premium access services in private and access networks
- **SmartLINK** for data acquisition applications
- **VideoLINK** for high capacity, high quality video surveillance
- **SecureLINK** for secure operation and stringent FIPS 140-2 compliance
- **Redline Management Software (RMS)** to manage and upgrade Redline components

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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