

Public Safety

Mission Critical Data Applications



A Proven Solution

Wireless Leader

Since 1993, Sierra Wireless has been a pioneer in the cellular data space, enabling pervasive two-way communication to remote commercial assets. The AirLink™ Mobile and M2M product line has provided customers with significant ROI by leveraging the public wireless networks, integrating real-time data into the enterprise for accurate monitoring, control, reporting and compliance.

Sierra Wireless' line of AirLink fixed and mobile connectivity solutions has continuously evolved in parallel with the wireless technologies and broad applications served. Our reliable embedded ALEOSTM technology, coupled with AceWare™ remote management tools and utilities and unmatched technical expertise, have earned the company an exceptional reputation in the industry.

Rugged Intelligence for Mission Critical Applications

Robust Intelligence

Powered by ALEOS, the long standing industry benchmark for embedded intelligence, the Sierra Wireless AirLink mobile data platforms enable the persistent network connection that is so vital in mobile applications. Furthermore, ALEOS - in conjunction with the AceWare suite of software tools and utilities - allow remote diagnostics and modem configuration.

High-Speed Data

The Sierra Wireless AirLink mobile communications platforms are designed to maximize the potential of today's high-speed 3G wireless networks. Mobile broadband capabilities enable public safety customers to create a true mobile office environment, providing access to vital back-end databases, such as National Crime Information Center (NCIC) and Division of Motor Vehicles (DMV).

Precision GPS Tracking

Equipped with high-sensitivity GPS chips, the AirLink mobile data modems ensure real-time, precise location data for an entire fleet. Partnerships with best-in-class GPS location application providers enable delivery of complete asset tracking and location solutions to Sierra Wireless customers.

Rugged Reliability

Built to meet the military standards, the PinPoint X and MP Series modems are able to withstand the intense heat and vibration of a mobile implementation. Sierra Wireless mobile communications devices have been deployed in countless public safety vehicles for over a decade and have withstood the test of time.



Pervasive Connectivity



LAW ENFORCEMENT

- High-Speed Mobile Data
- Access to Back-End Databases
- GPS Location



FIRE AND RESCUE

- GPS Location and Routing
- Vehicle Telemetry



EMT/AMBULANCE

- Routing and Dispatch
- Mobile Access to Patient Information
- Remote Diagnostics



AIRLINK PINPOINT X INTELLIGENT IN-VEHICLE PLATFORM

- MIL Spec 810-F
- Embedded Intelligence
- I/O Ports for Vehicle Telemetry
- Multiple Interfaces (Serial, Ethernet, USB)



MP SERIES RUGGED MODEMS

- Ultra-Rugged Design
- MIL Spec 810-F, SEA J1455
- High-Speed Processor
- Multiple Interfaces

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Real World Success

Missouri State Highway Patrol: Installed MP Series rugged modems for mobile data and location.

Benefits:

- Real-time computer aided dispatch
- Access to State and Federal databases
- Increased productivity and improved service



"The Sierra Wireless Modem was leaps and bounds above any other product we evaluated," said Jim Biggerstaff, director of MSHP's Communications Division.

Ulster County (NY) Police: Integrated AirLink PinPoints, rugged laptops and AVL tracking application.

Benefits:

- Improved community service - Able to respond to incidents more quickly by deploying the nearest patrol car to the scene
- Increased efficiency - Real-time access to DMV and National Crime databases



Seattle Fire Department: Implemented AirLink PinPoints for network and asset tracking.

Benefits:

- Improved response time - GPS location enables more efficient deployment of emergency vehicles to scene
- Better access to information - High-speed wireless mobile data enables dispatched vehicles to access vital data



ALEOS™ Technology

At the heart of the Sierra Wireless AirLink products is ALEOS, the embedded core technology that simplifies installation, operation and maintenance of any wireless solution.



- Persistent Network Connectivity
- Over-The-Air (OTA) Upgrades
- Extensive Machine Protocols
- Device Management & Control
- Real-Time Notification
- Wireless Optimized TCP/IP
- Packet Level Diagnostics
- Protocol Spoofing

AceWare™

Sierra Wireless' best-in-class tools and utilities, leveraging the intelligence of ALEOS, simplify deployment, as well as remote monitoring, control and management of the entire solution.



AceManager - Extensive remote management application

- Real-Time, Remote Device Status and Health
- Comprehensive OTA Device Configuration and Firmware Updates

AceView - Efficient status and connection monitoring application

- Modem Status, Connectivity, Signal Strength, GPS Signal and Mapping

AceNet - Enterprise-level application to simultaneously monitor, control and manage a complete deployment of AirLink devices

- One-To-Many Device Configuration and Management
- Charts Modem Statistics for Performance Analysis

MP Modem Manager - Enterprise-level remote configuration tool for MP Series Modems

- One-To-Many Device Configuration and Management
- OTA Module Firmware Updates



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SIERRA WIRELESS

Connecting People and Systems to Mobile Broadband Networks Around the World

Sierra Wireless modems and software connect people all over the world with mobile broadband networks that keep them in touch, informed and productive from wherever they need to be. The company offers a diverse product portfolio addressing enterprise, consumer, original equipment manufacturer, machine-to-machine and specialized vertical industry markets. Sierra Wireless also provides professional services to customers requiring expertise in wireless design, integration and carrier certification. For more information, please visit our website, www.sierrawireless.com.