

# AIRLINK™ RAVEN

## RUGGED INTELLIGENT WIRELESS MODEM FOR CDMA 1X NETWORKS

### KEY FEATURES

#### ■ Markets

Infrastructure  
Manufacturing  
Automation  
Utilities  
Oil and Gas  
Electric

#### ■ Product Features

Embedded Intelligence  
Rugged  
Machine Protocols  
Status LEDs  
Serial Port  
Class I Div 2 Certified

#### ■ Product Benefits

Persistent Network Connectivity  
Easily Integrated with Legacy Equipment  
Low Power Consumption  
Compact Size  
Certified for Hazardous Environments  
Remote Management and Configuration

### TECHNICAL SPECIFICATIONS

#### ■ Technology

CDMA 1xRTT  
CDMA IS-95

#### ■ Bands

800 Mhz Cellular  
1900 Mhz PCS

#### ■ Environmental

Operating Temperature:  
-30 to 70° Celsius  
Storage Temperature:  
-40 to 85° Celsius

#### ■ Power Consumption (@12V DC)

Transmit/Receive (Typical/Max) 200/200 mA  
Dormant 40 mA  
Input Voltage 10 - 28V DC  
Input Current 40 mA to 200 mA

#### ■ Standards/Approvals

FCC  
Industry Canada  
Class I Div 2  
Carrier specific approvals

#### ■ Host Interfaces

RS-232: DB9 (1200 – 230400 baud)  
Antenna Connection: 50 Ohm TNC

#### ■ Dimensions

76mm x 25mm x 129mm  
317 grams

#### ■ Application Interfaces

TCP/IP, UDP/IP, DHCP, HTTP, SNMP,  
SMTP, SMS, MSCI, Modbus and more

#### ■ LED Indicators

Channel  
Link  
Registration  
RSSI  
TxRx  
Error  
Power

#### ■ For More Information

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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](http://www.sierrawireless.com).

SIERRA WIRELESS  
**AIRLINK™ RAVEN**  
(CDMA 1X NETWORKS)

Access mission critical data

Control your assets in real time

Improve your business



  
**SIERRA WIRELESS**  
HEART OF THE WIRELESS MACHINE

# AIRLINK™ RAVEN RUGGED INTELLIGENT WIRELESS MODEM FOR CDMA 1X NETWORKS

## ■ Rugged Intelligence

Powered by ALEOS™ technology, the longstanding industry benchmark for reliable and feature-rich intelligence, the Raven maintains a persistence network connection for mission critical applications. Its compact design, Class I Div 2 certification for use in hazardous environments and vast library of telemetry protocols have made the Raven a workhorse for a wide range of industrial applications.

## ■ Reliable, Widely Available CDMA 1X Coverage

Featuring a robust processor and ALEOS intelligence the Raven is designed to provide a consistent, reliable connection to the pervasive internet. Embedded with widely available CDMA 1x wireless technology, the Raven provides reliable, ubiquitous access to your assets. Thanks to the large footprint of CDMA technology your remote equipment is never out of reach.

## ■ The ALEOS™ Advantage



ALEOS, the embedded core technology available only from Sierra Wireless, simplifies installation, operation and maintenance of any solution, and provides an always-on, always-aware intelligent connection for mission-critical applications. Benefits of ALEOS include:

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

## ■ AceWare™ Device Management

AceWare, the Sierra Wireless suite of tools and utilities, leveraging the intelligence of ALEOS, simplifies deployment as well as remote monitoring, control and management of the entire wireless solution.

### AceManager

Remote device monitoring and configuration tool.

- Network Connectivity, Throughput and Signal Strength
- Real-Time Device Status and Health
- Comprehensive OTA Device Configuration and Firmware Updates

### AceNet

Enterprise-grade device management application.

- One-to-Many Device Configuration and Management
- OTA Parameter Settings and Firmware/PRL Updates
- Logs Performance Statistics
- Charts Modem Behavior for Performance Analysis

### AceView

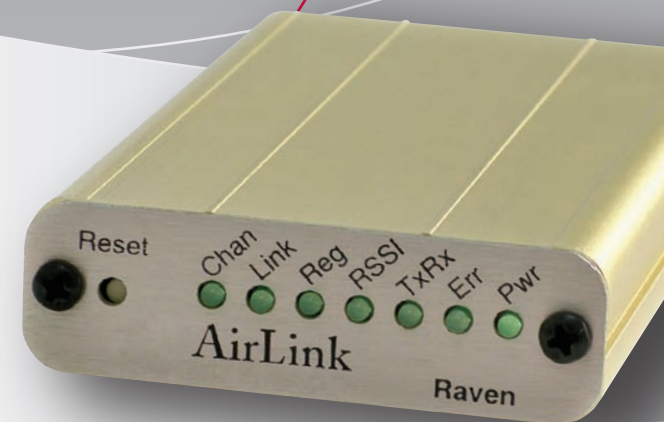
Efficient status and connection monitoring application.

- Low-Profile, Easy-To-Read, On-Screen User-Interface
- Modem Status, Connectivity, Signal Strength
- GPS Signal and Mapping

## ■ Sierra Wireless Reliability And Support

Sierra Wireless has over 13 years experience and a solid reputation for high quality data products backed by a dedicated field and call center support team. For customers, the AirLink™ brand means reliable, intelligent data devices that enable enterprise customers to enhance their operations while reducing costs and increasing revenues.

Applications	
✓	Oil and Gas
✓	Electric
✓	Water/Waste Water
✓	Homeland Security
✓	Intelligent Traffic Systems
✓	Wireless ATMs
✓	SCADA/Telemetry



POWERED BY: ALEOS™