

# AIRLINK™ RAVEN X WIRELESS DATA COMMUNICATIONS PLATFORM FOR HSDPA NETWORKS

## KEY FEATURES

### ■ Markets

Financial  
Wireless Networking  
Utilities  
Infrastructure

### ■ Product Features

Embedded Intelligence  
High-Speed Processor  
Machine Protocols  
Class I Div 2 Certified

### ■ Product Benefits

Persistent Network Connectivity  
High-Speed 2-Way Data  
Certified for Hazardous Environments  
Remote Management and Configuration  
Simple Integration with Legacy Equipment

## TECHNICAL SPECIFICATIONS

### ■ Technology

HSDPA  
With Fallback To:  
UMTS  
EDGE  
GPRS

### ■ Bands

Dual-Band UMTS/HSDPA  
850 MHz and 1900 MHz  
Quad-Band GPRS/EDGE  
850 MHz, 900 MHz, 1800MHz and  
1900MHz

### ■ Environmental

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

### ■ Power Consumption (@12V DC)

Transmit/Receive (Typical/Max) 293/318 mA  
Idle 135 mA  
Input Voltage 9 - 28V DC

### ■ Standards/Approvals

FCC  
Industry Canada  
Class I Div 2  
Carrier specific approvals

### ■ Host Interfaces

Ethernet: 10/100 Mbps RJ-45  
RS-232: DB9 DCE (300 – 230400 baud)  
Antenna Connection:  
Primary - 50 Ohm SMA

### ■ Dimensions

116mm x 35mm x 63mm  
317 grams

### ■ Application Interfaces

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

### ■ LED Indicators

Network  
Signal  
Activity  
Service  
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 X**  
(HSDPA NETWORKS)

Send and receive high-speed data

Network your equipment

Improve your business



## ■ Rugged Intelligence

Powered by ALEOS™ technology, the longstanding industry benchmark for reliable and feature-rich intelligence, the Raven X is a powerful, robust wireless networking and communications platform. With a high-speed processor and Ethernet port the Raven X is ideal for a wide range of financial and retail applications. Its rugged form factor, serial port and Class I Div 2 certification make it equally suited for industrial use.

## ■ Next Generation HSDPA Wireless Data

Featuring advanced processing power and expanded memory, the Raven X is optimized for high-speed cellular networks. Leveraging high-speed HSDPA technology, the Sierra Wireless AirLink Raven X provides wide area wireless data access at speeds up to 1.8 Mbps downlink and 384 Kbps uplink. Users can expect average upload speeds of 220 - 320 Kbps, and download speeds of 500 - 800 Kbps. In areas where HSDPA is not available the Raven X is backward compatible to UMTS, EDGE and GPRS technology.

## ■ 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

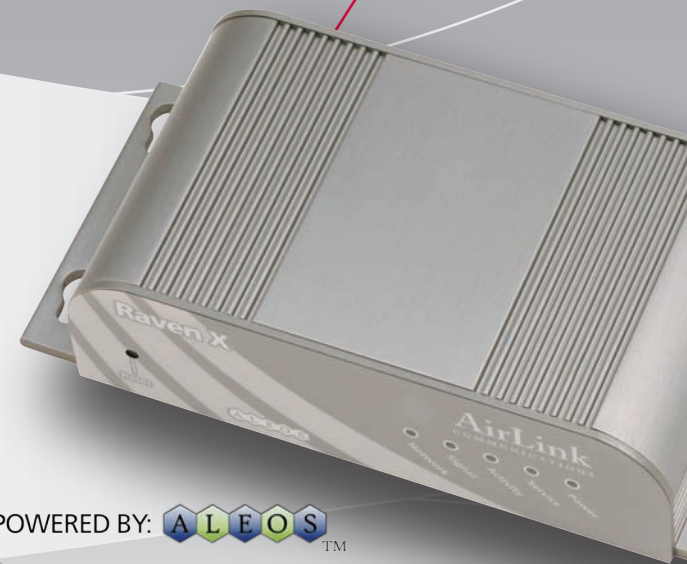
Efficient status and connection monitoring application.

- 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	
✓	Primary/Back-up Internet Connection
✓	Advertising
✓	Streaming Media
✓	Video Surveillance
✓	Point-of-Sale
✓	Vending/Kiosks
✓	Remote Monitoring and Control
✓	Oil and Gas
✓	Electric



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