

AIRLINK™ RAVEN X

WIRELESS DATA COMMUNICATIONS PLATFORM FOR HSPA 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

HSPA
With Fallback To:
HSDPA
UMTS
EDGE
GPRS (MS-12)

■ Bands

Tri-Band UMTS/HSDPA/HSPA
850, 1900, 2100 MHz
Quad-Band GPRS/EDGE
850, 900, 1800, 1900 MHz

■ Environmental

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

■ Power Consumption (@12V DC)

Transmit/Receive (Typical/Max): 180/200 mA
Idle: 160 mA
Input Voltage: 9 - 28V DC

■ Standards/Approvals

FCC
CE (EU-SKU)
RoHS
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
Rx Diversity - 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.

SIERRA WIRELESS
AIRLINK™ RAVEN X
(HSPA NETWORKS)

Send and receive high-speed data

Network your equipment

Improve your business



AIRLINK™ RAVEN X WIRELESS DATA COMMUNICATIONS PLATFORM FOR HSPA NETWORKS

■ 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 for safe use in hazardous conditions make it equally suited for industrial use.

■ Next Generation HSPA Wireless Data

Featuring advanced processing power and expanded memory, the Raven X is optimized for high-speed cellular networks. Leveraging high-speed HSPA technology, the Sierra Wireless AirLink Raven X provides wide area wireless data access at speeds up to 7.2 Mbps downlink and 2.0 Mbps uplink. The North American model has a dual diversity antenna optimized for 850/1900 MHz, while the Europe/Asia model is optimized for 850/2100 MHz, to provide improved performance for HSPA. In areas where HSPA is not available the Raven X is backward compatible to HSDPA, 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 Device Behavior for Performance Analysis

AceView

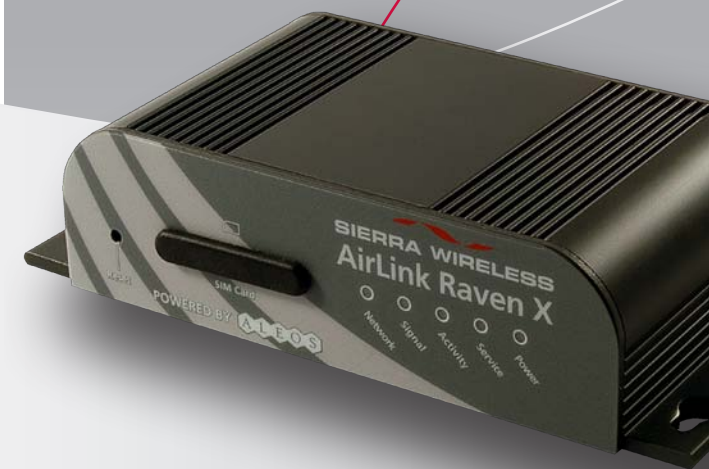
Efficient status and connection monitoring application.

- Low-Profile, Easy-To-Read, On-Screen User-Interface
- Gateway Status, Connectivity, Signal Strength

■ Sierra Wireless Reliability And Support

Since 1993, Sierra Wireless has been delivering 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



POWERED BY: ™