

AIRLINK™ RAVEN XT RUGGED INTELLIGENT WIRELESS MODEM FOR GSM NETWORKS

KEY FEATURES

■ Markets

Infrastructure
Manufacturing
Automation
Utilities
Oil and Gas
Electric

■ Product Features

Embedded Intelligence
Rugged
Machine Protocols
Status LEDs
Serial Port
USB Device 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

GPRS (MS-12 Supported)

■ Bands

Quad Band
850/1900 and 900/1800 MHz

■ Environmental

Operating Temperature:
-30° to 65° Celsius
Storage Temperature:
-40° to 85° Celsius

■ Power Consumption (@12V DC)

Transmit: 250 - 300 mA
Receive: 120 - 200 mA
Input Voltage: 9 - 28V DC
Input Current: 40 mA to 120 mA

■ Standards/Approvals

FCC
Industry Canada
Class I Div 2
RoHS
PTCRB
Carrier specific approvals

■ Host Interfaces

RS-232: DB9 (1200 – 230400 baud)
USB 2.0 (Mini-B5)
Antenna Connection: 50 Ohm SMA
2 Digital I/O

■ Dimensions

76mm x 25mm x 92mm
160 grams

■ Application Interfaces

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

■ LED Indicators

Network
Signal
Activity
Power

■ For More Information

North America and Asia

Tel: +1 510 624 4200

Fax: +1 510 624 4299

Europe

Tel: +44 20 8 622 3015

Fax: +44 20 8 622 3206

E-mail:

MobileandM2MSales@sierrawireless.com

Web site: www.sierrawireless.com

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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 XT
(GSM NETWORKS)

Access mission critical data

Control your assets in real time

Improve your business



AIRLINK™ RAVEN XT RUGGED INTELLIGENT WIRELESS MODEM FOR GSM NETWORKS

■ Rugged Intelligence

Powered by ALEOS™ technology, the longstanding industry benchmark for reliable and feature-rich intelligence, the Raven XT maintains a persistent network connection for mission critical applications. Coupled with AceWare™ tools and utilities, ALEOS lowers total cost of ownership for Raven XT customers. Remote configuration and troubleshooting virtually eliminates service calls to remote equipment, resulting in quick ROI.

■ Ideal for Industrial Applications

With a compact design, Class I Div 2 certification and vast library of telemetry protocols make the Raven XT an ideal solution for a wide range of industrial applications. The serial interface allows easy integration with a wide assortment of legacy equipment, while an exposed USB port increases flexibility, eases troubleshooting and allows for module level diagnostics. 2 Digital I/O ports enable the Raven XT to record exception based events from remote equipment.

■ 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

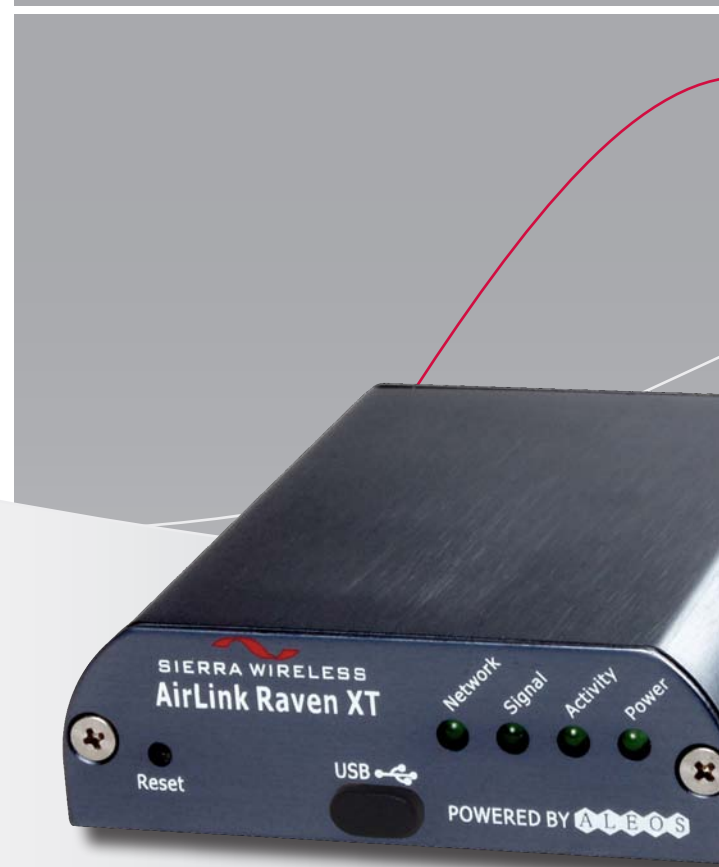
Efficient status and connection monitoring application.

- 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: ™

AIRLINK™ RAVEN XT RUGGED INTELLIGENT WIRELESS MODEM FOR CDMA NETWORKS

KEY FEATURES

■ Markets

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Remote Management and Configuration

TECHNICAL SPECIFICATIONS

■ Technology

CDMA 1xRTT
CDMA IS-95
EVDO Rev. A

■ 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: 200 - 280 mA
Receive: 160 - 180 mA
Dormant: 50 - 55 mA
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