

# AIRLINK™ RAVEN XT RUGGED INTELLIGENT WIRELESS GATEWAY 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  
Mini USB Device Port  
Class I Div 2 Certified  
1 Year Warranty

### ■ 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)  
With Fallback to:  
GSM

### ■ Bands

Quad-Band  
850/900/1800/1900 MHz

### ■ Environmental

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

### ■ Power Consumption (@12V DC)

Transmit/Receive (Typical/Max): 350/450 mA  
Idle: 104 mA  
Input Current: 40 - 120 mA  
Input Voltage: 9 - 28V DC

### ■ Standards/Approvals

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

### ■ Host Interfaces

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

### ■ Dimensions

76 mm x 27 mm x 100 mm  
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

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#### Europe

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Fax: +44 20 8 622 3206

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P/N RXTGSM 122908



## 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 XT**  
(GSM NETWORKS)

Access mission critical data

Control your assets in real time

Improve your business



# AIRLINK™ RAVEN XT RUGGED INTELLIGENT WIRELESS GATEWAY 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. Two 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 GATEWAY FOR CDMA NETWORKS

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Remote Management and Configuration

## TECHNICAL SPECIFICATIONS

### ■ Technology

CDMA EV-DO Revision A  
With Fallback to:  
CDMA 1x EV-DO Revision 0  
CDMA 1xRTT  
CDMA IS-95

### ■ Bands

800 Mhz Cellular  
1900 Mhz PCS

### ■ Environmental

Operating Temperature:  
-30° to 70° Celsius  
Storage Temperature:  
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### ■ Power Consumption (@12V DC)

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