

# AirLink<sup>®</sup> Raven X 3G Wireless Data Communications Platform

## Intensive Mobile Networking and Industrial Applications

The AirLink Raven X is equipped with a powerful processor to optimize performance on advanced broadband data networks. Remote configuration and troubleshooting capabilities virtually eliminate service calls to remote equipment, resulting in a quick return on investment.

### SECURE END-TO-END INTELLIGENCE

The Raven X is a powerful, robust wireless networking and communications platform providing real-time, two-way data exchange to support mission critical applications.

### FLEXIBLE PLATFORM FOR INDUSTRIAL AND ENTERPRISE WIRELESS APPLICATIONS

The Raven X is highly flexible device, and by leveraging its high speed Ethernet port customers can solve solutions for various enterprise applications, such as retail/POS, digital signage and router back-up. It is also ideal for a host of industrial M2M applications that need either a serial port interface or are connecting to industrial equipment with legacy machine protocols. This flexibility has made Raven X the device of choice for hundreds of enterprise and industrial customers.

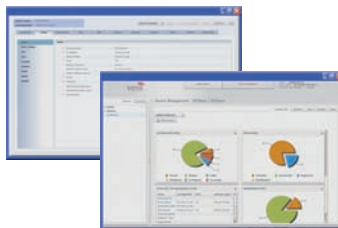
### RUGGED INTELLIGENCE

ALEOS™, the long-standing industry benchmark for embedded intelligence, powers AirLink devices, and supports 24/7 always-on availability, persistent connectivity, end-to-end security, real-time two-way data exchange, and remote device management. Designed to meet the needs of industrial M2M, enterprise solutions and mobile applications, ALEOS features embedded machine protocols, routing and location protocols. To ensure reliable, advanced security, ALEOS includes IPsec VPN and GRE tunneling.

### REMOTE MANAGEMENT

ALEOS powered devices include the AirLink suite of management tools enabling remote configuration, administration, and control of deployments of any size, from one device to thousands.

Together, ALEOS and the AirLink management tools enable customers to extend their enterprise by managing deployments from a central location, or anywhere with an Internet connection.



### KEY BENEFITS:

- Session persistence for 24/7 operation in unmanned environments
- Advanced processor optimizes performance on 3G wireless networks
- Serial and Ethernet interfaces simplify deployments and ease technology migration
- Intrinsically safe for use hazardous environments
- Machine protocols enable integration with legacy equipment



POWERED BY: 

  
SIERRA  
WIRELESS™

AirLink™

# AirLink<sup>®</sup> Raven X 3G Wireless Data Communications Platform



## Technical Specifications

### PRODUCT FEATURES

- ALEOS Embedded Intelligence
- High-Speed Processor
- Machine Protocols
- Class I Div 2 Certified
- 3 Year Warranty

### SECURITY AND INTELLIGENCE

- IPsec VPN
- GRE Tunneling
- Events Reporting Engine
- Routing Protocols
- Highly Configurable

### TECHNOLOGY

- HSUPA with fallback to:  
HSDPA, UMTS, EDGE, GPRS,  
GSM
- or
- EV-DO Rev. A with fallback to:  
CDMA 1x, CDMA 1xRTT, CDMA  
IS-95

### BANDS

- Tri-Band UMTS/HSDPA/HSUPA  
850, 1900, 2100 MHz
- Quad-Band GPRS/EDGE  
850, 900, 1800, 1900 MHz
- or
- Dual-Band EV-DO Rev. A  
800, 1900 MHz

### ENVIRONMENTAL

- Operating Temperature:  
-30° to +70°C / -22° to +158°F
- Storage Temperature:  
-40° to +85°C / -40° to +185°F

### DIMENSIONS

- 143 mm x 37 mm x 75 mm  
5.6 in x 1.5 in x 3.0 in
- 317 grams  
11.2 oz

### STANDARDS/APPROVALS

- FCC
- Industry Canada
- Class I Div 2
- RoHS
- Carrier Specific Approvals
- A-Tick

### HOST INTERFACES

- Ethernet: 10/100 Mbps RJ-45
- RS-232: DB9 DCE  
(300-230400 baud)
- Antenna Connections:  
Cellular - 50 Ohm SMA  
Receive Diversity - 50 Ohm SMA

### APPLICATION INTERFACES

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

### LED INDICATORS

- Network
- Signal
- Activity
- Service
- Power



### APPLICATIONS:

- Primary/Backup Internet Connection
- Advertising
- Streaming Media
- Video Surveillance
- Point-of-Sale
- Vending/Kiosks
- Remote Monitoring and Control
- Utilities

