

AirLink™ Raven X Wireless Data Communications Platform

3G-Optimized for Today's Data Intensive Mobile Networking and Industrial Applications

The AirLink™ Raven X is equipped with a powerful processor and embedded ALEOS™ intelligence to optimize performance on advanced broadband data networks.

SECURE END-TO-END INTELLIGENCE

Powered by ALEOS™ technology, the long-standing industry benchmark for reliable and feature-rich 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.

The advanced Raven X communications gateway also offers customers simplified installation and provisioning, persistent connection maintenance and remote management and control through the comprehensive set of AirLink Software tools.

ALEOS embedded intelligence provides foundational support for any unmanned operation, such as persistent connection, 24/7 always-on availability, and remote management. ALEOS is also specifically designed to meet the needs of industrial M2M and enterprise solutions, with embedded machine protocols, PAD mode support, security and routing protocols.

FLEXIBLE PLATFORM FOR INDUSTRIAL AND ENTERPRISE WIRELESS APPLICATIONS

The Raven X is highly flexible device, and by leveraging its high speed Ethernet port 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.



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: ALEOS



AirLink™

AirLink™ Raven X

Wireless Data Communications Platform

Technical Specifications

PRODUCT FEATURES

- 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

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

BANDS

- Tri-Band UMTS/HSDPA/HSPA
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

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

