

AirLink™ Raven XT

Rugged, Intelligent Wireless Gateway

Persistent Communication for Mission Critical Applications

The AirLink™ Raven XT is built on a powerful platform for reliable data solutions for critical infrastructure monitoring and energy management applications. Remote configuration and troubleshooting capabilities virtually eliminate service calls to remote equipment, resulting in a quick return on investment.

RUGGED DESIGN

With a rugged design, Class I Div 2 compliance, and vast library of telemetry protocols, the Raven XT is an ideal solution for a wide range of industrial applications. Its sleek, compact form factor, increases its versatility and ability to be integrated within existing infrastructure and enclosures. 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 enhanced diagnostics.

EXCEPTION BASED EVENTS REPORTING

The Raven XT is embedded with a sophisticated exception based events reporting engine. By utilizing an intuitive user interface, an administrator can select what data to collect, when to collect it, and how to have the information delivered. This advanced capability ensures time-sensitive information is presented in the right place, at the precise time needed for better decision making and overall system efficiency.

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:

- Persistent network connectivity for uninterrupted, bi-directional communications
- Advanced processor for optimized performance on 3G wireless networks
- Rugged design for use in extreme conditions
- Compact form factor for easy installation
- Highly configurable real-time exception based reporting



POWERED BY: ALEOS



AirLink™

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Technical Specifications

PRODUCT FEATURES

- ALEOS Embedded Intelligence
- Rugged Aluminum Case
- Machine Protocols
- Status LEDs
- Serial Port
- Mini USB Device Port
- Class I Div 2 Compliant
- 1 Year Warranty

SECURITY AND INTELLIGENCE

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

TECHNOLOGY

- GPRS (MS-12) with fallback to: GSM
- or
- EV-DO Rev. A with fallback to: CDMA 1x Rev. 0, CDMA 1xRTT, CDMA IS-95

BANDS

- Quad-Band GSM
850, 900, 1800, 1900 MHz
- or
- Dual-Band EV-DO Rev. A
800, 1900 MHz

ENVIRONMENTAL

- Operating temperature range:
-30°C to +65°C / -22°F to +149°F
- Storage temperature:
-40°C to +85°C / -40°F to +185°F

DIMENSIONS

- 76 mm x 27 mm x 100 mm
3.0 in x 1.1 in x 3.9 in
- 160 grams
5.6 oz

STANDARDS/APPROVALS

- FCC
- Industry Canada
- RoHS
- PTCRB
- 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

APPLICATION INTERFACES

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

LED INDICATORS

- Network
- Signal
- Activity
- Power



APPLICATIONS:

- Oil and Gas
- Electric
- Water/Waste Water
- Homeland Security
- Intelligent Traffic Systems
- Wireless ATMs
- SCADA/Telemetry

