

> APPLICATIONS

PUBLIC SAFETY

- Police and Fire Communications
- Emergency Medical Service
- Homeland Security Applications
- Mobile Command Centers
- Private/Corporate Security

UTILITIES

- Natural Gas Wellhead Monitoring
- Transmission Line Flow Meters
- Energy Management Systems
- Capacitor Bank Control

FIELD FORCE AUTOMATION

- Power Utilities
- Water and Sewer
- Cable and Communications
- Heating and Air Conditioning

TRANSPORTATION

- Traffic Measurement
- Traffic Control
- Variable Message Signs

FINANCIAL

- Automated Teller Machines
- Point-of-Sale Machines
- Lottery Machines

> APPLICATION INTERFACES

Standard interfaces include:

- AT command set.
- Host TCP/IP stack communicates with Raven via PPP.
- Windows 95/98/2000/NT/XP Dial Up Networking communicates with Raven using PPP.

> SPECIAL FEATURES

- Class 1 Div 2 certified
- Reliable and ubiquitous data transfer
- Full duplex transceiver
- Low power consumption
- Proven technology
- Compact size
- Rugged aluminum case
- LEDs show status of network operation
- Optional mounting brackets

A PROVEN SOLUTION

For over a decade, AirLink Communications has been providing reliable solutions for the wireless data markets, including applications for M2M, SCADA, Telemetry, POS, Mobile Data, Public Safety, Security, and many more. The Raven iDen is the premiere iDen/WiDen device of choice. Powered by the AirLink Embedded Operating System (ALEOS), the Raven's robust set of features were specifically designed for complex mobile data and remote management applications.



FEATURES AND FLEXIBILITY

With support for iDen and WiDen high-speed data connectivity and SMS, the Raven is a powerful and flexible device that serves all your wireless data needs. The Raven WiDen can be used in many different ways:

Internet Addressing

- Supports Public Static IP address service allowing your device to be easily reached from anywhere
- Dynamic DNS support allows for device management by user-provided domain

Firmware Upgradeable to the High-Speed WiDen Network

- Raven iDen units are upgradeable to WiDen using a simple firmware upgrade

Reliable and ubiquitous iDen/WiDen Data Connections

- Rugged device for mobile data connections
- Reliable connectivity for any PC or handheld
- Backup network connectivity for routers and servers

Remote Data Acquisition Connections

- TCP/UDP/Telnet Serial Device Server
- Embedded applications for SCADA/Telemetry
- Support for standard and custom serial data protocols including Modbus ASCII, RTU, BSAP, and more.

SMS (Short Message Service) applications

- Easy-to-use interface to the iDen/WiDen SMS network
- Software selectable between SMS and IP packet
- Open interface for application developers



> MODULE SPECIFICATIONS

PHYSICAL CHARACTERISTICS:

- Weight: < 1 lb.
- Size: 3" wide x 1.1" high x 5.1" long
- Status LEDs
- RF Antenna Connector: 50 Ohm TNC
- Serial Interface: RS232 DB-9F/1200-230400 bps

ENVIRONMENTAL:

- Intrinsically Safe - Class 1 Div 2 certified
- Operating ranges: -30°C to +70°C
(10% duty cycle limit above 60°C)
- Humidity: 5%-95% Non-condensing

RF FEATURES:

- Network: 800 MHz iDen
- Transmit Frequency:
806-825 MHz and 896-902 MHz
- Transmit power range at antenna port:
600mw nominal, Pulse average power
- Receiver Frequency:
851-870 MHz and 935-941 MHz

POWER MANAGEMENT FEATURES:

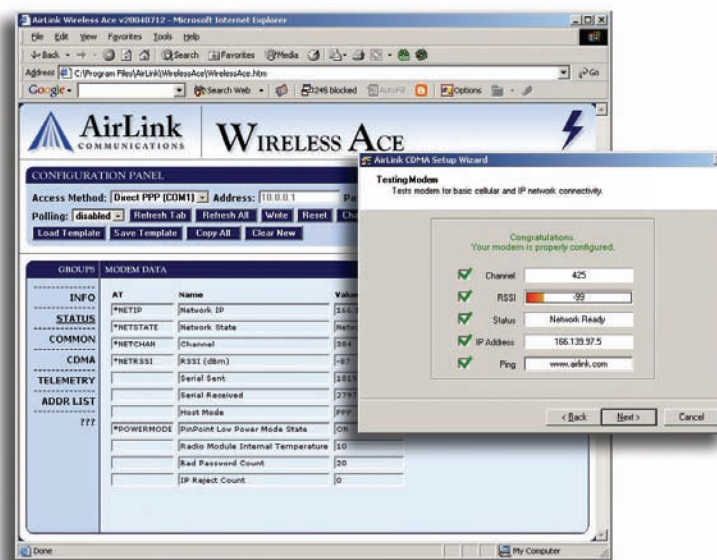
- Input Voltage: 9 VDC to 28 VDC
- Input Current: 30 mA to 450 mA
- Typical Receive: 350 mA at 12 VDC
- Typical Transmit: 450 mA at 12 VDC
- Typical Idle Current: 30 mA

WIRELESS ACE

Wireless ACE is a browser-based graphical user interface for configuring and monitoring your intelligent AirLink wireless data platform.

Tens of thousands of AirLink Ravens are currently installed enabling two-way communications with remote assets across many industries. Using Wireless ACE, support personnel can access an AirLink Raven from anywhere at any time to see how it is operating or to change parameter settings.

The unique capabilities of Wireless ACE reduce the overall deployment and support costs throughout the life cycle of a communications project.



ACE templates enable efficient programming of Ravens for large-scale deployments

ABOUT AIRLINK

AirLink Communications, Inc., founded in 1993, delivers wireless data solutions that enable pervasive connectivity to fixed and mobile assets. The company's continued industry leadership is based on its reputation for making complex wireless data solutions work. AirLink proactively designs and commercializes products based on a clear understanding of evolving customer needs. The company maintains strong working relationships with carriers, dealers and solutions providers. Its devices are broadly certified on all major wireless networks in North America. AirLink's multi-tiered product suite includes both hardware and comprehensive software.