AirLink™ MP890
Ultra-Rugged, In-Vehicle Gateway

Always-On 3G Connectivity with Hot-Spot

The AirLink™ MP890 is the leader in rugged, in-vehicle gateways, providing steadfast access to critical data. Law Enforcement officers, first responders and field service technicians use the MP890 to access databases, communicate with dispatchers, and complete paperwork while in the field.

RUGGED DESIGN

The ruggedized design of the MP890 is ideal for critical applications under harsh environments. This device is built to withstand extreme temperatures and meet U.S. Military and SAE specifications for vibration, shock, drop, rain/splash, humidity, sand/dust and salt/fog. The MP890 is proven to withstand these harsh environments and has been put to the test by being deployed successfully in hundreds of public safety organizations.

INTELLIGENCE AND MANAGEMENT

Powered by ALEOS™ technology, the long-standing industry benchmark for reliable and feature-rich intelligence, the MP890 features embedded location protocols and application services, ease of integration and advanced data security. With the ALEOS Events Reporting Engine, the MP890 reports real-time status and actionable event notifications, to ensure time-sensitive information is presented in the right place, at the precise time needed for better decision making and overall system efficiency.

The MP890 is supported by the AirLink Software Suite for comprehensive configuration, control and remote management. Tightly integrated with ALEOS, the AirLink Software Suite enables customers to extend their enterprise by managing their deployment from one central location, or anywhere with an internet connection.

WI-FI ACCESS POINT OPTION

To offer enhanced versatility, the MP890 has optional embedded Mobile Wi-Fi Access Point capabilities. The 802.11 b/g AP radio allows 10 Wi-Fi enabled device connections to the MP890, creating a mobile hotspot for field service and first responders. The Mobile Wireless Access Point has built-in Wi-Fi security features, including WPA2ENT, which can be configured to simplify installation by eliminating cabling for an in-vehicle laptop installation.

KEY BENEFITS:

- The industry standard for wireless vehicle-mount gateways
- Ruggedized design for mission critical applications
- Wireless mobile access point option for Wi-Fi capabilities
- Built to handle stressful environments
- I/O functionality to allow automatic event reporting through triggers

POWERED BY: ALEOS™

SIERRA WIRELESS™ | AirLink™

Technical Specifications

PRODUCT FEATURES

- Ultra-Rugged by Design
- Enhanced Security
- Mobile Access Point (Optional)
- Events Reporting Engine
- Operates in Extreme Conditions

WI-FI FEATURES OPTION

- Wi-Fi 802.11 b/g (2.4 GHz) Wireless Access Point Capability
- Simultaneous Ethernet and Wi-Fi LANs Enabled Routing Capability Over Wi-Fi and Ethernet Networks
- WAP Security Protocols (WEP/WPA/WPA2)

GPS TECHNOLOGY

- Time to First Fix: 39 sec
- Horizontal Accuracy: < 3 meters 50% CEP

TECHNOLOGY

- HSUPA with fallback to:
    - HSDPA
    - UMTS
    - EDGE
    - GPRS

ENVIRONMENTAL

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

DIMENSIONS

- 176 mm x 49 mm x 138 mm 6.9 in x 1.9 in x 5.4 in
- 900 grams 31.7 oz

BANDS

- Tri-Band UMTS/HSDPA/HSUPA 850, 1900, 2100 MHz
- Quad-Band GPRS/EDGE 850, 900, 1800, 1900 MHz

STANDARDS/APPROVALS

- FCC
- Industry Canada
- RoHS
- Mil Spec 810F and SAE J1455 (Vibrations, Shock, Drop, Humidity, Splash)
- SAE J1113-13 (ESD)
- PTCRB
- CE

HOST INTERFACES

- Ethernet: 10/100 Mbps RJ-45
- USB Type B, USB 1.1/2.0 compliant
- Serial: DB9
- I/O: High-density DB15
- Antenna Connections:
    - Primary – TNC
    - Receive Diversity – SMA
    - GPS - SMA
    - WLAN - RP SMA

APPLICATION INTERFACES

- TCP/IP, UDP/IP, DHCP, HTTP, NMEA, TAIP, GPS, Wi-Fi - SMA

LED INDICATORS

- Power
- Transmit
- Receive
- GPS

APPLICATIONS:

- Public Safety
- Law Enforcement
- Fire and Rescue
- EMS
- Mobile Office
- Field Service Transportation

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