AirLink™ MP Ultra-Rugged, In-Vehicle Gateway

Always-On 3G Connectivity with Hot-Spot Option

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

RUGGED DESIGN

The ruggedized design of the MP is ideal for critical applications under harsh environments. This device is built to withstand extreme temperatures and meet U.S. Military specifications for vibration, shock, drop, rain/splash, humidity, sand/dust, and salt/fog. The MP withstands harsh environments and has been put to the test in hundreds of public safety agencies.

WI-FI ACCESS POINT OPTION

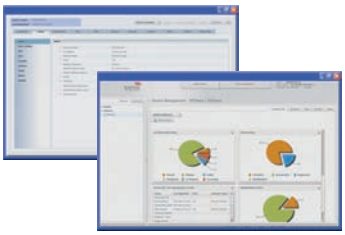
To offer enhanced versatility, the MP has optional embedded Mobile Wi-Fi Access Point capabilities. The 802.11 b/g AP radio allows 10 Wi-Fi enabled device connections to the MP, creating a mobile hotspot for field service and first responders. The Mobile Wireless Access Point has built-in Wi-Fi security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

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:

- 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™

AirLink™ MP Ultra-Rugged, In-Vehicle Gateway

Technical Specifications

PRODUCT FEATURES
- ALEOS Embedded Intelligence
- Ultra-Rugged by Design
- Enhanced Security
- Mobile Access Point (Optional)
- Events Reporting Engine
- Operates in Extreme Conditions
- 3 Year Warranty

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
- Multiple GPS Engines (MP597 only)

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

or
- EV-DO Rev. A with fallback to: CDMA EV-DO Rev. 0, CDMA 1xRTT

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

or
- Quad-Band UMTS 850, 900, 1900, 2100 MHz

or
- Dual-Band EV-DO Rev. A 800, 1900 MHz

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 7.0 in x 2.0 in x 5.5 in
- 900 grams 31.8 oz

STANDARDS/APPROVALS
- FCC
- Industry Canada
- RoHS
- Mil Spec 810F (Vibrations, Shock, Drop, Humidity, Splash)
- SAE J1113-13 (ESD)
- PTCRB (MP890)
- CE (MP890)

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

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

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

LED INDICATORS
- Power
- Transmit
- Receive
- GPS

SIERRA WIRELESS™ | AirLink™