

# AirLink™ MP597

## Ultra-Rugged, In-Vehicle Gateway

### Always-On 3G Connectivity with Hot-Spot

The AirLink™ MP597 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 MP597 to access databases, communicate with dispatchers, and complete paperwork while in the field.

#### RUGGED DESIGN

The ruggedized design of the MP597 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 MP597 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 MP597 features embedded location protocols and application services, ease of integration and advanced data security. With the ALEOS Events Reporting Engine, the MP597 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 MP597 is supported by the AirLink Software Suite for comprehensive configuration, control and remote management. Tightly integrated with ALEOS, the 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 MP597 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 MP597, 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



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## Ultra-Rugged, In-Vehicle Gateway

### 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, WPA2ENT)

#### GPS TECHNOLOGY

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

#### TECHNOLOGY

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

#### 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

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

#### STANDARDS/APPROVALS

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

#### 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

