

# AIRLINK™ MP 890 ULTRA-RUGGED IN-VEHICLE GATEWAY FOR HSPA NETWORKS

## KEY FEATURES

### ■ Product Benefits

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

### ■ WiFi 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)

## TECHNICAL SPECIFICATIONS

### ■ Technology

Embedded HSPA 3G Module  
(with fallback to earlier technologies)

### ■ Environmental

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

### ■ Dimensions

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

### ■ Standards/Approvals

FCC  
Industry Canada  
RoHS  
Mil Spec 810F and SAE J1455 (Vibrations, Shock, Drop, Humidity)  
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 Connection:  
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



## Reliability and Support

Since 1993, Sierra Wireless has been delivering high quality data products backed by a dedicated field and call center support team. The AirLink brand stands for reliable, intelligent data devices that enhance operations while reducing costs and increasing revenues.

## SIERRA WIRELESS, CONNECTING PEOPLE AND SYSTEMS TO MOBILE BROADBAND NETWORKS AROUND THE WORLD

Sierra Wireless products connect people and machines to wireless networks around the world. We offer an advanced, comprehensive product line, addressing consumer, enterprise, original equipment manufacturer, and specialized vertical industry markets. Our solutions are used for mobile computing, transportation, industrial M2M (machine-to-machine), enterprise, residential and consumer communications applications. We also provide professional services to customers requiring expertise in wireless design, integration, and carrier certification.

For more information, please visit our website, [www.sierrawireless.com](http://www.sierrawireless.com).

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P/N MP890HSPA 101409



## AIRLINK™ MP 890 (HSPA NETWORKS)

## Ultra-Rugged In-Vehicle Platform

Enhanced response time

Advanced intelligence and management

Mobile access point option



# AIRLINK™ MP 890 ULTRA-RUGGED IN-VEHICLE GATEWAY FOR HSPA NETWORKS

## ■ Industry Leader

Police officers use the Sierra Wireless MP when patrolling communities to access databases or communicate with dispatchers. Field service technicians use the MP's reliable wireless capabilities to complete their work orders, retrieve customer information, and receive scheduled tasks. Sierra Wireless AirLink MP is the leader in rugged in-vehicle gateways.

## ■ Rugged Design

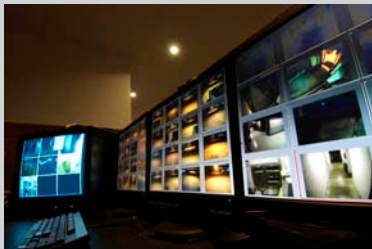
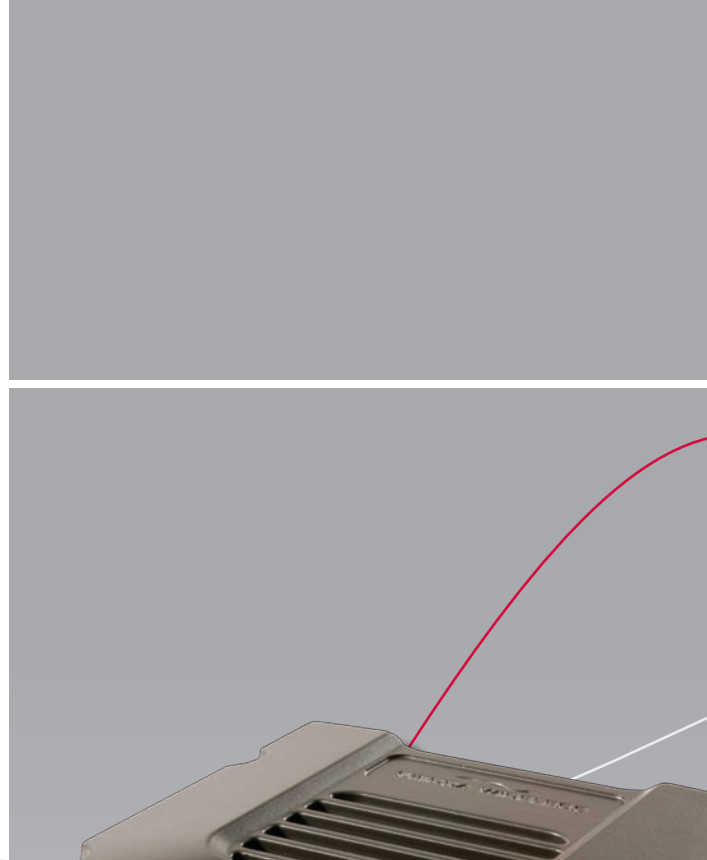
The ruggedized design of the MP 890 is ideal for critical applications under harsh environments. This device is built to withstand extreme temperatures and meet US Military and SAE specifications for vibration, shock, drop, rain/splash, humidity, sand/ dust, and salt fog. The MP 890 is proven to withstand these harsh environments and is versatile enough to be deployed in industrial applications and in watercraft.

## ■ Wi-Fi Access Point Option

To offer enhanced versatility, the MP 890 now has optional embedded Wi-Fi Wireless Access Point capabilities. The 802.11 b/g AP radio allows 10 Wi-Fi enabled device connections to the MP 890 offering a mobile WLAN network. The Wireless Mobile Access Point has built-in Wi-Fi security features and can be configured to simplify installation, by eliminating cabling for an in-vehicle laptop installation.

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

- 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
- GPS MODULE PROVIDES ACCURATE POSITION AND VELOCITY TRACKING



## ACEware™ Device Management

The Sierra Wireless suite of tools and utilities, leveraging the intelligence of ALEOS. ACEware simplifies deployment as well as remote monitoring, control and management of the entire wireless solution.

## ALEOS Intelligence

Embedded Technology from Sierra Wireless

### KEY BENEFITS

- Simplifies Installation and maintenance
- Persistent network connectivity
- Real-Time Notification
- Over-The-Air (OTA) Upgrades
- Device Management & Control

The ACEware suite of device management tools include:

**ACEmanager** - Remote device monitoring and configuration tool.

**ACEnet** - Enterprise-grade device management application.

**ACEview** - Efficient status and connection monitoring application.



\* For more information on ALEOS and ACEware, please reference the ALEOS datasheet

POWERED BY: 