

AIRLINK™ MP 595W GPS RUGGEDIZED IN-VEHICLE GATEWAY AND MOBILE HOTSPOT FOR EV-DO REV A NETWORKS

KEY FEATURES

■ Markets

Law Enforcement
Emergency Response
EMS
Mobile Data
Field Service

■ Product Features

Mil Spec and SAE Certified
802.11 b/g
GPS Receiver
Multiple Interfaces
I/O Ports
3 Year Warranty

■ Product Benefits

Ultra Rugged
Mobile Hotspot
Extensive Vehicle Telemetry
Remote Management

TECHNICAL SPECIFICATIONS

■ Technology

CDMA EV-DO Revision A
With Fallback to:
CDMA EV-DO (Release 0)
CDMA 1X RTT
CDMA IS-95

■ Bands

800 MHz Cellular
1900 MHz PCS

■ Environmental Range

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

■ Power Consumption

Transmit/Receive (Typical/Max):
215/250 mA
Idle: 2 mA
Input Voltage: 9-36 V DC

■ Dimensions

176mm x 49mm x 138mm
900 grams

■ Standards/Approvals

FCC
Industry Canada
RoHS
Mil Spec and SAE Certified (Vibration,
Shock, Drop, Humidity, Rain/Splash,
Sand/Dust, Salt Fog, ESD)

■ Wi-Fi Features

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)

■ 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

■ For More Information

North America and Asia

Tel: +1 510 624 4200
Fax: +1 510 624 4299

Europe

Tel: +44 20 8 622 3015
Fax: +44 20 8 622 3206

E-mail:

MobileandM2MSales@sierrawireless.com

Web site: www.sierrawireless.com

Sierra Wireless, the Sierra Wireless logo, the red wave design and AirLink are trademarks of Sierra Wireless. Heart of the Wireless Machine and AirLink are registered trademarks of Sierra Wireless. Other registered trademarks that appear on this package are the property of the respective owners.

© 2009 Sierra Wireless, Inc.
P/N 595W 030509



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

Sierra Wireless modems and software connect people all over the world with mobile broadband networks that keep them in touch, informed, and productive from wherever they need to be. The Company offers a diverse product portfolio addressing enterprise, consumer, original equipment manufacturer, machine-to-machine, and specialized vertical industry markets. Sierra Wireless also provides professional services to customers requiring expertise in wireless design, integration, and carrier certification.

For more information, please visit our website, www.sierrawireless.com.

SIERRA WIRELESS
AIRLINK™ MP 595W GPS
(EV-DO REVISION A NETWORKS)

Create a mobile hotspot

Enhance your response time

Save lives and make a difference



AIRLINK™ MP 595W GPS RUGGEDIZED IN-VEHICLE GATEWAY AND MOBILE HOTSPOT FOR EV-DO REV A NETWORKS

■ Industry Leader

Sierra Wireless is the leader in rugged in-vehicle gateways. When police officers patrol the communities, they use Sierra Wireless MP wireless devices 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. The ruggedized design of the MP 595W GPS is ideal for these and other demanding applications.

■ Rugged Design

As well as operating in extreme temperatures (-30°C to +70°C), the MP 595W GPS wireless gateways meet US Military and SAE (Society of Automotive Engineers) specifications for vibration, shock, drop, rain/splash, humidity, sand/dust, and salt fog. The MP 595W GPS is proven to withstand these harsh environments and is versatile enough to be deployed in industrial applications and in water craft.

■ Wireless Mobility

Operating on CDMA 1xEV-DO Rev. A networks, the MP 595W GPS provides high-speed wireless data connectivity at peak download speeds of 3.1 Mbps and peak upload speeds of 1.8 Mbps. The MP 595W GPS is also backwards compatible to EV-DO Revision 0, CDMA 1x and IS95-A networks. If an EV-DO Rev. A network is not readily available, the MP 595W GPS will connect to the fastest available CDMA network in your area to keep you connected.

■ Wi-Fi Access Point

To offer enhanced versatility, the MP 595W now has embedded Wi-Fi Wireless Access Point capabilities. The 802.11 b/g AP radio allows 10 Wi-Fi enabled device connections to the MP 595W offering a mobile WLAN network. The Wireless Access Point has included Wi-Fi security features and can be configured to make installation easy, by eliminating the need for any cabling for a laptop installation in vehicle.

■ Fleet Management

The MP 595W GPS comes with Watcher™ software for unit configuration and provisioning as well as local connection monitoring. In addition, customers can request MP Modem Manager, a feature rich, server-based diagnostic software management tool allowing your network administrator remote monitoring and configuration of your entire MP fleet.

The primary benefits of MP Modem Manager are:

- Organization of MP devices into customized groups for easy viewing
- Over-the-air updates for firmware, GPS configurations, and AT commands
- Obtaining detailed logs remotely

■ Sierra Wireless Reliability and Support

Since 1993, Sierra Wireless has been delivering high quality data products backed by a dedicated field and call center support team. For customers, the AirLink™ brand means reliable, intelligent data devices that enable enterprise customers to enhance their operations while reducing costs and increasing revenues.

Applications	
✓	Public Safety
✓	Law Enforcement
✓	Fire and Rescue
✓	Field Force Automation
✓	Mobile Office
✓	GPS Location



- WI-FI CAPABILITY FOR CORDLESS CONNECTION WITH PERIPHERALS
- THE INDUSTRY STANDARD FOR RUGGEDIZED WIRELESS VEHICLE-MOUNT GATEWAYS
- BUILT TO HANDLE STRESSFUL ENVIRONMENTS
- HIGH-SPEED DATA CONNECTIONS WITH PEAK DOWNLINK OF 3.1 MBPS
- I/O FUNCTIONALITY WITH TRIGGERS
- GPS MODULE PROVIDES ACCURATE POSITION AND VELOCITY TRACKING