

AIRLINK™ MP 880W AND 881W GPS RUGGEDIZED IN-VEHICLE GATEWAY AND MOBILE HOTSPOT FOR HSPA NETWORKS

KEY FEATURES

■ Markets

Law Enforcement
Emergency Response
EMS
Mobile Data
Field Service

■ Product Features

Mil Spec and SAE Certified
802.11 b/g
12 Channel GPS
Multiple Interfaces
I/O Ports

■ Product Benefits

Ultra Rugged
Mobile Hotspot
Extensive Vehicle Telemetry
Remote Management

TECHNICAL SPECIFICATIONS

■ Technology

HSPA
With Fallback to:
HSDPA
UMTS
EDGE
GPRS (MS-12)

■ Bands

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

■ Environmental Range

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

■ Power Consumption

Transmit/Receive (Typical/Max):
235/250 mA
Idle: 2mA
Input Voltage: 9-36 V DC

■ Dimensions

176mm x 49mm X 138mm
900 grams

■ Standards/Approvals

FCC
Industry Canada
PTCRB
CE EU
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 Interface

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

■ Application Interfaces

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

■ LED Indicators:

Power
Transmit
Receive
GPS

■ For More Information

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CONNECTING PEOPLE AND SYSTEMS TO MOBILE BROADBAND NETWORKS AROUND THE WORLD

Sierra Wireless is a recognized industry leader in developing wireless data products and enabling software. 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 880W & MP 881W GPS
(HSPA NETWORK)

Create a mobile hotspot

Enhance your response time

Save lives, make a difference



AIRLINK™ MP 880W AND 881W GPS RUGGEDIZED IN-VEHICLE GATEWAY AND MOBILE HOTSPOT FOR HSUPA NETWORKS

■ Industry Leader

Sierra Wireless is the leader in rugged in-vehicle gateways. When police officers patrol the communities they serve, 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 is ideal for these and other demanding applications.

■ Rugged Design

As well as operating in extreme temperatures (-30°C to +70°C), the MP 880W and 881W 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 880W and 881W are proven to withstand these harsh environments and is versatile enough to be deployed in industrial applications and in water craft.

■ Global Mobility

The MP 880W and 881W GPS provide true global wireless data connectivity. The devices operate on HSUPA networks at peak download speeds of 7.2 Mbps but are backwards compatible to UMTS, EDGE and GPRS networks. If an HSUPA network is not readily available, the MP 880W and 881W GPS will connect to the fastest available GSM network in your area to keep you connected. The MP880 offers receive diversity for improved fringe performance in Europe and Asia, while MP881 offers receive diversity for improved fringe performance on North American networks.

- 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 7.2 MBPS
- I/O FUNCTIONALITY WITH TRIGGERS
- GPS MODULE PROVIDES ACCURATE POSITION AND VELOCITY TRACKING

■ Wi-Fi Access Point

To offer enhanced versatility, the MP 880W and 881W now have embedded Wi-Fi Wireless Access Point capabilities. The 802.11 b/g AP radio allows 10 Wi-Fi enabled device connection to the MP 880W and 881W offer 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 880W and 881W come with Watcher™ software that allows you to easily monitor and manage data connections for a single unit. MP Modem Manager – a feature rich, server-based diagnostic software management tool allowing your network administrator remote monitoring and configuration of your 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

