

AIRLINK™ MP 875 GPS RUGGEDIZED WIRELESS IN-VEHICLE MODEM FOR HSDPA NETWORKS

MP 875 GPS

Technical Specifications

Physical Features

Serial, USB and Ethernet host connectors
GPS receiver
4 Digital Input/Outputs and 4 Analog Inputs for advanced tracking and alarms
RF antenna connector (TNC)
GPS antenna connector (SMA)
Reset button
4 status LEDs

Environmental Features

Operating temperature range:
-30C to +70C
(-22F to +158F)
Storage temperature:
-40° to +85° C
(-40° to +185° F)
Vibration: MIL 202G, 810F, and SAE J1455
Shock: MIL 202G, 810F, and SAE J1455
Drop: MIL 810F and SAE J1455
Humidity: 95% RH non-condensing
Rain/Splash: MIL 810F, SAE J1455
Sand/Dust: MIL 810F
Salt Fog: MIL 810F
ESD: +/- 6 kV contact

Rf Features

HSDPA/UMTS:
Tri-band (850/1900/2100 MHz)
- 3.6 Mbps HSPDA peak
Quad-band (850/900/1800/1900 MHz)
Class 12 EDGE and GPRS

Transmit

WCDMA 2100: 1920 to 1980 MHz
WCDMA1900: 1850 to 1910 MHz
WCDMA850: 824 to 984 MHz
GSM1900: 1850 to 1910 MHz
GSM1800: 1710 to 1785 MHz
GSM900: 880 to 915 MHz
GSM850: 824 to 849 MHz

Receive

WCDMA 2100: 2110 to 2170 MHz
WCDMA1900: 1930 to 1990 MHz
WCDMA850: 869 to 894 MHz
GSM1900: 1930 to 1990 MHz
GSM1800: 1805 to 1880 MHz
GSM900: 925 to 960 MHz
GSM850: 869 to 894 MHz

Operating System Support

Notebooks: Windows® Vista, XP, and 2000

Voltage Range

9 to 36 Vdc
Designed for 12 volt and 24 volt automotive systems

Approvals:

FCC, Industry Canada, PTCRB, EU RoHS

Software:

Sierra Wireless Watcher (local)
Sierra Wireless MP Modem Manager (remote)

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 MP 875 GPS

Access the data.

Enhance your response time.

Save lives, make a difference.



MP 875 GPS RUGGEDIZED WIRELESS IN-VEHICLE MODEM FOR HSDPA NETWORKS

■ Industry Leader

Sierra Wireless is the leader in rugged modem in-vehicle applications. When police officers cruise the streets, they use Sierra Wireless MP wireless modems 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 875 GPS is ideal for these and other demanding applications.

■ Rugged Design

As well as operating in extreme temperatures (-22F to +158F), the MP 875 GPS wireless modem meets US Military and SAE (Society of Automotive Engineers) specifications for vibration, shock, drop, rain/splash, humidity, sand/dust, and salt fog. The MP 875 GPS is proven to withstand these harsh environments and is versatile enough to be deployed in industrial applications and in water craft.

■ Global Mobility

The MP 875 GPS provides true global wireless data connectivity. The MP 875 GPS operates on HSDPA networks at peak download speeds of 3.6 Mbps but is backwards compatible to UMTS, EDGE and GPRS networks. If an HSDPA network is not readily available, the MP 875 GPS will connect to the fastest available GSM network in your area to keep you connected.

■ Functionality

Tri-band (850/1900/2100 MHz)
HSDPA/UMTS
Quad-band (850/900/1800/1900 MHz)
Class 12 EDGE and GPRS
Serial, USB and Ethernet host connection
Integrated GPS Receiver
(TAIP and NMEA)
4 Digital and 4 Analog Input/Outputs for advanced tracking and alarms
Remote field management and firmware upgradeable

■ GPS Performance

The MP 875 GPS includes an embedded, high performance 12 channel Trimble GPS module. With the Trimble GPS module, users can expect accurate reporting of position and velocity with ultra-low power consumption. In addition, the module determines positional fix in just forty seconds in the case of a cold start.

■ Technical Support & Warranty

Sierra Wireless provides a three-year platinum warranty and world-class technical support.

■ Fleet Management

The MP 875 GPS comes with Watcher™ software that allows you to easily monitor and manage data connections for a single modem. MP Modem Manager – a feature rich, server-based diagnostic software management tool allowing your network administrator remote monitoring and configuration of your MP modem fleet.

The primary benefits of MP Modem Manager are:

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

See www.sierrawireless.com/product/mpmanager.aspx for full details.

Sierra Wireless is your only source for wireless data. Go Wireless. Get connected.

- THE INDUSTRY STANDARD FOR RUGGEDIZED WIRELESS VEHICLE-MOUNT MODEMS.
- BUILT TO HANDLE STRESSFUL ENVIRONMENTS.
- HIGH-SPEED DATA CONNECTIONS WITH PEAK DOWNLINK OF 3.6 MBPS.
- I/O FUNCTIONALITY WITH TRIGGERS.
- GPS MODULE PROVIDES ACCURATE POSITION AND VELOCITY TRACKING.

