

MP 595 GPS

RUGGEDIZED WIRELESS IN-VEHICLE MODEM FOR EV-DO REV A 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 595 GPS is ideal for these and other demanding applications.

RUGGED DESIGN

As well as operating in extreme temperatures (-40F to +158F), the MP 595 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 595 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 Revision A networks, the MP 595 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 595 GPS is also backwards compatible to 1xEV-DO Release 0, CDMA 1x and IS95-A networks. If an EV-DO Rev A network is not readily available, the MP 595 GPS will connect to the fastest available CDMA network in your area to keep you connected.

FUNCTIONALITY

- Nationwide CDMA EV-DO Revision A, Release 0, 1x, and IS95-A network compatibility
- Dual-band 800/1900 MHz operation with Rx diversity support
- Serial, USB and Ethernet host connection
- Integrated 12 channel GPS (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 595 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. Two additional years of extended warranty coverage are also available.

FLEET MANAGEMENT

The MP 595 GPS comes with Watcher™ software that allows you to easily monitor and manage data connections for a single modem. New from Sierra Wireless is 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 3.1 Mbps**
- **I/O FUNCTIONALITY WITH TRIGGERS**
- **GPS MODULE PROVIDES ACCURATE POSITION AND VELOCITY TRACKING**



Access the data.

Enhance your response time.

Save lives and make a difference.

MP 595 GPS

TECHNICAL SPECIFICATIONS

PHYSICAL FEATURES:

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

ENVIRONMENTAL FEATURES:

Operating temperature range: -40C to +70C
(-40F 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

NETWORK SUPPORT:

Dual-band (800/1900 MHz)
CDMA 1xEV-DO Revision A (IS-856-A)
CDMA 1xEV-DO Release 0 (IS-856)
CDMA 1x (IS-2000)
CDMA IS-95A
Rx diversity support

TRANSMIT/RECEIVE:

PCS Transmit: 1850 to 1910 MHz
PCS Receive: 1930 to 1990 MHz
Cellular Transmit: 824 to 849 MHz
Cellular Receive: 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, EU RoHS

SOFTWARE:

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

FOR MORE INFORMATION

North America and Asia

Tel: +1 604 232 1488

Fax: +1 604 231 1109

Europe

Tel: +44 20 8 622 3015

Fax: +44 20 8 622 3206

E-mail: sales@sierrawireless.com

Web site: www.sierrawireless.com

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SIERRA WIRELESS, THE LEADER IN WIRELESS WIDE AREA MOBILE COMPUTING

Sierra Wireless is a recognized industry leader in developing wireless data products and enabling software for

portable and industrial applications. Sierra Wireless's products include:

- AirCard line of PC Cards for CDMA and GSM technology tracks
- Line of PCI Express Mini Cards for CDMA and GSM technology tracks
- MP rugged wireless modem line for CDMA and GSM technology tracks
- Embedded module series for CDMA 1X and CDMA 1xEV-DO networks
- Software Development Kits (SDKs)

Now Sierra Wireless enhances your wireless access choices with high-performance EV-DO Rev A products to meet

your worldwide needs.

SIERRA WIRELESS MP 595 GPS

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FOR CDMA 1X-EV-DO
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