## 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:
-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

■ **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**
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## SIERRA WIRELESS
# MP 595 GPS

Access the data.

Enhance your response time.

Save lives and make a difference.

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
*HEART OF THE WIRELESS MACHINE®*

### ■ 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 (-22F to +158F), the MP 595 GPS wireless modem meets US Military and SAE (Society of Automotive Engineers) specifi cations 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.

### ■ Fleet Management

The MP 595 GPS comes with Watcher™ software that allows you to easily monitor and manage data connections for a single modem. MP Modem Manager is 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.

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

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

■ **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.**