



Presenting the Spider MT-G – the most economical and powerful wireless IP (GPRS/GSM) ruggedized mobile tracking device available today.

Bringing together the power of next generation (2.5G) wireless data and location awareness (GPS), Enfora has built upon its AVL/Telematics experience in bringing to market the ultimate platform in which to track your mobile assets.

The MT-G includes built in TCP/IP and UDP capability that allows for complete flexibility for a user in customizing a mobile tracker application.

GPS data is made available on-board the MTG for transmission to a centralized operations center or web page or to a localized computer or MDT.

The wireless data and voice port are also available for the localized user for e-mail or voice communication.

Call your Enfora representative today or visit our website below.

[www.enfora.com](http://www.enfora.com)

# Spider MT-G



Front



Back

## System Information

Interface: Serial – Host DSUB 9 conn  
 L x W x H: 4.0 x 5.0 x 1.6 in  
 Housing: Seamless Aluminum Extrusion  
 TX Power: Class 4 (2W @900 MHz)  
 Class 1 (1W @1800/1900 MHz)  
 Frequency: 900/1800 (EGSM/DCS) or 1900 (PCS)

## Status Indicators

- Power ON
- User Defined (DEFAULT: Reg Status)
- User Defined (DEFAULT: GPS Status)

## GPRS Packet Data

Mode: Class B, Multislot 12  
 Protocol: GPRS Rel 97 and 99, SMG 31  
 Coding Schemes: CS1-CS4  
 Packet Channel: PBCCH/PCCCH

## GSM Functionality

Voice: Full Rate, Enhanced full rate and half rate  
 CS Data: Asynchronous, transparent and non-transparent up to 9.6 KB  
 GSM SMS: Text, PDU, MO/MT Cell broadcast

## GPS Functionality

Connector: SMA Female  
 Antenna: 3.3V Active  
 GPS Protocols: NMEA, TAIP, Binary  
 Buffered GPS Message Feature

## Environment

Operating: -20°C to 60°C  
 Storage: -40°C to 85°C  
 Humidity: Up to 95% non-condensing

## Certifications (Pending)

FCC: Part 15, 24  
 GCF: Version 3.8.2  
 PTCRB: Version 2.7.2  
 Industry Canada and CE Mark

## Application Interface

Host Protocols: PPP, AT Commands, UDP, TCP/IP  
 Internal Protocols: UDP PAD, TCP PAD  
 API Control/Status: AT or UDP  
 Friend's IP Feature  
 Auto-Registration software upon power-up

## Over-The-Air Commands

- I/O Control
- GPS TX Interval
- Binary Reporting
- Timed Reporting
- Alarm Reporting
- Max Speed Exceeded
- Status Change Reports
- GPS Content
- Event Reporting
- Distance Reporting
- Geo-Fencing

## SIM Card/Interface/I/O

SIM Access: Internal/External  
 Audio: 2.5mm Headset and I/O Interface  
 GSM Antenna: TNC  
 LED: 3 Status Indicators  
 I/O Connector: 5 User Defined Digital I/O  
 2 A/D Input Ports  
 1 Audio Input/Output  
 Misc: Ignition Sense

## Power

DC Voltage: 5V to 30V  
 Spider MTG @ 12V  
 Ignition Sense  
 Low Power Mode <25ma  
 GSM 1TX/1RX(Avg) 150ma  
 GSM1RX (Avg) 75ma

*For GPRS power, see Enfora's MTG User Manual*

## Part Numbers

GSM2202 900/1800  
 GSM2203 1900