

ACCELERATE TIME-TO-MARKET WITH ONBOARD LOCATION



The Enfora Spider MT is an innovative family of certified dual & quad-band integrated platforms that provide complete GSM/GPRS functionality for mobile tracking applications. To address a variety of applications, the onboard GPS data can be transmitted to centralized operations centers, Web pages, localized computers or mobile data terminals worldwide via GSM [cellular radio].

To accelerate deployment, Enfora's Services Gateway 2.0 software platform can be leveraged to quickly build links from your asset-tracking devices to your existing enterprise applications and services. The Services Gateway functionality provides an environment for rapid development and deployment of complex tracking, monitoring, and reporting applications. Supporting popular enterprise database architectures such as MS SQL Server, MySQL and Oracle, your time to market is greatly reduced helping you recognize revenues faster than ever before.

With units designed for the most demanding fleet operation, to the simplest place-n-trace application, Enfora's technology is designed to exceed your expectations.

Key Features

- NEW! Support for Garmin's Fleet Management Interface (FMI) (optional)
- Enable virtually any telematics application with included software suite
- Flexible customization through built-in programmable rules engine, a network router & control automation capabilities
- Wireless data and voice port available on MT-G_u for user email and voice communication
- Geo-fencing & GPIO's
- NEW! Internal antennas on the Dual-Band MT-Gi for economical installation and serviceability
- Auto-registration on power up
- Internal battery back-up on the MT-G_u allows for continued operation when main input power is removed
- Utilize Enfora's Services Gateway 2.0 to tie quickly to existing applications or services
- Integrated SMS for commands & messages



www.enfora.com

SPIDER[®] MT
GSM/GPRS/GPS
DUAL AND QUAD-BAND MOBILE PLATFORMS

	MT-Gi DUAL-BAND (N.A.)	MT-Gi DUAL-BAND (ROW)	MT-G _μ QUAD-BAND																																								
MODEL NUMBER	GSM2354	GSM2356	GSM2338																																								
CHARACTERISTICS Dimensions (L x W x H) Housing	65 x 61 x 26 mm Rugged plastic enclosure, V ₀ fire rated																																										
RADIO PERFORMANCE Frequency (MHz) Transmit power	850/1900 Class 4 (2W@850 MHz) Class 1 (1W@1900 MHz)	900/1800 Class 4 (2W@900 MHz) Class 1 (1W@1800 MHz)	850/900/1800/1900 Class 4 (2W@850/900 MHz) Class 1 (1W@1800/1900 MHz))																																								
PACKET DATA Mode Protocol Coding schemes Packet channel	Class B, Multislot 2 GSM/GPRS Rel 97 CS1-CS4 PBCCH/PCCCH		Class B, Multislot 10 GSM/GPRS Rel 97 AMR Rel 99 CS1-CS4 PBCCH/PCCCH																																								
GSM FUNCTIONALITY GSM SMS Voice CS Data	Text, PDU, MO/MT, Cell Broadcast N/A N/A		Text, PDU, MO/MT, Cell Broadcast AMR, EFR, FR & HR Asynchronous; Transparent and Non-Transparent up to 14.4 kb																																								
GPS FUNCTIONALITY Connector Antenna GPS Protocols Buffered GPS message feature	N/A Internal Antenna NMEA, Binary Yes		FAKRA 3.3 V active NMEA, Binary Yes																																								
OVER-THE-AIR COMMANDS	I/O control, GPS TX interval, binary reporting, timed reporting, alarm reporting, maximum speed exceeded, status change reports, GPS content, event reporting, distance reporting, geo-fencing and virtual odometer.																																										
SIM CARD/INTERFACE/I/O SIM Access Audio GSM Antenna I/O Connector Serial Data I/O Ignition Sense	External N/A Internal Antenna 8-pin Molex 2 GPIOs: Input 0-40V, Output 0-3V 1 Current Sink Output 0-40V Yes Yes		External 2.5 mm headset FAKRA 8-pin Molex 2 GPIOs: Input 0-40V, Output 0-3V 1 Output 0-40V Yes Yes																																								
INTERFACE Host Protocols Internal Protocols API Control/Status	AT commands, UDP API, CMUX, PPP, FOTA PPP, UDP API, TCP API, UDP PAD, TCP PAD AT commands, UDP API, TCP API, AT commands over SMS		AT commands, UDP API, CMUX, PPP PPP, UDP API, TCP API, UDP PAD, TCP PAD AT commands, UDP API, TCP API, AT commands over SMS																																								
ENVIRONMENT Operating Storage Humidity Vibration	-30°C to 85°C -40°C to 85°C Up to 95% non-condensing In accordance with SAE J1211																																										
POWER DC voltage	9 - 40 V		7 - 40 V Rechargeable Lithium-Ion battery (1-hr use)																																								
GSM operating power (typical) @ 12 VDC	<table border="1"> <thead> <tr> <th>Band</th><th>Mode</th><th>Avg (mA)</th><th>Peak (A)</th></tr> </thead> <tbody> <tr> <td>GSM 850/900</td><td>1TX/1RX</td><td>190</td><td>1.6</td></tr> <tr> <td>GSM 1800/1900</td><td>1TX/1RX</td><td>170</td><td>1.3</td></tr> <tr> <td></td><td>Idle (GPS off)</td><td>< 50</td><td></td></tr> <tr> <td></td><td>Idle (GPS on)</td><td>< 80</td><td></td></tr> </tbody> </table>		Band	Mode	Avg (mA)	Peak (A)	GSM 850/900	1TX/1RX	190	1.6	GSM 1800/1900	1TX/1RX	170	1.3		Idle (GPS off)	< 50			Idle (GPS on)	< 80		<table border="1"> <thead> <tr> <th>Band</th><th>Mode</th><th>Avg (mA)</th><th>Peak (A)</th></tr> </thead> <tbody> <tr> <td>GSM 850/900</td><td>1TX/1RX</td><td>250</td><td>1.6</td></tr> <tr> <td></td><td>Idle</td><td>< 40</td><td></td></tr> <tr> <td>GSM1800/1900</td><td>1TX/1RX</td><td>215</td><td>1.3</td></tr> <tr> <td></td><td>Idle</td><td>< 40</td><td></td></tr> </tbody> </table>	Band	Mode	Avg (mA)	Peak (A)	GSM 850/900	1TX/1RX	250	1.6		Idle	< 40		GSM1800/1900	1TX/1RX	215	1.3		Idle	< 40	
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CERTIFICATIONS FCC GCF PTCRB CE Mark RoHS Compliant E-mark Industry Canada AT&T	Parts 15, 22 & 24 N/A Version 4.2.0 N/A Yes N/A Yes Pending	N/A Version 3.31.1 N/A Pending Yes Pending N/A N/A	Parts 15, 22 & 24 Version 3.27.0 Version 3.12.0 Yes Yes Yes Yes N/A																																								
PART NUMBERS	GSM2354-01	GSM2356-01	GSM2338-00 (with battery) GSM2338-01 (without battery)																																								