

Trackplot

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

MAPPING MOBILE ASSETS

When it is important to know the exact location and status of your vehicles for logistic or operational reasons, the Spider MT together with the Trackplot website provides the ideal solution.

The key features of the Spider MT are as follows:

- Detect and report movement outside a user defined geo-fence.
- Report the status of vehicle ignition and other powered equipment
- Report speed and send a maximum speed exceeded alarm
- Internal battery to ensure continued operation when the main DC power is removed.
- Communications via the GSM mobile phone network.
- Supports any mobile phone network provider and payment plan (ie PAYG)
- Fully supported and integrated in the Trackplot website



ASSET/VEHICLE TRACKING



GSM/GPRS TRANSMISSION
OF MESSAGES



GEOFENCE



MOTION & SENSOR ALERT



Photo by Patrick Hajzler



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SPIDER MT

MODEL NUMBER	GSM2338																		
CHARACTERISTICS Dimensions [L x W x H] Housing	65 x 61 x 26 mm Rugged plastic enclosure, V fire rated																		
CONNECTORS	2.5mm headset socket SIM card holder Active 3.3v GPS antenna FAKRA connector GSM antenna FAKRA connector 8-pin molex, 2GPIOs: Input 0-40V, Output 0-3V, Output 0-40V Serial data I/O, Ignition sense																		
LED INDICATORS	Power, GPS, I/O-1, I/O-2																		
GPS	10m position accuracy on the WGS84 Datum Position is converted to UK Ordnance Survey coordinates in the trackplot server to enable it to be displayed against OS 1:50,000 mapping Tracking frequency can be configured by the user																		
COMMUNICATIONS	Quad-band GSM via GPRS or SMS 850/900/1800/1900 MHz (Class 1 and 4) Over-the-air commands to setup device Over-the-air commands to control I/O ports																		
MESSAGES	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																		
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 GSM operating power (typical) @ 12 volts	7-40 V Rechargeable Lithium-Ion battery (1-hr use) <table border="1"> <thead> <tr> <th>Band</th> <th>Mode</th> <th>Avg(mA)</th> <th>Peak (A)</th> </tr> </thead> <tbody> <tr> <td rowspan="2">GSM 850/900</td> <td>1TX/1RX</td> <td>250</td> <td>1.6</td> </tr> <tr> <td>IDLE</td> <td>< 40</td> <td></td> </tr> <tr> <td rowspan="2">GSM 1800/1900</td> <td>1TX/1RX</td> <td>215</td> <td>1.3</td> </tr> <tr> <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		GSM 1800/1900	1TX/1RX	215	1.3	IDLE	< 40	
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CERTIFICATIONS FCC GCF PTCRB CE Mark RoHS Compliant E-mark Industry Canada	Parts 15, 22 & 24 Version 3.27.0 Version 3.12.0 Yes Yes Yes Yes																		