



SPIDER MT-G μ

GSM/GPRS/GPS Mobile Platform

The economically priced MT-G μ features battery backup and enhanced serial connectivity to connect to Mobile Data Terminals running Navigation Software and other custom software.



Quad band GSM/GPRS frequency

GSM 850/900/1800/1900 MHz

Integrated rechargeable battery

Enabler IIIIG chipset & Enhanced GPS Sensitivity

GPS Antenna Monitor

Multiple Mounting Options

Configurable by SMS & Supports GSM Positioning

Certificated with PTCRB and FCC



Mobile Resource Management

Simplified

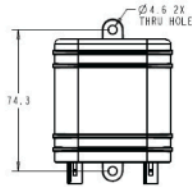
CHARACTERISTICS

Size

65 x 61 x 26 mm

Housing

Rugged plastic enclosure, V₀ fire rated



GSM SPECIFICATIONS

Frequency

Quad-Band: 850/900/1800/1900MHz
Compliant to GSM phase 2/2+
- Class 4 (2W @ 850/900MHz)
- Class 1 (1W @ 1800/1900MHz)

GPRS

Class B, Multislot 10
GSM/GPRS Rel 97 AMR Rel 99
CS1-CS4

GSM Functionality

Text, PDU, MO/MT, Cell Broadcast AMR, EFR,
FR & HR Asynchronous; Transparent and
Non-Transparent up to 14.4 kb

GPS SPECIFICATIONS

GPS Chipset

Enabler III G chipset

Connector

FAKRA

Antenna

3.3 V active

GPS Protocols

NMEA, Binary

Buffered GPS message feature

Yes

ENVIRONMENT

Operating

-30°C to +85°C

Storage

-40°C to +85°C

Humidity

Up to 95% non-condensing

Vibration

In accordance with SAE J1211

CERTIFICATIONS

FCC

Parts 15, 22 & 24

GCF

Version 3.27.0

PTCRB

Version 3.12.0

Other

CE Mark, RoHS Compliant, Emark, Industry
Canada

POWER

DC voltage

7 - 40 V
Rechargeable Lithium-Ion battery (1-hr use)

GSM operating power (typical) @ 12 VDC

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	-

INTERFACES

Host Protocols

AT commands, UDP API, CMUX, PPP

Host Protocols

PPP, UDP API, TCP API, UDP PAD, TCP PAD

API Control/Status

AT commands, UDP API, TCP API, AT commands
over SMS

Over-the-Air Commands

I/O control, GPS TX interval, binary reporting,
timed reporting, alarm reporting, maximum
speed exceeded, status change reports, GPS

SIM Access

External

Audio

2.5 mm headset

I/O Connector

8-pin Molex
2 GPIOs: Input 0-40V, Output 0-3V
1 Output 0-40V

Serial Data I/O

Yes

Ignition Sense

Yes



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