

## > V100 Vehicle Tracker

### Features

Designed primarily as a general purpose vehicle tracking device, the V502 / V100 offers excellent affordable features in one complete kit.



Vehicle tracking	✓
Portable tracking	✗
Messaging terminal	✓
Panic option	✓
Battery backup	✓
Turn by turn reporting	✓
Voice calling	✓
Driver Identification*	✓

#### The unit offers the following standard features on the Maptex service:

- > Journey start, stop and IO notifications over GPRS
- > SMS and Email notification of alarm conditions
- > Logging to memory when GPRS is offline

#### The unit offers the following extended features on the Maptex service:

- > Ignition enable / disable command support
- > Adaptive logging based on distance and turns
- > Parameters gully programmable over the air via GPRS / SMS

#### The unit also has the following vehicle and user options:

- > Panic button
- > Ignition inhibit
- > Messaging terminal



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### Specification

**SIZE:** 82.5 x 45 x 15mm (3.2" x 1.8" x 0.6")

**POWER SUPPLY:** 6-30 volts DC

**POWER CONSUMPTION:**

- > GPS + GSM ON 25 mA
- > GSM ON, GPS OFF 7 mA
- > GPS + GSM OFF 2 mA

**Operating Temperature:**

- > Operating -20 to +55°C
- > Storage -30 to +85°C

**GSM Module:**

Type: E-GSM/GPRS Modem

- > 2 Watts (E-GSM900 Class 4)
- > 1 Watt (GSM1800 Class 1)
- > GPRS class 10

Operating Frequency\*:

- > GSM up-link (TX) : 824 – 849 MHz, 880 – 915 MHz, 1710 - 1785 MHz, 1850 – 1910 MHz
- > GSM down-link (RX): 869 – 894 MHz, 925 - 960 MHz, 1805 - 1880 MHz, 1930 - 1990 MHz

\* Please note there are 2 versions of this product, please consult manufacturer as to which product operates in which geographical location (V100U1 / V100U2)

**GSM Antenna:**

- > MCX Connector. Options available

**GPS Module:**

- > L1 receiver: 12 channels
- > Position accuracy: 3m CEP, 6m 2DRMS
- > Velocity accuracy: 0.2m/s (50%)
- > Time accuracy: 20nS RMS
- > Receiver sensitivity: -152dBm (tracking)
- > Time to first fix:
  - Cold start 35 sec
  - Hot start 8 sec
  - Quick start 3 sec
  - Re-acquisition 1 sec (after 5 minute signal blackout)