



MT100

2G Vehicle Tracker

MT100 2G vehicle tracker is a cost-effective, compact solution for fundamental fleet and vehicle tracking. It provides reliable GPS & LBS positioning and communicates via 2G GSM networks, featuring a wide 9-100V DC input for broad vehicle compatibility. With built-in ignition detection, driving behavior analysis.



Applications



- **Ignition Status Detection**
Detects vehicle power state through a direct wire connection to the ACC line.
- **GPS & LBS Positioning**
Reliable positioning solution leveraging both satellite and terrestrial technologies.
- **2G GSM & GPRS**
Communication via 2G GSM/GPRS/EDGE networks.
- **Track History Playback**
Displays, records, and replays movement paths with status for full visibility.
- **Real-Time Location Tracking**
Provides dynamic location updates on a live map for instant situational awareness.
- **Driving Safety Guardian**
Monitors harsh driving and provides alerts with behavior analysis for fleet safety.

GNSS

Positioning system	GPS, LBS with AGPS (50 channels)	
Frequency	GPS L1: 1575.42 MHz	
Positioning accuracy	5-10 m (5m CEP)	
Tracking sensitivity	-162 dBm	
Acquisition sensitivity	-148 dBm	
TTF (open sky)	Avg. cold start ≤ 35 sec	Avg. hot start ≤ 2 sec

Cellular

Communication network	GSM/GPRS
Frequency	850, 900, 1800, 1900 MHz

Power

Battery	60 mAh 3.6 V rechargeable Li-poly battery	
Input voltage	9-100V DC	
Battery protection	200V reverse connection protection, main power voltage detection	
Operating current	Active < 30 mA @ 12V DC	Sleep < 5 mA @ 12V DC
Working modes	Motion & Static Auto-Switch	

Interface

LED indication	Cellular (Red), GNSS (Green)	
SIM	Micro-SIM	
I/O Interface	1 Digital Output (RELAY)	2 Digital Inputs (Ignition detect, Air condition status detect)
Data storage	1000 offline refill data points	
Connector	2PIN/4PIN/5PIN	
Antenna	Internal high-gain GNSS & Cellular antenna	
Tamper proof	Main power cut alarm	

Physical specification

Dimensions	L75 x W40 x H14.5 mm
Weight	45g