

MT02S Technical Specification

1 Description



MT02S is a compact GPS Tracker for vehicles, it is small in size and with internal GPS/GSM antenna. It is designed for motorcycles, cars, vehicles and scooters, the device itself supports 9-100 volts, and it has one digital output for power off relay connecting and one digital input for ignition detect.

2 Highlights

- ◆ Wide range voltage input range: DC 9-100V
- ◆ Supports GPS/LBS /AGPS positioning
- ◆ Ignition detecting
- ◆ Real-time GPS tracking, History playback, Blind data storage, Cornering compensation
- ◆ Remote power and fuel control (Relay required)
- ◆ Built in G-sensor
- ◆ Driving behavior
- ◆ Dual IP supported (Main server and backup server)
- ◆ GT06N and Kingwo protocol
- ◆ OTA for easier maintenance

3 Function

- ◆ Real-time tracking monitoring, Real-time GPS tracking, History playback, Blind data storage, Cornering compensation
- ◆ Track according to time, distance and speed
- ◆ LBS and AGPS Positioning
- ◆ Driving behavior including hard declaration, acceleration, speeding, sharp turn, collision
- ◆ Low voltage and main power cut off alarm
- ◆ Towing alarm
- ◆ Flip over alarm
- ◆ Remote power and fuel cut off (Relay required)
- ◆ Mileage statistics

4 Specification

Physical	Dimension	82mm*23mm*13mm
	Weight	26g
Cellular	GSM module	Fibocom G500GL
	Frequency	Working Frequency: 850/900/1800/1900MHz Network protocol: Embedded TCP/IP stack Sensitivity: -107dBm@850/900MHz -106dBm@1800/1900MHz Output power: Class 4 (2W)@850/900MHz Class 1 (1W)@1800/1900MHz GPRS data: GPRS Class 10, Mobile Station Class B
GPS		Channels: 50 Sensitivity: -147dBm Position accuracy: 5-10m Accuracy: 5m CEP Cold start: <27s Hot start: <1s
Power	Input voltage	9-100V
	Battery	NI-MH AAA 3.6V/110mA, 2 hours working time based on 2-3 minutes upload
	Power consumption	Average Current: <30mA (DC 12V) Maximum current: <10mA (DC 12V)
Interface	Digital input(2)	Ignition detect
	Digital output(1)	Relay
	GSM antenna	Internal High Gain
	GPS antenna	Internal High Gain
	SIM	Microsim
	Indicator	2 status LEDs, Green: GPS, Red: GSM
	Memory	1300 pcs
Environmental Parameter	Working Temperature	-20°C ~ +70°C
	Humidity	5% ~ 95% (no fog)
	Ingress Protection Rating	IP65