



# PT100

## 2G Waterproof Car GPS Tracker



### Quad Band

Support 850/900/1800/1900MHz



### 9-100V Power Supply

9-100V wide operating voltage applied to all types of vehicles



### SOS Alarm (Optional)

Thumb sized button allowing urgent call during a emergency case



### Remote cut-off (Petrol/Power)

Immobilize a vehicle by cutting off petrol/power supply



### Support Speed Limiter (optional)

Prevents the vehicle exceeding certain speed as per some government standards



### Low Fuel and Fuel Theft Alarm

Prevents fuel theft and leakage by capacitive/ultrasonic fuel sensor



### Support FOTA

Quickly and easily upgrading firmware remotely



### GPS+BD2 (GLONASS Optional)

Multiple positioning systems for high-precision real-time positioning



### IP66 Waterproof

IP66 Water-resistant ensures stable operation in tough environment



### Support Listen-in (Optional)

Allows the caller to listen to what is happening around the tracker



### Fuel Monitoring (Optional)

Support capacitive/ultrasonic fuel sensor for fuel monitoring



### Driver Behavior Monitoring

Support harsh acceleration alarm, breaking alarm, harsh turning alarm, speeding alarm, drunk driving alarm, etc.



### Support Dual Servers

Support uploading location data to two servers simultaneously



### Multiple I/O

2 Inputs+1 Output+1 Mic+1 USB Port, 2 AD Optional, 1RS232 Customizable

## Application:



Fleet Management



Private Car



Motorcycle



Bus

## Module Specification

2G Module	Quectel M25
Technology	GSM/GPRS/GNSS
Bands	GSM(M25) , Quectel GSM: 850/900/1800/1900MHz

## GNSS Specification

GNSS	GPS, BEIDOU
GPS Module	L76K (GPS+BDS) Dual Mode Positioning
Receiver	33 Channel
Tracking sensitivity	-165 dBm
Accuracy	< 2.5m CEP
Hot start	< 1 s
Cold start	< 35 s

## MCU Specification

MCU	ARM Cortex-M4, AT32F415CBT7
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## Power Specification

Input Voltage Range	DC 9 - 100V/1.5A
Back-up Battery	55 mAh Li-Ion Battery

## Interface Specification

Digital Inputs	2 Digital inputs (Can be configured by software for high and low level trigger, Analog input, IN2 is set to ACC detection by default)
Digital Outputs	1
Microphone	1
RS232/TTL (Customizable)	1
GSM Antenna	Built-in FPC
GPS Antenna	Built-in Ceramic Antenna (25 X 25 X 4mm)
USB	2.0 Micro-USB
LED indication	2 status LED lights: 1 x blue LED, 1 x green LED, Internal, Visible outside of light
SIM	Nano SIM Card

## Physical Specification

Dimensions	80*34*15mm (L x W x H)
Weight	About 48g

## Operating Environment

Operating humidity	5% to 95% non-condensing
Ingress Protection Rating	IP66
Working temperature	-20℃~80℃

## Features Specification

Sensors	3D Accelerameter
Flash Memory	16M bit
Scenarios	Fixed Distance Tracking, Timed Tracking, Mobile Phone SMS Alarm, Mileage Report, Support Dual Server, Fatigue Driving, Speeding Alarm, SOS Alarm, Built-in Battery Low Battery Alarm, Cut off External Battery Alarm, Engine, Door Status Change Alarm, GEO-fence Alarm, Harsh Deceleration Alarm, Harsh Turning Alarm, Towing Alarm, Collision Alarm, Idling Alarm, Turn Report, Remote Cut-off (petrol/power), Buzzer Alarm, Fuel Monitoring, Listen-in
Sleep modes	Normal Sleep: GPS Close, GSM Sleep, Deep Sleep: GPS Close,GSM Close.
Configuration and firmware update	FOTA, Local upgrade (USB)
SMS	Configuration and query parameters
GPRS commands	Configuration and query parameters
Fuel monitoring	Analog (RS232 Optional)

## Standard Accessories

Packing box	Main Unit with 8 Wires	Power Cable
		

## Optional Accessories

12V/24V Relay



SOS Button



Microphone



Capactive Fuel Sensor



Ultrasonic Fuel Sensor



Buzzer



USB Cable



Speed Limiter

