



FTW510

4G+2G GPS TRACKER



INTRODUCTION

This intelligent terminal is specifically designed for shared electric vehicles, enabling them to become intelligent. It supports 4G networks, Beidou/GPS hybrid positioning, and remote vehicle control. It can power on/off the vehicle and lock it against theft. It supports multiple communication buses such as 485/TTL. It also supports one external electronic lock, which can be used for wheel hubs, seat compartments, and tail boxes.



| 98*74*25.5mm

| -25°C~70°C

| 250mAh

- Low Battery Alarm
- Power Cut Alarm
- ACC Ignition Detection
- Remote Fuel & Power Cut-off
- 485/TLL Protocol
- Remote Arming
- Battery Compartment Lock Control
- Wheel Movement Alarm
- Vibration Alarm
- Voice Broadcast
- OTA

Fleet Tracking



Logistics Management



Electric vehicle management



SPECIFICATIONS

GENERAL

Network	4G Cat.1 + 2G GSM
Shell Material	ABS+PC(V0)
Operating Voltage	9-90V DC
Water Dust Resistant Level	IP67

WIRELESS

Data Support	SMS,TCP
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Operating Band	FDD-LTE:B1,B3,B5,B8
	TDD-LTE:B34,B39,B40,B40,B41
	GSM/GPRS: 900/1800 MHZ

CONNECTOR

Connector Type	6 Wires (VIN/GND/NC/ACC/WHEEL/RELAY)
GPS Antenna	Internal
LTE Antenna	Internal

ON BOARD

LED	x3(Single-Color LED)
	Blue LED - GNSS Status
	Green LED - Network Status
	Red LED - Power Status
3D Accelerometer	On Board
BLE Version	BLE 5.2

SIZE AND WEIGHT

Dimensions	98*74*25.5mm
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POSITIONING

Location Technology	GNSS+LBS+WIFI
Positioning Antenna	Built-in antenna
Concurrent GNSS	GPS+BDS
Position Accuracy	≤10m
Tracking Sensitivity	-162dBm
Cold Start Time (Open Field)	≤33S
Hot Start Time (Open Field)	≤2S
Assisted GPS	Supported

ELECTRICAL

Power Average Consumption	≤8mA 12V (Sleep)
	≤40mA 12V (Active)
Built-in Battery	250mAh
Working Temperature	-25°C~70°C
Storage Temperature	-40°C~85°C

Function

Geofence	Supported
Low Battery Alarm	Supported
Power Cut Alarm (Tamper Alarm)	Supported
ACC Ignition Detection	Supported
Remote Fuel & Power Cut-off	Supported
485/TLL Protocol	Supported
Remote Arming	Supported
Battery Compartment Lock Control	Supported
Wheel Movement Alarm	Supported
Vibration Alarm	Supported
Voice Broadcast	Supported
OTA	Supported

Optional

LOGO Customization	Optional
Custom Packaging	Optional