

TC56 Multi-functional Vehicle Tracker

General Description

Pretrace TC56 is a vehicle tracker designed for real-time tracking and monitoring over LTE networks. Equipped with built-in GNSS engines and high-performance external antennas, the TC56 provides precise location tracking, speed monitoring, and geofencing, giving you full visibility and security across your fleet.

The TC56 offers multiple interfaces for ON/OFF signal inputs, external device control, and connection to additional sensors. Whether for fleet management or industrial applications, it is an ideal solution for efficient, reliable monitoring.

Target Application

- Fleet Management and Dispatch
- Rental and Shared Vehicle Risk Control
- Logistics and Cargo Security Monitoring
- Construction and Industrial Vehicle Supervision
- Corporate and Private Vehicle Security

Key Features:

- LTE network connectivity
- High-performance external GNSS and LTE antennas
- SOS, over-speed, and geofence alerts
- Built-in 3-axis accelerometer for motion detection
- Remote engine/door control (via relay outputs)
- Real-time GPS/LBS tracking
- 60,000-point GPS backup log
- FOTA (Firmware Over-the-Air) upgrade
- Vehicle battery protection
- Supports multiple external sensors and equipment



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Web: www.pretrace.com Email: info@pretrace.com Tel: +86 755 23156001

TC56 Specification

Bands	
For Europe:	LTE FDD: B1/B3/B7/B8/B20/B28 GSM: B2/B3/B5/B8
For Latin America:	LTE FDD: B2/B3/B4/B5/B7/B8/B28/B66
For Global:	LTE FDD: B1/2/3/4/5/7/8/12/13/17/18/19/20/25/26/28/66 LTE-TDD: B34/38/39/40/41
GNSS	
GNSS System	GPS, BDS, GLONASS, GALILEO
Sensitivity	160 dBm
Position Accuracy	< 5m
Acquistion(Normal)	Cold Start: < 28 Sec
	Warm Start: < 26 Sec
	Hot Start: < 1 Sec
Power	
Battery Capacity	3.7V 500 mAh
Power Input	11.2-38V / 1A
Working Current	30mA @12V
Interface	
Digital Input	2
Ananlog Input	2
Digital Output	2
RS485 Port	2
USB Port	1
Optional Sensors	
Temperature Sensor	Range: -45.0 to +85.0 ºC
Humidity sensor	Range: 0-100%
Water Level Sensor	Range: 0-10m
PT100 sensor	Range: -200.0 ~ +180.0 ºC
General	
Dimension	103*58*35 mm
Weight	180g
Operating Temperature	-40ºC ~ +85ºC
Communication	TCP/UDP/MQTT
Log Saving	60000 pcs
SIM Type	Normal Sim
GNSS Antenna Length	3m
LTE Antenna Length	3m

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Email: info@pretrace.com Web: www.pretrace.com Tel: + 86 755 23156001
Address: 8A,Weiye Building,Minzhi Road,Longhua District, Shenzhen,China.518131
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