

# FM4500 Tracker

## Key Features:

- Network: LTE Cat M1/NB-IoT
- Bluetooth communication (Optional)
- Interaction with smartphone (Optional)
- Reading variable vehicle data with OBDII protocol
- Configurable Report Format
- Multiple Report Mode Condition
- DPA (Driving pattern analysis)
- CR (Crash reconstruction)
- Maintenance Server Supported



The FM4500 vehicle tracker supports 4G LTE Cat-M1/NB-IoT with fall back to 2G. The FM4500 is a low-cost tracking solution which simply plugs into the OBDII diagnostic port placed in the vehicle, commonly near the driver's knees or below the steering wheel column. Once you plug the FM4500 into the OBDII port of your vehicle, the device starts tracking and monitoring diagnostic information about the vehicle.

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## Technical Specification

### Wireless Communication

Network frequency	LTE Cat M1/NB-IoT 2G
Bluetooth	*Optional

### GNSS

Receiver Type	GPS, GLONASS SBAS: WAAS, EGNOS, MASA
AGPS	Support
Location Accuracy	<2.5m CEP
Update Rate	1Hz
Cold Start (TTFF)	<35s
Warm Start (TTFF)	<30s
Hot Start (TTFF)	<1s
Tracking Sensitivity	Tracking -167dBm Reacquisition -161dBm Acquisition -149dBm

### Physical

Dimension	74(L) x 49(W) x 25(T) mm
Weight	104g

### Hardware

I/O	Heavy J1939 (29b, 250K/500K) Light J1850 VPW, PWM ISO9142, ISO14230 (KWP) ISO15765 (CAN)
LED Indicator	Network, GPS
Antenna	Internal
Accelerometer	Built-in 3-axis accelerometer

### Battery/Power

Backup Battery	Rechargeable 3.7V, 350mAh (Li-ion)
Power Supply	DC 8 ~ 30 V

### Environmental

Operating Temp	-40oC ~ +85oC
Certificates	FCC, PTCRB, IC, ISO7637-2, ISO7637-3, ISO10605, CISPR25

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