OBDII SERIES

Plug & track, easy installation, no wires required, save integrator's time and cost. Start the tracking immediately

TOPFLYtech

LTE TLD2 SERIES ^4G

LTE Cat-M1(eMTC)/Cat-NB1(NB-IoT) easy Install OBDII tracking device designed for insurance, car leasing and real-time monitoring applications

IMEI:86011204707XXXX
Operating Voltage:DC 7~32V
Internal Rechargeable
Battery:200mAh/3.7V
SIM

- Compact Size
- Plug and Play
- CAN data reading (D Version)
- Firmware Over the Air
- Inbuilt Buzzer for Harsh Driving Events
- Global Bands Supported
- Driving Behavior Monitoring
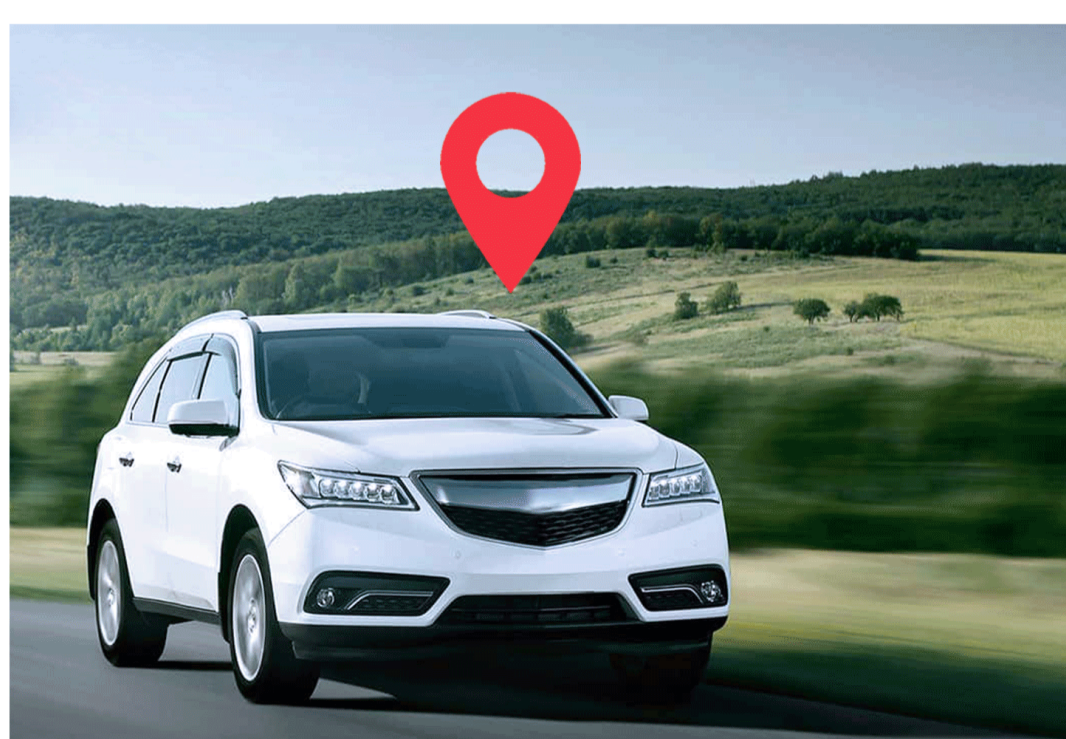- Crash Detection
- BLE 5.0
- Towing Alarm

| 48g (1.7oz) | | 47.8mm*47.6mm*19.8mm (1.9" *1.9" *0.8") |
| -30°C ~ +80°C (-22°F ~ 176°F) | | Operating Voltage: 7V to 32V DC with internal Li-Polymer battery |

Certificates:

FC   IC   PTCRB   CE   RCM   AT&T

U.S. Cellular   verizon√   T··Mobile·
(*on-going)   (*on-going)

*Please reach out to us if you need any certificates in particular

Insurance

Private Car Tracking

Car Leasing

LTE TLD2 SERIES SPEC

Network/Operating Band

Models	TLD2 Series
Operating Band	LTE FDD Cat M1: B1/B2/B3/B4/B5/B8/B12/B13/B18/B19/B20/B25/B26/B27/B28/B66/B85 LTE FDD Cat NB2: B1/B2/B3/B4/B5/B8/B12/B13/B18/B19/B20/B25/B28/B66/B71/B85 GSM/EDGE: 850/900/1800/1900 MHz
Data Transmission	eMTC: Max. 588 (DL), Max. 1119 (UL) NB1: Max. 32Kbps (DL), Max. 70Kbps (UL) NB2:Max. 127 (DL), Max. 158.5 (UL) EDGE: Max. 296Kbps (DL), Max. 236.8Kbps (UL) GPRS: Max. 107Kbps (DL), Max. 85.6Kbps (UL)

GNSS Specifications

GNSS Chipset	MediaTek High Gain GNSS receiver
Parallel GNSS	GPS + Glonass or GPS+Beidou
Receiver Type	33 tracking / 99 acquisitions- channel GNSS receiver
Sensitivity	Acquisition: -149 dBm Tracking: -167 dBm Reacquisition:-161 dBm
Position Accuracy (CEP)	Autonomous: < 2.5 m CEP
TTFF @ -130 dBm with (without) EASY™	Cold Start: < 15s (32s) Warm Start: < 8s (28s) Hot Start: < 1s (1s)

Interfaces

	TLD2-L	TLD2-D
Models		
Connector	OBDII	
CAN Data Reading	No	Yes
Support legislated OBDII protocols	N/A	ISO15765-4, SAE J1939
SIM card slot	Nano SIM card slot	
LTE/GNSS/Bluetooth Antenn	Internal only	
Indicator LED	Network,Diagnostics (TLD2-D only) and GNSS	
FOTA	Yes	
BLE (Bluetooth Low Energy)	5.0	
USB	Debug	
Buzzer	Event triggering	

General Specifications

Dimensions	47.8mm*47.6mm*19.8mm (1.9" *1.9" *0.8")
Weight	48g (1.7oz)
Backup Battery	Li-Polymer 200 mAh/ 3.7V
Operating Voltage	7V to 32V DC
Operating Temperature	-30°C ~ +80°C (-22°F ~ 176°F)
-30°C ~ +80°C (-22°F ~ 176°F)	-40°C ~ +85°C (-40°F ~ 185°F)

Air Interface Protocol

Transmit Protocol	TCP, UDP, MQTT, SMS
Data Security & Encryption Option	MD5/ AES256
BLE Accessory Support	Yes
Scheduled Timing/angle/distance Report	Report position and status at preset intervals
External Power Status Alarm	Report when external power is disconnected
Low Power Alarm	Report when backup battery is low
Speeding Alarm	Report when speed exceed the pre-set value
Network Signal Jamming Detection	Report network jamming
Data Roaming Control	Avoid additional data consumption
Driving Behavior Monitoring	Aggressive driving behavior detection, e.g. harsh braking and acceleration
Crash Detection	Accident data collection for reconstruction and analysis

Industry Certifications

CCE, RCM, IC, FCC, PTCRB, AT&T, US Cellular, T-Mobile(on-going), Verizon(on-going)