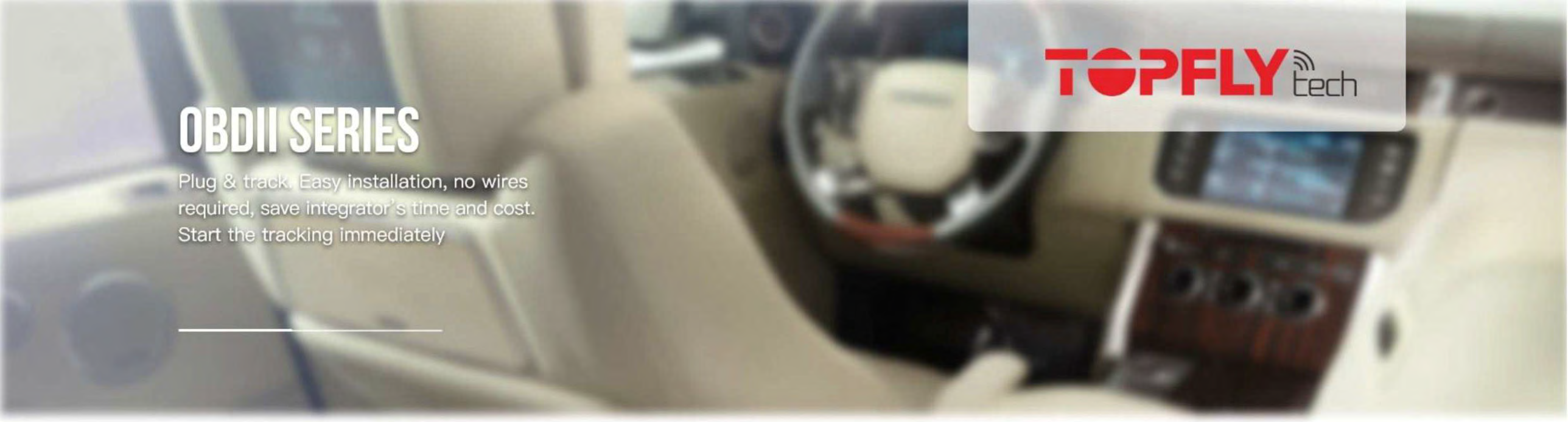

LTE TLD2 SERIES 4G

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

- 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

- 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

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/B 25/B26/B27/B28/B66/B85 LTE FDD Cat NB2: B1/B2/B3/B4/B5/B8/B12/B13/B18/B19/B20/B 25/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 Galileo+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		
Models	TLD2-L	TLD2-D
Connector	OBDII	
CAN Data Reading	-	Yes
Support legislated OBDII protocols	-	ISO 9141-2/ISO 14230-4/ISO 15765-4 SAE J1939 (Heavy Vehicle)
SIM card slot	Nano SIM card slot	
LTE/GNSS/Bluetooth Antenna	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)	
Storage Temperature	-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	