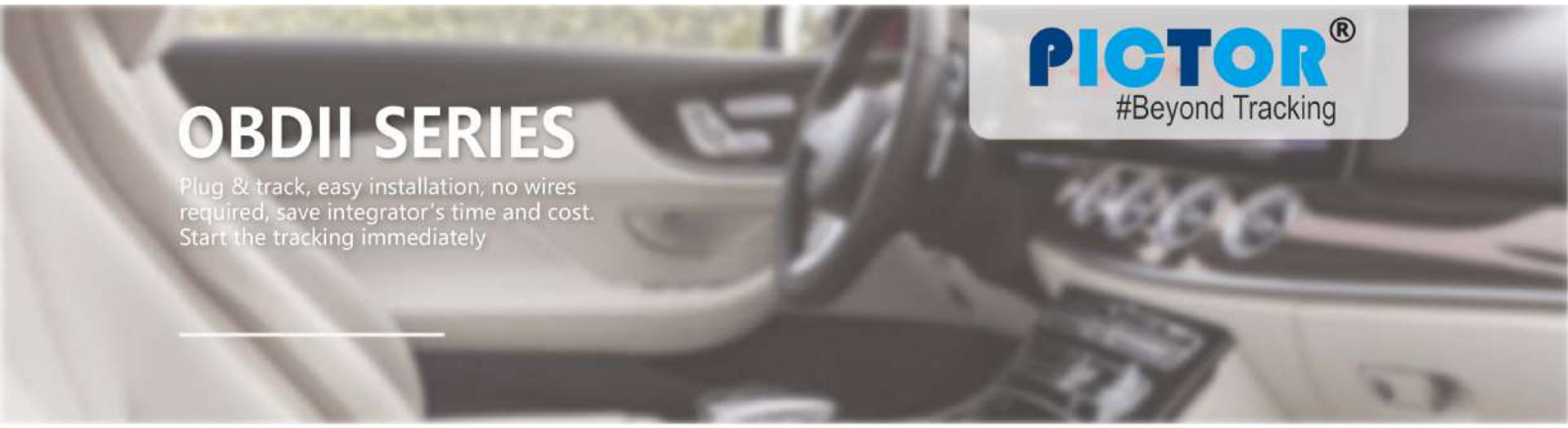

PICTOR®
#Beyond Tracking

OBDII SERIES

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

TLD2-D

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

Network/Operating Band	
Models	TLD2-D
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	
Models	TLD2-D
Connector	OBDII
CAN Data Reading	Yes
Support legislated OBDII protocols	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