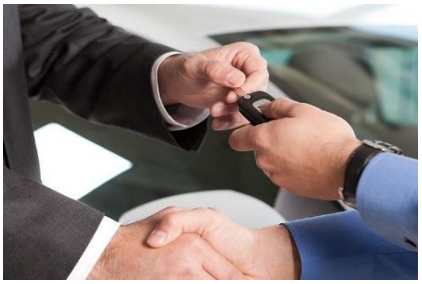
TRACKNOW

- Compact Size
- Plug and Play
- CAN data reading (DA&DE model)
- Firmware Over the Air
- Geo-fences
- Motion Detection
- Driving Behavior Monitoring
- Crash Detection
- BLE 4.0
- Tow Alarm

LTE TLD1 Series

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

50g	57mm × 50mm × 24mm
-30℃ ~ +80℃	Operating Voltage: 7V to 32V DC With internal Li-Polymer battery



LTE TLD1 Series Spec

Network/Operating Band		
Model	TLD1-A/DA (North America)	TLD1-E/DE (Europe)
Operating Band	FDD: B1/B2/B3/B4/B12/B13/B17/B25/B28 TDD: B39 (Cat M1 only)	FDD: B1/B2/B3/B4/B5/B8/B18/B19/B20/B26 EGPRS 900/1800MHz
Data Transmission	eMTC: Max. 300Kbps (DL), Max. 375Kbps (UL) NB1: Max. 32Kbps (DL), Max. 70Kbps (UL) EDGE: Max. 296Kbps (DL), Max. 236.8Kbps (UL) GPRS: Max. 107Kbps (DL), Max. 85.6Kbps (UL)	
GNSS Specifications		
GNSS Chipset	Qualcomm Gen 8C GNSS receiver	
Parallel GNSS	GPS+Glonass+Galileo+Beidou	
Receiver Type	33 tracking / 99 acquisitions- channel GNSS receiver	
Sensitivity	Cold start: -149 dBm Tracking: -163 dBm	
Position Accuracy (CEP)	Autonomous < 2m	
Standalone TTFF	Cold start: < 29s Warm start: < 27s Hot start: < 1s	
Interfaces		
Model	TLD1-A/E	TLD1-DA/DE
Connector	OBDII	
CAN Data Reading	-	Yes
Support legislated OBDII protocols	-	J1850 PWM, J1850 VPW, ISO 9141-2, ISO 14230, ISO 15765-4, J1939
SIM card slot	Nano SIM card slot	
LTE/GNSS/Bluetooth Antenna	Internal only	
Indicator LED	Network and GNSS	
FOTA	Yes	
BLE (Bluetooth Low Energy)	4.0	
USB	Debug	
General Specifications		
Dimensions	57mm × 50mm × 24mm	
Weight	50g	
Backup Battery	Li-Polymer 120 mAh/ 3.7V	
Operating Voltage	7V to 32V DC	
Operating Temperature	-30℃ ~ +80℃ (-22°F ~ 176°F)	
Storage Temperature	-40℃ ~ +85℃ (-40°F ~ 185°F)	
Air Interface Protocol		
Transmit Protocol	TCP, UDP, MQTT, SMS	
Protocol Check & Encryption Support	MD5/ AES256	
Scheduled Timing Report	Report position and status at preset intervals	
Geo-fence	Geo-fence alarm and parking alarm support up to 64 internal geo-fence regions	
Low Power Alarm	Alarm when backup battery is low	
Power on Report	Report when the tracker is powered on	
Tow Alarm	From internal 3-axis accelerometer	
Driving Behavior Monitoring	Aggressive driving behavior detection, e.g. harsh braking and acceleration	
Crash Detection	Accident data collection for reconstruction and analysis	
Firmware over the Air	Yes	
Network Signal Jamming Detection	Report network jammer	
Data Roaming Control	Avoid additional data consumption	