



# TRACKNOW



- Compact Size
- Easy Installation
- Waterproof
- Firmware Over the Air
- Built-in Light Sensor
- Motion Detection
- Low Battery Alarm
- Removal Alert
- Data Security (MD5/AES)
- Super Long Battery Life
- MQTT Support

## LTE & GSM TLP1-LF

LTE Cat-M1(eMTC)/Cat-NB1(NB-IoT) and GSM assets tracking devices for wide ranging applications

195g	69.3*143*24.8 mm
-20°C ~ +60°C	Non-rechargeable 8100 mAh/3.6V Li battery

### Standby Time (One Report per Day):



Trailer Tracking



Container Tracking



Freight Transport



## LTE TLP1-LF Spec

Network/Operating Band	
Operating Band	FDD: B1/B2/B3/B4/B5/B8/B12/B13/B17/B18/B19/B20/B25/B26/B28 TDD: B39 (Cat M1 only) EGPRS 850/900/1800/1900MHz
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	
Charging and Data Transmission	4 Pin port with magnet
Network, GNSS Antenna	Internal only
Indicator LED	Network, GNSS and Battery level
FOTA	Yes
Physical Power Switch	1
Light Sensor	1 back light sensor
Temperature Sensor	1 temperature sensor
General Specifications	
Waterproof	IP67
Dimensions	69.3mm*143mm*24.8mm
Weight	195g
Battery	Non-rechargeable 8100 mAh/3.6V Li battery
Standby Time (One Report per Day)	GPS Off: 3000 days ( $\approx$ 8 Years) GPS On: 1850 days ( $\approx$ 5 Years)
Data Communication	Magnetic USB cable
Operating Temperature	-20°C ~ +60°C (-4°F ~ 140°F)
Mounting	Magnet/Screw
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	support up to 64 internal geo-fence regions
Low Power Alarm	Sending alarm when battery is low
Power On/Off Report	Report when the device is powered on and off
SOS/Emergency Alarm	SOS alarm via pressing function button
Motion Detection	Motion alarm based on internal 3-axis accelerometer
Removal Alarm	Sending alarm when the light sensor detecting the light changing