

MTL-1501 ASSET TRACKER

MTL-1501 R 1.0
Jan. 4, 2020

Key Features

Enclosure Rating	IP67
Interface	LTE Cat M1/NB1/EGPRS
Battery	1400mAh
Type	Rechargeable (Wireless)
Uptime	Up to 12 months
Sensors	Temperature Sensor Humidity Sensor (external BLE)
Antennas	Internal
Dimension	80 x 60 x 30 mm



1 DESCRIPTION

The MTL-1501 asset tracker is ideal for monitoring of individual packages/shipments such as pallets, packages, containers etc. The compact tracker is equipped with a lithium battery and can operate up to 12 months without the need of external power supply.

The data transmission frequency can be changed with the firmware setting. At a data transmission frequency of 1 x per day, the uptime of the battery is about 12 months.

2 SPECIFICATIONS

SYMBOL	PARAMETER	MIN	TYP	MAX	UNIT
I-Input	Current consumption	0.05 (sleep)	160	250	mA
G-Sensor	Measurement range	±2	-	±16	G
RHACC	Humidity sensor accuracy	-	±2	±4	%RM
TEMPACC	Temperature sensor accuracy 5°C<TA<60°C	-	±0.2	±0.4	°C
TA	Ambient temperature range	-20	-	+60	°C
GPS/GNSS	Receiver sensitivity	-	-167	-	dBm
ALTITUDE	Maximum altitude	-	18000	-	m
VELOCITY	Maximum velocity	-	515	-	m/s
CONNECTIVITY					
Cat M1/Cat NB1	LTE FDD / LTE TDD				
EGPRS	850/900/1800/1900MHz				
TX-POWER	Max. 23dBm				
USB	ESD Protection for 2 high-speed I/O channels and VDD IEC 61000-4-2 (ESD) ±15kV (air), ±8kV (contact) IEC 61000-4-4 (EFT) 40A (5/50ns), IEC 61000-4-5 (Lightning) 12A (8/20µs)				
PROTOCOLS	MQTT REST-API ASCII				
MTBF	500.000h				

3 KEY BENEFITS

- Multi navigation GPS/GLONASS/Galileo/BD/QZSS
- Cold start <35s
- Powerful AGPS functions
- LTE Cat M1 & Cat NB1 & EGPRS

4 DIMENSIONS

87 × 51 × 30mm

