

MTL-1501 LTE ASSET TRACKER

MTL-1501 R 1.1
Jan. 8, 2025

Key Features

| | |
|-------------------------|--|
| Enclosure Rating | IP67 |
| Interface | LTE Cat M1/NB1/EGPRS |
| Battery | 2400mAh Li-Polymer |
| Type | Rechargeable (Wireless) |
| Uptime | Up to 12 months |
| Sensors | Temperature Sensor Humidity Sensor (external BLE) |
| Antennas | Internal |
| Dimension | 87 x 51 x 30 mm |



1 DESCRIPTION

The MTL-1501 asset tracker is ideal for monitoring 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 |
|---------------------|---|----------------------|-------|------|------|
| 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 | | | |
| PROTOCOLS | | MQTT REST-API ASCII | | | |
| MTBF | | 500.000h | | | |

3 KEY BENEFITS

- 1 Year Standby Time
- Supports Wireless Charging
- IP67 Waterproof
- Magnetic mounting (Optional)

4 DETAILS



150g (5.29oz)
170g (6.0oz)
(magnet-mounted version)

87 × 51 × 30mm
3.43''(L) × 2.01''(W) × 1.18''(H)
87 × 51 × 33.5mm
3.43''(L) × 2.01''(W) × 1.32''(H)
(magnetic case mounting version)