



## Product Specifications

# LoRaWAN™ Flexible Tracker

### LT-501R Series

VER: 2.0



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## Introduction

LT-501R series is a RF network tracker specifically designed for both indoor and outdoor monitoring on objects. It is compact, light, and easy to use. The series is also equipped with the 19Ah/3.6V battery to provide basic power usage.

## Product Features

- Support LoRaWAN™ Class A/ Class C
- Outdoor/ Indoor geo-location
- Long-distance transmission
- Regular/ Real time tracking (Report interval, Enable/ Disable GPS, Buzzer, Ping)
- Built- in 3 axis accelerometer for motion detector
- Built in BLE for beacon (Indoor positioning)
- Support buzzer for alert
- Power Low/ Off alert
- Support Geo-fencing functions (need to be done by AS/ EzFinder side)
- Support help report
- Micro USB connector

<b>H/W Specifications</b>	
LoRa® Chipset	Semtech LoRa® Chip
LoRa® Antenna	Internal LoRa® antenna
LoRa® Frequency	<b>LT-501RH</b> US 915 MHz/ AS 923 MHz <b>LT-501RE:</b> EU 868 MHz
MCU	STM32
BLE	Nordic BLE for slave mode
BLE Antenna	Internal BLE antenna
GPS	MTK support GPS & GLONASS
GPS Antenna Type	Patch antenna
Button	Power button (Power/ Reset in one button) Function button (Help report)
Sensor	3-Axis accelerometer
Sound Effect	Buzzer (Film, 68 ± 3 dB @ 1M)
LED Indicator	LED X 4 : <ul style="list-style-type: none"> <li>● Power LED (Low battery) : Red</li> <li>● GPS LED : Green</li> <li>● LoRa® LED (Transmitting) : Yellow</li> <li>● BLE LED (Transmitting) : Blue</li> </ul>
Connector Type	Micro USB for configuration
Operation Voltage	DC 3.3 ~ 4.3V
Transmission Distance	LoRa® : 1 ~10 KM @ 980 bps BLE (Open sides): 35 M
Receiving Sensitivity	-128 dBm @ 980 bps (Typical)
Battery	ER34615 D size 19Ah/3.6V

<b>H/W Specifications</b>	
Operating Temperature	With Battery: Operation: -20 ~ 60 °C Storage: -20 ~ 80 °C
Humidity	5 ~ 95% (Non-condensing)
Dimension	84 × 69.6 × 53.6 ± 0.15 mm
Weight	200 ± 10 g (With battery)
Accessories	Standard micro USB cable 3mm steel plate (Optional)
Certification	CE, FCC, TELEC
Waterproof	IPX7 Protected with rubber cover sealed

### **LT-501R Series**

84 × 69.6 × 52.8 ± 0.15 mm

