

GL52RP

LoRa mini standby asset GNSS tracker

- LoRaWAN
- Compact Size
- Resistant to Existing Jamming Techniques



The GL52RP is a compact real-time tracker with LoRa technology, ideal for stolen vehicle recovery, inventory control, asset monitoring, and more, offering both a small size and long battery life. It showcases Queclink's dedication to embracing emerging technologies, with LPWA solutions like LoRa providing a highly power-efficient option for battery-operated applications. Equipped with a GNSS receiver and motion sensor, the GL52RP ensures precise location tracking and motion detection.

- GNSS Location
- Power Key
- Motion Detection
- Battery Level Report
- Supports OTA Update

Applications

Aseet Monitoring



Automobile Finance



Stolen Vehicle Recovery



1. The standby time is estimated under the condition of operating with LORA normal or good signal, working at a constant ambient temperature of 25°C, where GNSS signal is strong enough and under open sky.
2. The battery life may be influenced by several factors such as network coverage, ambient temperature, sensors'setting, installation location and orientation, etc. If you're interested in power consumption calculation of our device, please contact with our sales or FAE to get more information.

General Specifications

Dimensions	89.8 × 44 × 10.5mm 3.54"(L) ×1.73"(W) ×0.41"(H)
Weight	48g (1.69oz)
Internal Battery	Lithium manganese dioxide battery, 2400 mAh
Standby Time	Continue Mode 5 Min Reporting: 30 days 10 Min Reporting: 60 days Power Saving Mode 1 Report per Hour: 86 days 1 Report per Day: 1800 days ** G sensor off GPS open sky, LORA normal signal, operation temperature 10°C ~25°C
Operating Temperature	-20°C ~ +60°C -20°C ~ +60°C for storage
Sensor	Built-in 3-axis Accelerometer
Region	Global
Certification	Anatel

GNSS Specifications

GNSS Type	u-blox All-in-One GNSS receiver
Constellation Support	GPS, Galileo , Glonass or Beidou
Sensitivity	Autonomous: -147 dBm Hot start: -156 dBm Tracking: -162dBm
Position Accuracy (CEP)	Autonomous: < 2.5m
TTFF (Open Sky)	Cold start: 27s average Hot start: 1s average

LoRa Specifications

Modulation Mode	LoRa
Region	EU863-870MHz: Europe AU915-928MHz: Brazil, Australia, Latin America US902-928MHz: USA, Latin America
Frequency	863-870Mhz 902-928Mhz Supports LoRa class A
Max RF Output Power	20dBm
Receiver Sensitivity	-140dBm (BW=62.5KHz SF=12)
Stability of Frequency	<15kHz

Working Mode

Continuous Mode	5 Min Reporting: 30 days 10 Min Reporting: 60 days
Sleeping Mode	Up to 86 days @ one report per hour
	Up to 1800 days @ one report per day

Interfaces

LORA Antenna	Internal only
GNSS Antenna	Internal only
LED Indicator	One RED LED (Power)
Power Key	One Power Key

Air Interface Protocol

Transmit Protocol	LoRaWAN
Power On/Off Report	Report when the device is powered on
Command Set	@Track lite protocol command
Working Modes	Power saving mode for long standby time Continuous mode for emergency tracking
Scheduled Timing Report	Report messages at preset time intervals
Geo-Fence Report	Support up to 5 internal geo-fence regions Automatically reports when entering / exiting Geo-Fence
Motion Detection	Motion alarm based on internal 3-axisaccelerometer
OTA Support	Remote configure parameters to change position interval, measurement interval, active/ deactivate sensor

EASY/NET TECHNOLOGIES
EASE, EFFICIENCY, EXCELLENCE
COMPREHENSIVE CONNECTIVITY SOLUTIONS FOR DIVERSE INDUSTRIES
Product Details
easynt.com
easynt.com LinkedIn