



- Ultra-thin Design
- Covert Installation
- Sigfox Network
- 4 Years Standby Time
- GNSS Positioning
- BLE 5.0
- Resistant to Existing Jamming Techniques
- Scheduled Timing Report
- Power Saving Mode
- Continuous Mode
- Battery Level Report
- Motion Detection
- Geo-fence
- Wakeup Report
- OTA Control

# GL52SP

## Sigfox mini standby asset tracker with built-in BLE

Weight | 50g (1.76oz)

Dimensions | 89.8 × 44 × 9.65mm  
3.54"(L) × 1.73"(W) × 0.38"(H)

Temperature | -20°C ~ +60°C

Battery | Lithium manganese dioxide battery, 2400mAh

### Standby Time : (BLE off, Motion Sensor off)

1 Report/Day		1750 Days (>4 Years)
1 Report/6 Hours		540 Days

The GL52SP is an ultra-thin designed Sigfox integrated product, targeting for stationary asset monitoring, inventory control and other tracking management applications that require both a small size and a battery life of over four years. With Sigfox Ready Class 0, the highest Sigfox certificate, the GL52SP has better network connectivity, mobility and a higher success rate when receiving information and data. According to Sigfox operators, the product is resistant to existing jamming techniques and network costs are substantially lower in low data usage applications.



**GL52SP**

Region	Operating Band	GPS Type	Position Accuracy (CEP)	Certificate
RC1: Europe, Overseas France, Middle East and Africa RC2: Brazil, Canada, Mexico, Puerto Rico, USA RC4: Latin America, Asia Pacific RC7: Russia	RC1@ Tx:868.13MHz Rx:869.525MHz RC2@ Tx:902.2MHz Rx:905.2MHz RC4@ Tx:920.8MHz Rx:922.3MHz RC7@ Tx:868.8MHz Rx:869.1MHz	u-blox all-in-One GNSS receiver	Autonomous: < 2.5m	Sigfox Ready Class 0 (RC1)

**Appearance****Interfaces**

Sigfox Antenna	Internal only
GNSS Antenna	Internal only
BLE Antenna	Internal only
LED Indicator	Power on

**Air Interface Protocol**

Command Set	@Track Air Interface Lite Protocol
Transmit Protocol	Sigfox Protocol
Working Modes	Continuous mode, for emergency real-time tracking
	Power saving mode, for long standby time
Scheduled Timing Report	Position and status reports at preset intervals
Motion Detection	Motion alarm based on internal 3-axis accelerometer
Wakeup Report	Wake up at preset intervals

## Accessories



### **WTH300**

BLE temperature and humidity sensor



### **GL52SP Upgrade Kit**

It is used for configuration, firmware upgrading and debugging of GL52SP  
Part list: GL52SP\_Upgrade\_Tool;  
DB9 USB to serial port new cable;  
DC charger for US (DC: 5.5 & 2.1mm,  
AC: 100-240V; DC: 5V-2A)cable