



# Qbit M

## LTE Portable GNSS Tracker

Small volume, compact structure, the Qbit M is an advanced portable tracker designed to handle the personal security of the elderly, children and vulnerable people. With LTE-M communication and GNSS positioning technology, the device ensures a solid connection and accurate positioning in almost all cases. Furthermore, various accessories, a safety fence and a sound alarm will add to the security and peace-of-mind provided by the Qbit M.



Personal Safety



Pet Tracking



Package Tracking



### Intelligent Positioning

With GNSS and nRF cellular positioning (optional) for indoor & outdoor signal coverage, the device can send notifications and upload locations based on moving states.



### Time-Phased Working

Support setting the device's working hours and sleeping hours on demand.



### Compact Size

Small and light, yet with a long standby time, the device is easy to carry.



### Panic Button

Press the device's panic button to send an immediate alert and real-time location for emergency help or rescue.



### Sound Alarm

Make the device sound an alarm through the APP command to find the specific vehicle or person.



### Safety Fence

Geofencing (connected to WiFi hotspots), used with real-time location services, can notify users via the APP if a device leaves a designated area.

## Standard Configuration

### Positioning & Location

<b>Technology</b>	GPS, QZSS (nRF*)
<b>Accuracy</b>	< 2.5m CEP
<b>Tracking sensitivity</b>	-155dBm
<b>Acquisition sensitivity</b>	-147dBm
<b>TTF (open sky)</b>	Avg. hot start ≤ 1sec; Avg. cold start ≤ 36sec

### Cellular

<b>Technology</b>	LTE-M Cat M1, Cat NB1, NB2 Cat M1: B1/B2/B3/B4/B5/B8/B12/B13/B14/ B18/B19/B20/B25/B26/B28/B66
<b>Frequency</b>	Cat NB1 & NB2: B1/B2/B3/B4/B5/B8/B12/B13/ B17/B19/B20/B25/B26/B28/B66

### Power

<b>Battery</b>	650mAh/3.8V industrial-grade Li-Polymer battery (rechargeable)
<b>Working modes</b>	Intelligent mode Regular GPS mode
<b>Battery life</b>	Up to 7 days in intelligent mode, 2 hours moving per day (update every 180s)

### Operating environment

<b>Operating temperature</b>	-20 C to +75 C
<b>Operating humidity</b>	5% to 95%, non-condensing
<b>IP rating</b>	IP65

### Interface

<b>LED indication</b>	Tri-color LED for power, cellular and GNSS
<b>SIM</b>	Nano-SIM (or soft SIM)
<b>Digital I/Os</b>	N/A
<b>Analog I/Os</b>	N/A
<b>Memory capacity</b>	100 GPS data entries
<b>Button</b>	1*functional button; 1*panic button
<b>USB</b>	Type-C (for charging)
<b>GNSS antenna</b>	Internal
<b>Bluetooth antenna</b>	Internal
<b>Serial ports</b>	N/A

### Feature

<b>Voice monitoring range</b>	N/A
<b>Sensors</b>	Accelerometer
<b>Scenarios</b>	Safety fence exit alert, Buzzer alert, Low battery alert
<b>Mount method</b>	Lanyard, back clip
<b>Bluetooth</b>	BLE 5.0
<b>Configuration support</b>	Bluetooth
<b>Certification</b>	CE, FCC, PTCRB

### Physical specification

<b>Dimensions</b>	40,0 x 45,0 x 15,0mm
<b>Weight</b>	30,5g

## Optional Configuration\*

N/A

\*Optional Configuration required to be customized or purchased separately.