



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.



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.

Personal Safety



Package Tracking



Pet Tracking



GNSS

Positioning system	GPS+QZSS (nRF*)
Positioning accuracy	<2.5m CEP
Tracking sensitivity	-155dBm
Acquisition sensitivity	-147dBm
TTF (open sky)	Avg. hot start ≤ 1sec Avg. cold start ≤ 36sec

Cellular

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

Power

Battery	650mAh/3.8V industrial-grade Li-Polymer battery
Working modes	Intelligent mode; Regular GPS mode
Standby time	Up to 7 days in intelligent mode, 2 hours moving per day (180s locate interval in movement)

Interface

SIM	Nano-SIM (or soft SIM)
Button	1 functional button, 1 panic button

Physical specification

Dimensions	40.0 x 45.0 x 15.0mm (without base)
Weight	30.5g (without base)

Operating environment

Operating temperature	-20 C to +75 C
Operating humidity	5%~95%, non-condensing
IP rating	IP65

Feature

Sensors	Accelerometer
Scenarios	Safety fence exit alert, Buzzer alert, Low battery alert