



Rechargeable Asset GPS Tracker

NT53E

Cat-M & NB-IoT



Waterproof

IP67



Rechargeable battery

5200mAh



BG95 Cat-m&NB-IoT network



BLE ibeacon and gateway



Strong magnetic easy installation



Real time tracking



Tamper Alarm



Motion detection



Temperature monitor

Application Scenario



Rental cars



Asset tracking



Fleet management



Logistic

Specification

NT53E is an ultra-rugged asset GPS Tracker with 5200Mah rechargeable battery based on CatM1 and NBIOT technology, it has built in Bluetooth, motion sensor, temperature sensor and light sensor. It's ideally suitable for Asset tracking market.

Physical

| | |
|-----------|---------------------------|
| Dimension | 110mm*68mm*25mm (L*W*H) |
| Weight | 233g |

Cellular

| | |
|-----------------|--|
| Cellular module | Quectel BG95 |
| Frequency | Working frequency: Cat M1: LTE- FDD B1/B2/B3/B4/B5/B8/B12/B13/B14/B18/B19/B20/B25/B26*/B27/B28/B66/B85 protocol: Embedded TCP/IP stack Sensitivity: -107dBm@850/900MHz -106dBm@1800/1900MHz Output power: Class 4 (2W)@850/900MHz Class 1 (1W)@1800/1900MHz |

GPS

Channels: 50
Sensitivity: -147dBm
Position accuracy:5-10m
Accuracy: 5m CEP
Cold start: <27s
Hot start: <1s

Processor

ST

Motion sensor

DA260

Wifi position

Wifi 5.0

Bluetooth

Bluetooth 5.1

Power

| | |
|-------------------|---|
| Battery | Rechargeable Lithium-ion battery and (3.7V , 5200mAh) and ultra-low discharge rate : less than 1%, store one year below 25°C |
| Power consumption | Average working current <100mA; Power save current 7uA; |
| GSM antenna | Internal High Gain |
| GPS antenna | Internal High Gain |
| SIM | Microsim |
| Indicator | 3 status LEDs, Green: GPS, Battery level: Blue: Red: Cellular |

Environmental Parameter

| | |
|---------------------------|-------------------|
| Working Temperature | -30°C ~ +80°C |
| Humidity | 5% ~ 95% (no fog) |
| Ingress Protection Rating | IP67 |

Contact Us

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FCC WARNING

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum 20cm distance between the radiator and your body: Use only the supplied antenna