Kingwo IoT

NT35
4G/LTE-M Personal Tracker

NT35 series 4G/LTE-M personal tracker is a compact, IP65 device designed for personal safety and location monitoring. Featuring a dedicated one-press SOS button for instant alerts, it provides GPS+LBS+Wi-Fi positioning and 4G&2G network connectivity. With a rechargeable battery, BLE 5.0, and remote management.

Applications

Personal Tracking

SOS — **One-Press SOS Alert**
A dedicated SOS button allows users to call for help instantly with a single press.

Multi-Tech GPS+LBS+Wi-Fi
Reliable positioning solution leveraging both satellite and terrestrial technologies.

4G & 2G Network
Different versions available for multiple regions.

Track History Playback
Displays, records, and replays movement paths with status for full visibility.

Remote OTA Management
Enables remote configuration and firmware upgrades for easy maintenance.

IP65 Water & Dust Resistant
Rugged, reliable design for steady outdoor performance.

GNSS

Positioning system	GPS, LBS, Wi-Fi with AGPS
Frequency	GPS L1: 1575.42 MHz
Positioning accuracy	5-10 m (5m CEP)
Sensitivity	Tracking sensitivity: -162 dBm Acquisition sensitivity: -148 dBm
TTFF (open sky)	Avg. cold start ≤ 35 sec Avg. hot start ≤ 2 sec
Wi-Fi	2.4 GHz, used for indoors tracking

Cellular

Communication network	LTE-M/NB-IoT/4G Cat1 + GSM
Frequency	**NT35E** LTE-M: B1, B2, B3, B4, B5, B8, B12, B13, B14, B18, B19, B20, B25, B26*, B27, B28, B66, B71 NB-IoT: B1, B2, B3, B4, B5, B8, B12, B13, B14, B85 (* Under Development) GSM: 850, 900, 1800, 1900 MHz **NT35U (Europe & Oceania)** LTE Cat1: B1, B3, B5, B7, B8, B20, B28 GSM: 850, 900, 1800, 1900 MHz **NT35D (Latin America)** LTE Cat1: B2, B3, B4, B5, B7, B8, B28, B66 GSM: 850, 900, 1800, 1900 MHz

Power

Battery	2900 mAh 3.7 V rechargeable Li-poly battery
Input voltage	3.7V DC
Operating current	Active < 60 mA

Interface

LED indication	Cellular (Red), GNSS (Green), Power (Blue)
USB	Type-C
SIM	Micro-SIM
Bluetooth	BLE 5.0 (iBeacon & Gateway)
Data storage	2000-packet offline storage capacity

Physical specification

Dimensions	L85 x W51 x H20 mm
Weight	95g

Certification

FCC (NT35E)	