

HT103



GPS + WIFI + LBS



Stolen Cargo Recovery



Portable

Smarter Tracking Total Visibility

HT103 is part of a next-generation shipment tracking solution. It is designed to meet the demands of cost-conscious logistics and cold chain operations across all transportation modes.



Smart Platform

Real-time shipment data is captured through the cloud platform, enabling instant notifications whenever anomalies are detected to help minimize operational impact.

Built for Efficiency


 4G Connectivity
2G Fallback

 Bluetooth 5.0
External Sensors

 GPS, LBS & WIFI
Indoor and Outdoor Location

 Temperature
Sensor

 Humidity
Sensor

 Light
Sensor

 Vibration
Sensor

 Waterproof
IP67 Rugged

Specifications

General

Network	4G CAT. 1 bis + 2G
Enclosure	ABS
Supply Voltage	3.7 V Rechargeable
Firmware Upgrade	USB interface, OTA
Stand-by Current	≤80 μA
IP Rating	IP67
Battery Life	Duration @ Reporting Frequency 10 days @ every 6 min 25 days @ every 15 min 50 days @ every 30 min 90 days @ every 60 min 2.1 year @ 1 report per day

Global Deployment

Global Variant	
LTE-FDD	B1/B2/B3/B4/B5/B7/B8/B12/B13/ B18/B19/B20/B25/B26/B28/B66
LTE-TDD	B34/B38/B39/B40/B41

Wireless

Data Support	TCP, MQTT
BlueTooth	BLE 5.0
WIFI	2.4 Ghz

Connector

USB	Type-C
Cellular Antenna	Internal
GNSS Antenna	Internal, GPS/GLONASS/ BeiDou/QZSS
SIM Card	Nano SIM

Electrical

Average Power Consumption	<80 μA (Sleep) <80 mA (Active)
Backup Battery	3500 mAh (Li-ion Polymer Battery, USB 5.0 V charging)
Temperature and Humidity Range	Humidity Measurement Accuracy: ±3% RH @ +10°C ~ +70°C Temperature Measurement Accuracy: ±0.5°C @ -20°C ~ +65°C

On board

LED	Power Light, Status Light
Memory	24000 records @ 43 bytes
3D Accelerometer	Internal 3-axis accelerometer
Vibration Sensor	Gravity Measurement Range: ±2g /±4g /±8g /±16g ODR Bandwidths: 25 Hz
Light Sensor	Measuring Range: 1~ 1000

Physical

Dimensions	116*69*15 mm
Weight	119 g

Positioning

Location Technology	GPS Engine GPS - L1 C/A, GLONASS-L1, BDS-B1I, QZSS- L1 C/A
Concurrent GNSS	GPS+GLONASS
Update Rate	1 Hz
Channels	32
Tracking Sensitivity	Acquisition: -147 dBm Reacquisition: -162 dBm Tracking: -161 dBm
TTFB @ -130dBm without EASY™	Cold Start: <30 s; Hot Start: <2 s
Reacquisition	<1 s
Assisted GPS	Supported
Location	GNSS / Cell ID / WIFI
Horizontal Position Accuracy @ 50% (static, 24 hours, -130 dBm, >6 satellites)	Autonomous: <2.5 m CEP