

HT104

Smarter Tracking Total Visibility

HT104 is designed to meet the demands of cost-conscious logistics and cold chain operations across all transportation modes with multiple external Bluetooth sensors.



GPS + WIFI + LBS



Stolen Cargo
Recovery



Portable - IP68

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



Light
Sensor



Vibration
Sensor



Waterproof
IP68 Rugged

Specifications

General

Network	4G CAT.1 bis+ 2G
Enclosure	ABS
Supply Voltage	3.6 V Non-Rechargeable
Firmware Upgrade	USB interface, OTA
Stand-by Current	≤80 μA
Battery Life	Duration @ Reporting Frequency 20 days @ every 6 min 55 days @ every 15 min 110 days @ every 30 min 200 days @ every 60 min 5 years @ 1 report per day

Global Deployment

For EMEA: HT104 -EM (Cat 1)	LTE FDD: B1/B3/B5/B7/B8/B20 GSM: 850/900/1800/1900 MHz
For Americas: HT104 -LA (Cat 1)	LTE FDD: B2/B3/B4/B5/B7/B8/B28/B66 GSM: 850/900/1800/1900 MHz

Wireless

Data Support	TCP, MQTT
BlueTooth	BLE 5.0
WIFI	2.4 Ghz

Connector

USB	Micro
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	7800 mAh - Lithium thionyl chloride batteries

On board

LED	Power Light, Status Light, Cell Light
Memory	16000 records
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	138*72*22 mm
Weight	192 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
TTFF @ -130 dBm 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