

HT101

Smarter Tracking Total Visibility

HT101 provides real-time visibility into the location, temperature, humidity, vibration, and light conditions of your goods in transit.



WIFI + LBS



Stolen Cargo
Recovery



Portable

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



Driver ID
Behavior Monitoring



Bluetooth 5.0
External Sensors



LBS & WiFi
Indoor and Outdoor Location



Temperature
Sensor



Humidity
Sensor



Light
Sensor



Vibration
Sensor

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
Operating Temperature	-10°C~60°C

Battery Life	Duration @ Reporting Frequency 8 days @ every 6 min 19 days @ every 15 min 37 days @ every 30 min 70 days @ every 60 min 1.9 years @ 1 report per day
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Global Deployment

For EMEA: HT101-EM (Cat 1)	LTE FDD: B1/B3/B5/B7/B8/B20 GSM: 850/900/1800/1900 MHz
For Americas: HT101-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
SIM Card	Nano SIM

On board

LED	Power Light, Status Light
Memory	16000 records @ 43 bytes
3D Accelerometer	Internal 3-axis accelerometer
Motion Sensor	Gravity Measurement Range: ±2g /±4g /±8g /±16g ODR Bandwidths: 25 Hz
Light Sensor	Measuring Range: 1~ 1000

Physical

Dimensions	121*61*8 mm
Weight	90 g

Electrical

Hardware Protection	Protection Against Reverse Polarity, ESD, Surge, and Overvoltage
Average Power Consumption	<80 μA (Sleep) <80 mA (Active)
Backup Battery	2500 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
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