

A background image of a city street at night, showing light trails from cars and buildings. The scene is overlaid with a grid of binary code (0s and 1s) and a glowing red lightning bolt, suggesting a smart city or IoT theme.

HUIYE Company Overview

With HUIYE, Connect to a Smarter Future

Oct. 2023

A large, stylized red graphic element on the right side of the slide, resembling a thick, rounded letter 'R' or a similar shape, with a white cutout in the center.

Huiye IoT Technology Co., Ltd.
www.huiye.com

With HUIYE, Connect to a Smarter Future



At HUIYE, we have the same vision to use our innovative spirit, decades of experience, and unparalleled IoT technology expertise to enable customers to transform and thrive in the connected world.





ABOUT HUIYE

HUIYE is a supplier of Bike Computers, GPS Trackers, and IoT solutions integrating R&D, manufacture, and sales service.

We meet the needs of every customer around the world with professional service capabilities and provide customers with safe, reliable, and high-quality products, and they have been widely used in the E-Bike, E-Scooter, Vehicle transportation, Asset tracking, Safety management, Sharing economy, and IoT industry.

15-Year Milestone | From the ODM to IoT



HUIYE has a long history of technology development and will continue to promote the application of new technologies in the Internet of Things.

Original Design Manufacturer 2007-2015

- 2007, HUIYE was founded.
- 2008, Established Shanghai R&D center.
- 2009-2010, Began the development of Qualcomm and MTK technology platform and became the 1st solution provider of Qualcomm in China.
- 2011-2015, Establish ODM strategic cooperation with overseas operators such as Sprint, T-Mobile, Orange and Reliance.



Internet of Things 2016-2022

- 2016, Established an IoT R&D center and started IoT product development.
- 2017, Established a manufacturing base in Chongqing.
- 2018-2020, Strategic cooperation with Sprint, Reliance, LG, SKT, and Docomo, more than 100 million products are shipped worldwide.
- 2021, Established R&D center in Chongqing.
- 2022, Launch Bike computer products
- 2023, HUIYE Bike Computer earns creative award honor at CHINA CYCLE 2023

Global Partners



HUIYE operates worldwide serving global OEMs and enterprises.

Qualcomm	MEDIATEK	BROADCOM	ublox	ST	SKYWORKS
BOSCH	Sprint	Reliance Industries Limited GreenLife	SK telecom	QUECTEL Build a Smarter World	SIMCom
BAFANG	Haier	Global Partners	LG	docomo	
Spireon	ALCATEL onetouch	Walt Disney	T	orange™	smartfren
TCL	Coolpad	MOTOROLA	TRANSION Together We Can	HANCOM HANCOM MDS	Bluebird

40000+ sqm Manufacture Base



The factory has ISO9001, ISO14001, OHSAS18001 and IATF16949 certifications.



State of the Art Facilities



Our advanced laboratory ensures the reliability of HUIYE products. We also offer testing services for our customers' devices, thus saving them costs and accelerating time to market.

1,000+ sqm
Laboratory



▲ Art. Mouth, Art. Ear,
UPL & ACQUA
System

Thermal Shock Chamber ▶



▲ Brine spray tester

◀ Micro-drop Tester



◀ Constant temperature
convection chamber









Drum tester ▶

◀ Key life tester






HUIYE Quality Control



Critical control point	Specific control introduction
 Design Quality Control	<ul style="list-style-type: none">➤ Use APQP, SWOT, DOE, FMEA, PPAP, and other tools to screen projects to be established, and collect customer's needs. Also, analyze and reduce project risk points.➤ NPI specialists control the productivity of the design.➤ DCC and PQE control the ECN process to avoid misunderstanding changes.
 Supplier Quality Control	<ul style="list-style-type: none">➤ Use APQA, SWOT, DOE, FMEA, PPAP and other tools to select qualified suppliers and manage qualified suppliers.➤ All materials must be purchased from a qualified supplier list (AVL).➤ Develop regular supplier coaching programs to improve supplier quality.
 On-site Quality Control	<ul style="list-style-type: none">➤ Use SOPs to standardize field operations.➤ Supervise checklist for whether the 5W1E on site is set up according to the SOP requirements.➤ Use SPC to control field operations quality.➤ Use PDCA to drive continuous improvement of field operations.
 Test Quality Control	<ul style="list-style-type: none">➤ All the test standards of Huiye comply with international quality test standards.➤ Use MSA tools to control test accuracy and precision.
 After Sales Support Services	<ul style="list-style-type: none">➤ Collect customer suggestions and needs in accordance with checklist requirements.➤ Use 8D tools to respond to customer complaints.➤ 24 hours response to customer requests and complaints.
 Continuous Improving	<ul style="list-style-type: none">➤ Use PDCA, internal audit, customer review, 6 Sigma management tools for continuous improvement.

R&D Quality Control



	Unit Test								
	System Test	▶ Function test	▶ Target test	▶ Pressure test	▶ Compatibility test	▶ Configuration test	▶ Control flow test	▶ Installation test	
	Automated Test	▶ Script test							
Software Test	Document Test	▶ Comparison test							
	Regression Test								
	Field Test	▶ Network search test	▶ Call / SMS / MMS Test	▶ Compatibility Test	▶ GPRS / EDGE Test	▶ Data transmission Test			
	RF Test	▶ RF performance (room temperature)	▶ RF performance (high temperature)	▶ RF performance (low temperature)	▶ 2D radiation test				
Hardware Test	Baseband Test	▶ Function test	▶ Audio test	▶ Power Test	▶ Slow clock	▶ Charge			
	EMC Test	▶ EMI / ESD	▶ Spurious						
	Data Test	▶ GPRS	▶ EDGE	▶ Data throughput					
	Parameter Test	▶ Function test (room temperature)	▶ Cold & hot shock test	▶ Drop test (first time)	▶ Temperature / cycle	▶ Drop test (second time)	▶ Vibration test	▶ Function test(Normal temperature)	
Reliability Test					▶ temperature / humidity				
	Mechanical Test	▶ Connector life test	▶ Repeated drop test						
	Special Conditions Test	▶ MTBF test (80 °C)							



Bike Computer



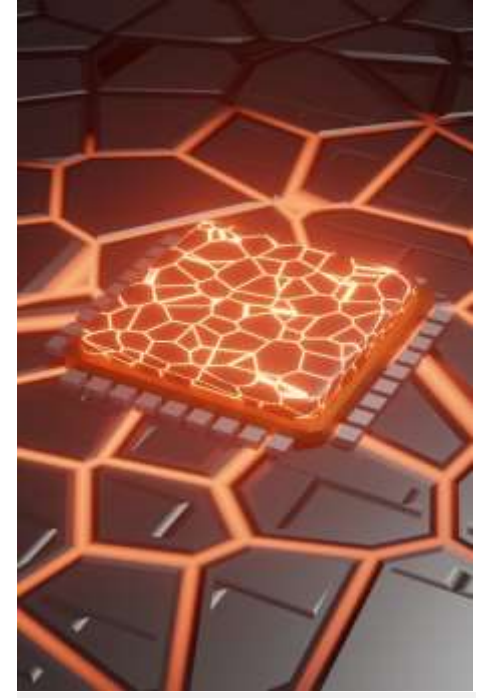
Vehicle Transportation



Asset Tracking



Safety Management



Customization

What We Do

We offer the most comprehensive set of IoT products and solutions for customers around the world.

Product Roadmap



IoT GPS Tracker- IoT Solutions

If stored for a long time(three months or half a year), Need to charge the battery one time, the cell should be stored in a drying and cooling place.

<p>HMN002-H - GSM</p>	<p>HYN001 - LTE Cat.1 & WCDMA & GSM</p>	<p>HYN002 - Cat M1 & NB-IoT</p>	<p>HMB001 - GSM - 4500mAh Battery</p>	<p>HM003 - WCDMA/GSM - 5700mAh Battery</p>	<p>QHY006 NEW - LTE Cat.1&GSM - 720mAh Battery</p>
<p>HYN100 NEW - LTE Cat.1 & GSM</p>	<p>HYN012 2024 - Cat M1 & NB-IoT</p>		<p>HYB001 - Cat M1&NB-IoT - 5600mAh Battery</p>	<p>QHY003 - Cat M1&NB-IoT - 280mAh Battery</p>	<p>HMB003 - GSM - 760mAh Battery</p>
Vehicle Tracker			Asset Tracker		Safety Management

Bike Computer

Notes: Users who use the Mapbox navigation need to pay. Don't plug and unplug with electricity, otherwise may damage the electronic control accessories.

<p>B06 NEW - LED - UART/CAN</p>	<p>S402 NEW - 4" LCD - UART/CAN/SIF</p>	<p>B02N - 2.4" IPS - UART/CAN</p>	<p>BM02 - 3.5" IPS - UART/CAN/SIF</p>	<p>M05 - 5" IPS - CAN/SIF/RS485</p>
<p>B03N - 2.8" IPS - UART/CAN/SIF</p>	<p>B04N - 3.5" IPS - UART/CAN/SIF</p>	<p>T01 NEW IoT - 4" IPS - UART/CAN/SIF/LTE Cat.1/GPS</p>		
For E-Bike/E-scooter			For Electric Motorcycle	



GPS Tracker

IoT Solutions for Vehicle Tracking, Fleet Management, Cold Chain Transportation, Logistics Monitoring, Personal/Pet Tracker



Vehicle Transportation



Vehicle Tracking



Fleet Management



Cold Chain Transportation



Logistics Monitoring



HMN002-H

GSM Vehicle Tracker with Multi-functional

- Dimensions: 87*23*12.6mm
 - Weight: 25±2g
 - Cellular Connectivity: GSM
- Supports 2G network
 - Based on MT2503DLV chip design
 - Small size can be rapid and flexible installation;
 - Supports 4-pin cable and Multiple interfaces, including digital and analog I/O;
 - Supports Micro SIM, FOTA;



HYN001

LTE Cat.1 Vehicle Tracker with Multi-functional

- Dimensions: 106*43.2*13.5mm
 - Weight: 64±2g
 - Cellular Connectivity: LTE Cat.1/WCDMA/GSM
- LTE Cat.1 with 3G and 2G fallback;
 - Supports BLE 5.0;
 - Small size can be rapid and flexible installation;
 - Multiple interfaces, including digital and analog I/O;
 - Supports **Serial Interface**
 - Supports various accessories, and supports Geo-fences, Tow Alarm, Speed Alarm and other functions;

Vehicle Transportation



Vehicle Tracking



Fleet Management



Cold Chain Transportation



Logistics Monitoring



HYN002/HYN012

Cat M1&NB-IoT Vehicle Tracker with Multi-functional

- Dimensions: 106*43.2*13.5mm
- Weight: 64±2g
- Cellular Connectivity: LTE Cat M1/NB-IoT

- Small size can be rapid and flexible installation;
- Supports BLE 5.0;
- Multiple interfaces, including digital and analog I/O
- Supports various accessories, and supports Geo-fences, Tow Alarm, Speed Alarm and other functions;

NEW

HYN100

Cat.1&GSM Vehicle Tracker with Multi-functional

- Dimensions: 106*43.2*13.5mm
- Weight: 67±2g
- Cellular Connectivity: LTE Cat.1/GSM

- Small size can be rapid and flexible installation;
- Supports FOTA, BLE, USB
- Multiple interfaces, including digital and analog I/O
- Supports various accessories, and supports Geo-fences, Tow Alarm, Speed Alarm and other functions;

Asset Tracking



Container Tracking



Vehicle Tracking



Device Tracking



Pharmaceutical Transportation



Cold Chain Transportation



HMB001

GSM Asset Tracker

- Dimensions: 79.4*42*26.5mm
- Weight: 95±2g
- Cellular Connectivity: GSM
- 4500mAh battery, Up to 3-year standby time;
- Waterproof, IP54- Robust, small and easy to install;
- Built-in 6-axis acceleration + gyro sensor for motion detection
- supports Anti-fake-base-station scanning, AGPS



HYB001

Cat M1&NB-IoT Asset Tracker with Large Battery

- Dimensions: 89.8*43.8*28mm
- Weight: 145±2g
- Cellular Connectivity: LTE Cat M1/NB-IoT
- 5600mAh battery, Up to 7-year standby time;
- Waterproof, IP67 compliant, can be used in harsh environments;
- Robust, small and easy to install;
- Built-in Light Sensor and Temperature Sensor;
- Supports Geo-fences, Low Battery Alarm, Removal Alarm and Motion Detection function;

Asset Tracking



Container Tracking



Vehicle Tracking



Device Tracking



Pharmaceutical Transportation



Cold Chain Transportation

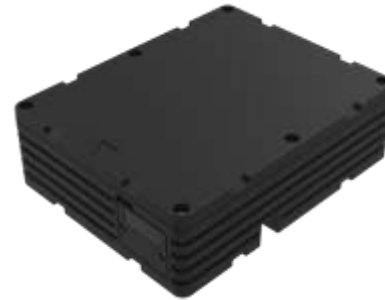
QHY003

Cat M1&NB-IoT Asset Tracker



- Dimensions: 66.8*66.8*5.65mm
- Weight: 23±2g
- Cellular Connectivity: LTE Cat M1/NB-IoT

- 280mAh Rechargeable Battery ;
- Low-power design;
- Waterproof, IP65 compliant, can be used in harsh environments;
- Built-in multiple sensors
- Supports Bluetooth
- Ultra-thin design, easy to install and carry
- Supports external USB sensor



HM003

WCDMA&GSM Asset Tracker with Large Battery

- Dimensions: 129*41*77mm
- Weight: 521.6±2g
- Cellular Connectivity: WCDMA&GSM

- 5700mAh battery, Up to 10-year standby time;
- Supports BLE;
- Built-in Acceleration Sensor, Gyroscope Sensor , Light Sensor , Temperature Sensor and Humidity Sensor .
- Supports Speed Alarm, Crash Detection and Fall Detection function;

Safety Management



Personal Tracker



Pet Tracker



Senior Care

QHY006

LTE Cat.1&GSM GPS Tracker

NEW



- Dimensions: 45.9*49.9*17.9mm
 - Weight: TBD
 - Cellular Connectivity: LTE Cat.1&GSM
- 720mAh Battery
- Easy and adjustable wearing
- Supports Bluetooth5.2+BLE;
- Waterproof, IP67 compliant, can be used in harsh environments;
- Built-in G-sensor & Light sensor;
- Supports voice and SoS functions;

HMB003

GSM Personal Tracker



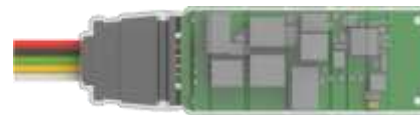
- Dimensions: 56*39.7*16mm
 - Weight: 60±2g
 - Cellular Connectivity: GSM
- 760mAh Rechargeable Battery ;
- Easy and adjustable wearing
- Supports BLE 3.0;
- Waterproof, IP54 compliant, can be used in harsh environments;
- Supports Low Battery Alarm and SOS Alarm function;

Accessories

BT Sensor-BK01



- Provide temperature, humidity and other sensors;
- IP67 Ingress Protection Rating;
- Low power. Up to 3 years operation;
- 3500mAh battery;
- BT link data to HM003 tracker host;



Wireless Relay -BK02

- Dimensions: 21*51*10mm;
- Weight: 20±1g;
- Supports BLE 5.0;
- Support FOTA;
- IP65 waterproof;

Relay



- Using at automotive purposes (engine kill, starter kill, etc.);
- Socket cable for installation wiring;

Temperature Sensor



- Designed for the demands of the environmental monitoring industry;
- Resolve losses caused by temperature change;

Fuel Sensor



- Ultrasonic Fuel Sensor;
- Designed to manage fleet fuel needs;
- Used to manage the consumption of fuel, optimize operating costs and monitor driving behavior;



Bike Computer

For E-Bike, E-scooter, Electric Motorcycle



Bike Computer



E-Bike



E-scooter

B06 (UART/CAN)

LED Bike Computer

NEW



- Screen: LED
- Dimensions: 26*45*48mm
- Holder Diameter: 22.2mm

Voltage: 12V/24V/36V/48V/60V

Working temperature: -20 °C - +70 °C

Ingress Protection Rating: IP67

Communication Protocol: UART/CAN

Bluetooth: 5.2 + BLE (Option)

Application: E-Bike/E-Scooter

NEW



S402 (UART/CAN/SIF)

4" LCD Bike Computer

- Screen: 4" LCD
- Dimensions: 104.3*62.5*13.95mm
- Holder Diameter: 22.2/25.4/31.8mm

Voltage: 12V/24V/36V/48V/60V

Working temperature: -20 °C - +70 °C

Ingress Protection Rating: IP67

Communication Protocol: UART/CAN/SIF

Interface: Type-C*

Bluetooth: 5.2 + BLE (Option)

Light Sensor: Option

Application: E-Bike/E-Scooter

Bike Computer



E-Bike



E-scooter

B02N (UART/CAN)

2.4" Bike Computer



- Screen: 2.4" IPS
- Dimensions: 86.8*50.5*12.5mm
- Holder Diameter: 22.2/25.4mm

Voltage: 12V/24V/36V/48V/60V

Working temperature: -20 °C - +70 °C

Ingress Protection Rating: IP67

Communication Protocol: UART/CAN

Interface: Type-C*

Bluetooth: 4.0 + BLE

Language: English, German, French, Chinese & Customization

Application: E-Bike/E-Scooter

B03N (UART/CAN/SIF)

2.8" Bike Computer



- Screen: 2.8" IPS
- Dimensions: 75.5*55.3*80mm
- Holder Diameter: 22.2/25.4/31.8mm

Voltage: 12V/24V/36V/48V/60V

Working temperature: -20 °C - +70 °C

Ingress Protection Rating: IP67

Communication Protocol: UART/CAN/SIF

Interface: Type-C *

Bluetooth: 4.0 + BLE

Language: English, German, French, Chinese & Customization

Application: E-Bike/E-Scooter

Bike Computer



E-Bike



E-scooter

B04N (UART/CAN/SIF)

3.5" Bike Computer



- Screen: 3.5" IPS
- Dimensions: 89.3 * 60.8 * 80 mm
- Holder Diameter: 22.2/25.4/31.8mm

Voltage: 12V/24V/36V/48V/60V

Working temperature: -20 °C - +70 °C

Ingress Protection Rating: IP67

Communication Protocol: UART/CAN/SIF

Interface: Type-C*

Bluetooth: 4.0 + BLE

Light Sensor: Option

Language: English, German, French, Chinese & Customization

Application: E-Bike/E-Scooter



BM02 (UART/CAN/SIF)

3.5" Bike Computer

- Screen: 3.5" IPS
- Dimensions: 120.1*78.3*15.3mm
- Holder Diameter: 22.2/25.4/31.8mm

Voltage: 12V/24V/36V/48V/60V

Working temperature: -20 °C - +70 °C

Ingress Protection Rating: IP67

Communication Protocol: UART/CAN/SIF

Interface: Type-C

Bluetooth: 4.0 + BLE

Light Sensor: Option

Language: English, German, French, Chinese & Customization

Application: E-Bike/E-Scooter

Bike Computer



Electric Motorcycle



E-Bike



E-scooter

T01 (LTE Cat.1/GPS/UART/CAN/SIF)

4" Bike Computer

NEW IoT



- Screen: 4" IPS
- Dimensions: 122*76.2*16mm
- Holder Diameter: 22.2/25.4mm

Voltage: 12V/24V/36V/48V/60V

Working temperature: -20 °C - +70 °C

Ingress Protection Rating: IP65

Network: LTE Cat.1

Protocol: UART/CAN/SIF

Light Sensor: Option

Bluetooth: 5.2 + BLE(Optional)

GPS: Support

Interface: Type-C*

M05 (SIF/RS485/CAN)

5" Bike Computer



- Screen: 5" IPS
- Dimensions: 137.8*97.28*27mm
- Resolution: 800*480px

Working voltage: 12V

Working temperature: -20 °C - +70 °C

Ingress Protection Rating: IP65

Communication Protocol: SIF/RS485/CAN

Light Sensor: Support

Bluetooth: 5.2 + BLE

Interface: Type-C

WiFi: 2.4GHz, 802.11b/g/n

Application: Electric Motorcycle

HUIYE Remote Control



K31

- Length*Width*Height: 44.1*43.5*46mm
- Holder Diameter: 22.2mm
- Connector: M5 Waterproof Connector
- Ingress Protection Rating: IP67



K33

- Length*Width*Height: 23*48.9*42.6mm
- Holder Diameter: 22.2mm
- Connector: M5 Waterproof Connector
- Ingress Protection Rating: IP67



Website



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Thank You

Huiye IoT Technology Co., Ltd.

E-mail: marketing@huiye.com

Web: www.huiye.com

