

Kingwo IoT



Make Your Assets Talk

2026 PRODUCT CATALOG

Make Your Assets Talk

Shenzhen Kingwo IoT Co., Ltd. (hereafter "Kingwo") is a leading global provider of innovative location-based products and IoT solutions. We design and develop intelligent hardware by integrating advanced technologies like satellite positioning (GPS/GNSS), smart sensors, and AI. Powered by our self-developed IoT SaaS data platform, Kingwo creates a seamless "Hardware-to-Cloud-to-AI" ecosystem designed to Make Your Assets Talk - transforming raw data into actionable intelligence and enabling clients to enhance operational efficiency and drive innovation.

With a foundation built since 2009, Kingwo leverages dedicated R&D teams and a growing patent portfolio to drive continuous innovation. Our products are rigorously tested and certified to global standards (including CE, FCC, and RoHS), ensuring reliability and international compliance. These proven solutions empower a wide range of industries - from smart logistics, fleet management, and cold chain transportation to vehicle safety, public transportation, banking, postal services, and military operations - to solve critical challenges and achieve tangible progress.

Kingwo's vision for the future extends beyond technology. A true partnership is defined by outstanding support. Kingwo is committed to providing the expert guidance and responsive service necessary to help our clients in their digital transformation initiatives.

As of 2026

20+ Million

Connected Devices Operating Globally

500+

Corporate Clients Worldwide

200+

Intellectual Property Assets & Certifications

100+

Countries with Active Platform Services

800+

Operators Powered by Our Technology

► 2022 -- 2025 Global Scale & Excellence Quality

- Renewed accreditation as a National High-Tech Enterprise
- Certified to IATF 16949 Automotive Quality Standards
- Reached 20 million terminal sales milestone
- Extended platform services to 100+ countries

► 2019 – 2021 Strategic Diversification & Global Infrastructure

- Launched T-Box pre-installed solutions
- Expanded into personal safety location services
- Deployed global data servers in Silicon Valley, USA
- Grew IP portfolio to 100+ patents
- Extended domestic reach with new offices

► 2016 – 2018 Accelerated Growth & Industry Leadership

- Accredited as a National High-Tech Enterprise
(a significant national recognition of R&D capability)
- Surpassed 10 million connected devices globally
- Expanded IP portfolio to 50+ patents

► 2013 – 2015 Technological Recognition & Early Achievements

- Designated as a Shenzhen High-Tech Enterprise
- Accumulated 10+ intellectual property patents
- Earned national recognition as a quality-certified supplier

► 2009 -- 2012 Foundations & Market Expansion

- Shenzhen-based Kingwo IoT established
- Established an integrated sales and distribution channel
- Obtained JT/T 794-2011 Certification



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Kingwo IoT

ASSET TRACKERS



RT67

LoRaWAN GPS Tracker

RT67 LoRaWAN GPS tracker is a rugged IP65 asset tracker for long-range monitoring. Combines GPS, LoRa & BLE for reliable positioning, features an 8,100mAh battery, tamper/vibration alerts, and <20 μ A sleep current for secure, low-maintenance asset & inventory management.



Applications



Assets Tracking



Inventory Management



5-Year Battery Life

8,100mAh disposable lithium-ion battery, 15-minute reporting interval for 5+ years.



Multi-Tech GPS+LoRa+BLE

Reliable positioning solution leveraging both satellite and terrestrial technologies.



Tamper Alert

Light & vibration sensors will report alerts for abnormal removal and vibration.



Temperature Monitor

Built-in temperature sensor monitors board temperature.



20 μ A Sleep Current

Draws <20 μ A in standby to extend battery life and lower routine maintenance.



IP65 Water & Dust Resistant

Rugged, reliable design for steady outdoor performance.

GNSS

Positioning system	GPS, LoRa, BLE	
Frequency	GPS L1: 1575.42 MHz	
Positioning accuracy	5 m CEP	
Tracking sensitivity	-162 dBm	
Acquisition sensitivity	-148 dBm	
TTFF (open sky)	Avg. cold start \leq 35 sec	Avg. hot start \leq 2 sec

LoRa

Frequency	902-928 MHz
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Power

Battery	8100 mAh 3.6 V disposable lithium-ion battery	
Input voltage	3.6V DC	
Self-discharge rate	< 1% per year (storage temperature < +25°C)	
Operating current	Active < 50 mA	Sleep < 20 μ A
Working modes	Periodic/Clock/Week/Motion & Static/Bluetooth Scan/Warehouse/Tracking Mode	

Interface

LED indication	LoRa (Red), GNSS (Green)
Bluetooth	BLE 5.1 (iBeacon & Gateway)
Data storage	128-packet offline storage capacity
Antenna	Internal high-gain GNSS & LoRa antenna
Tamper proof	Light sensor tamper alarm

Physical specification

Dimensions	L126 x W67 x H22 mm
Weight	156g

Operating environment

Temperature	Operating temperature: -30°C ~ +80°C	Storage temperature: -40°C ~ +85°C
Operating humidity	5% ~ 95% (no fog)	
IP rating	IP65	

LT07

4G Magnetic Asset Tracker

The LT07 Series is a compact 4G magnetic tracker for long-term container and mobile asset management. Featuring a 2,700 mAh large-capacity battery, strong magnetic base, and multi-tech GPS+LBS+Wi-Fi positioning, it provides reliable location tracking. With light-sensing tamper detection and geo-fence alerts, it ensures secure.



Applications



Logistics Transportation



Mobile Asset Management



3-Year Battery Life

2,700 mAh disposable lithium-ion battery, with a once-daily reporting cycle for 3+ years.



Multi-Tech GPS+LBS+Wi-Fi

Reliable positioning solution leveraging both satellite and terrestrial technologies.



4G & 2G Network

Different versions available for multiple regions.



Strong Magnetic Base

With strong magnets for secure attachment and easy mounting on various surfaces.



Light-Sensing Tamper Detection

Automatically triggers an alert if exposed to light, preventing unauthorized removal.



Geo-fence Guard

Configurable virtual zones to provide immediate notification of boundary crossing.

GNSS

Positioning system	GPS, LBS, Wi-Fi with AGPS	
Frequency	GPS L1: 1575.42MHZ	
Positioning accuracy	Less than 10 meters	
Tracking sensitivity	-165 dBm	
Acquisition sensitivity	Avg. cold start: -148 dBm	Avg. hot start: -159 dBm
TTFF (open sky)	Avg. cold start ≤ 35 sec	Avg. hot start ≤ 1 sec

Cellular

Communication network	4G+2G	
Frequency	LT07G (Asia):	
	FDD LTE: B1, B3, B5, B8	
	TDD LTE: B34, B38, B39, B40, B41	
	LT07U (Europe & Oceania):	
	FDD LTE: B1, B3, B7, B8, B20, B28	GSM/GPRS/EDGE: B3, B8
	LT07D (Latin America):	
	FDD LTE: B1, B2, B3, B4, B5, B7, B8, B28, B66	TDD LTE: B40
	GSM/GPRS/EDGE: B2, B3, B5, B8	

Power

Battery	2700 mAh 3.6 V disposable lithium-ion battery
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Interface

LED indication	Cellular (Red), GNSS (Green)	
SIM	Micro-SIM	
Data storage	4G+2G ver. 16-packet offline storage capacity	4G ver. 128-packet offline storage capacity

Physical specification

Dimensions	L64.5 x W41.5 x H30.5 mm (with magnet)	L64.5 x W41.5 x H27 mm (without magnet)
Weight	100 g (with magnet)	78 g (without magnet)

Operating environment

Temperature	Operating temperature: -20°C ~ +70°C Storage temperature: -40°C ~ +85°C	
Operating humidity	5% ~ 95%	
IP rating	IP54	

LT15D

4G Mini Magnets Tracker

LT15D 4G LTE asset tracker is a compact, magnetic-mount device for reliable asset monitoring. It combines GPS, LBS, and Wi-Fi for positioning over 4G Cat 1 networks. With a 4,200mAh battery, light-sensing tamper detection, and geo-fence alerts, it enables secure, long-term tracking.



Applications



Assets Tracking



Car Tracking



3-Year Battery Life

4,200mAh disposable Li-MnO₂ battery, with a once-daily reporting cycle for 3+ years.



Multi-Tech GPS+LBS+Wi-Fi

Reliable positioning solution leveraging both satellite and terrestrial technologies.



4G LTE Network

Communication via 4G Cat 1 networks.



Magnetic & Adhesive Mounting

Strong magnets and 3M adhesives for secure attachment on various surfaces.



Light-Sensing Tamper Detection

Automatically triggers an alert if exposed to light, preventing unauthorized removal.



Geo-fence Guard

Configurable virtual zones to provide immediate notification of boundary crossing.

GNSS

Positioning system	GPS, LBS, Wi-Fi with AGPS	
Frequency	GPS L1: 1575.42 MHz	
Positioning accuracy	Less than 10 meters	
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	4G Cat1	
Frequency	FDD LTE: B1, B2, B3, B4, B5, B7, B8, B28, B66	TDD LTE: B40

Power

Battery	4200 mAh 3.0 V disposable Li-MnO ₂ battery	
Input voltage	3.0V DC	
Operating current	Active < 100 mA	Sleep < 8 uA
Working modes	Periodic/Clock/Week/Warehouse/Tracking Mode	

Interface

LED indication	Cellular (Red), GNSS (Green)	
Data storage	128-packet offline storage capacity	
Antenna	Internal high-sensitivity GNSS ceramic antenna & 4G/Wi-Fi antenna	
Tamper proof	Light sensor tamper alarm	

Physical specification

Dimensions	L78 x W41.5 x H30.5 mm (with magnet)	
Weight	100g (with magnet)	

Operating environment

Temperature	Operating temperature: -20°C ~ +70°C	Storage temperature: -40°C ~ +85°C
Operating humidity	5% ~ 95%	
IP rating	IP54	

Certification

FCC

LT53

4G Rechargeable Magnets Tracker

LT53 4G LTE GPS tracker is a rugged IP65 device for robust asset monitoring. It combines GPS, LBS, and Wi-Fi for reliable positioning via 4G LTE networks. With a rechargeable 5,200mAh battery supporting 10W fast charging, light-sensing tamper detection, and onboard temperature monitoring, it offers versatile.



Applications



Shipment Tracking



Car Tracking



Private Cars



Fast Charging

The rechargeable battery supports 10W fast charging for rapid power replenishment.



Multi-Tech GPS+LBS+Wi-Fi

Reliable positioning solution leveraging both satellite and terrestrial technologies.



4G LTE Network

Communication via 4G LTE networks.



Magnetic & Adhesive Mounting

Strong magnets and 3M adhesives for secure attachment on various surfaces.



Light-Sensing Tamper Detection

Automatically triggers an alert if exposed to light, preventing unauthorized removal.



IP65 Water & Dust Resistant

Rugged, reliable design for steady outdoor performance.

GNSS

Positioning system	GPS, LBS, Wi-Fi with AGPS (50 channels)	
Frequency	GPS L1: 1575.42 MHz	
Positioning accuracy	5-10 m	
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	4G LTE
Frequency	FDD LTE: B1, B3, B5, B8

Power

Battery	5200 mAh 3.7 V rechargeable Li-poly battery	
Input voltage	3.7V DC	
Operating current	Active < 50 mA	Sleep < 65 uA
Working modes	Real-time Track/Sleep/Latent Mode	

Interface

LED indication	Cellular (Red), GNSS (Green), Power (Blue)	
USB	Type-C (10W fast charging)	
SIM	Nano-SIM	
Data storage	2000-packet offline storage capacity	
Antenna	Internal high-gain GNSS & Cellular antenna	
Tamper proof	Light sensor tamper alarm	

Physical specification

Dimensions	L110 x W68 x H25 mm
Weight	233g

Operating environment

Temperature	Operating temperature: -30°C ~ +80°C	Storage temperature: -40°C ~ +85°C
Operating humidity	5% ~ 95% (no fog)	

NT53

4G/LTE-M Rechargeable Magnets Tracker

The NT53 series 4G/LTE-M rechargeable magnetic trackers are a versatile solution for fleet and asset monitoring. Designed with a robust IP65-rated magnetic base for instant attachment, it features a 5,200mAh fast-charging battery for sustained operation. It delivers reliable multi-tech positioning across regional 4G & 2G networks.



Applications



Shipment Tracking



Car Tracking



Private Cars



5,200 mAh Battery

Built-in 5,200 mAh battery with 10W USB-C fast charging.



Multi-Tech GPS+LBS+Wi-Fi

Reliable positioning solution leveraging both satellite and terrestrial technologies.



4G & 2G Network

Different versions available for multiple regions.



Strong Magnet Mount

A wireless magnetic base for simple, tool-free installation on the metal surface.



BLE 5.0 Connectivity

Built-in Bluetooth iBeacon for broadcasting and proximity detection.



IP65 Water & Dust Resistant

Rugged, reliable design for steady outdoor performance.

GNSS

Positioning system	GPS, LBS, Wi-Fi with AGPS (50 channels)	
Frequency	GPS L1: 1575.42 MHz, C/A Code	
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	NT53E 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 NT53U (Europe & Oceania) LTE Cat1: B1, B3, B5, B7, B8, B20, B28 GSM: 850, 900, 1800, 1900 MHz NT53D (Latin America) LTE Cat1: B2, B3, B4, B5, B7, B8, B28, B66 GSM: 850, 900, 1800, 1900 MHz	

Power

Battery	5200 mAh 3.7 V rechargeable Li-poly battery
Input voltage	3.7V DC
Operating current	Active < 50 mA
Working modes	Real-time Track/Sleep/Latent Mode

Interface

LED indication	Cellular (Red), GNSS (Green), Power (Blue)
USB	Type-C (10W fast charging)
Bluetooth	BLE 5.0 (iBeacon supported)
Data storage	2000-packet offline storage capacity

Physical specification

Dimensions	L110 x W68 x H24.8 mm
Weight	230g

Certification

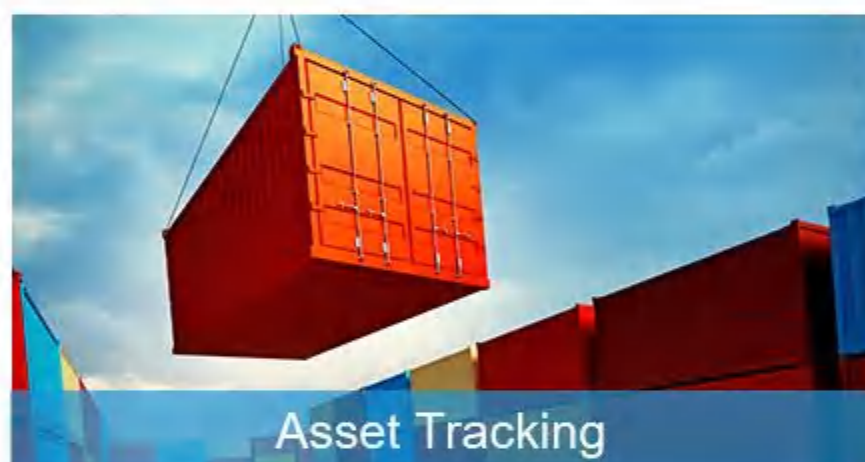
CE, FCC, RoHS

NT08 4G/LTE-M Super Long Standby Tracker

NT08 4G/LTE-M long standby tracker series is a rugged IP67 solution for ultra-long-term asset monitoring. It features a 20,000mAh battery for 10+ years' operation, combining GPS with LBS and Wi-Fi for reliable positioning. It supports 4G & 2G networks in various regions. With wireless magnetic mounting, light-sensing tamper detection, and remote OTA.



Applications



Asset Tracking



Heavy Equipment Tracking



Rental Equipment Tracking

- 
10-Year Battery Life
 20,000mAh disposable lithium-ion battery, with a once-daily reporting cycle for 10+ years.
- 
Multi-Tech GPS+LBS+Wi-Fi
 Reliable positioning solution leveraging both satellite and terrestrial technologies.
- 
Ultra-Low Self-Discharge
 Minimal sleep current and self-discharge rate for long-term, low-maintenance operation.
- 
Wireless Magnetic Mount
 Installs securely in minutes with strong magnets and backup screws, no wiring required.
- 
Light-Sensing Tamper Detection
 Automatically triggers an alert if exposed to light, preventing unauthorized removal.
- 
IP67 Water & Dust Resistant
 Tough, reliable design for stable operation in demanding conditions.

GNSS

Positioning system	GPS, LBS, Wi-Fi with AGPS (50 channels)	
Frequency	GPS L1: 1575.42 MHz, C/A Code	
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	NT08E 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 NT08U (Europe & Oceania) LTE Cat1: B1, B3, B5, B7, B8, B20, B28 GSM: 850, 900, 1800, 1900 MHz NT08D (Latin America) LTE Cat1: B2, B3, B4, B5, B7, B8, B28, B66 GSM: 850, 900, 1800, 1900 MHz	

Power

Battery	20000 mAh 3.6 V disposable lithium-ion battery	
Self-discharge rate	< 1% per year (storage temperature < +25°C)	
Operating current	Active < 100 mA	Sleep < 15 uA
Working modes	Periodic/Clock/Week/Motion & Static/Warehouse/Tracking Mode	

Interface

LED indication	Cellular (Red), GNSS (Green)	
Bluetooth	Bluetooth 5.0	
Data storage	1000-packet offline storage capacity	
Antenna	Internal high-gain GNSS & Cellular antenna	

Physical specification

Dimensions	L176.8 x W85 x H30.4 mm
Weight	447g

Certification

CE, FCC, RoHS

NT09

4G/LTE-M Big Rechargeable Tracker

The NT09 series 4G/LTE-M high-capacity rechargeable trackers are a rugged, IP65-rated solution for demanding asset and vehicle monitoring. They are centered on a fast-charging 12,000mAh battery and provide GPS, LBS, and Wi-Fi positioning over 4G & 2G networks. Equipped with features like wireless magnetic mounting, tamper detection.



Applications



12,000 mAh Battery

Built-in 12,000 mAh battery with 10W USB-C fast charging.



Multi-Tech GPS+LBS+Wi-Fi

Reliable positioning solution leveraging both satellite and terrestrial technologies.



BLE 5.0 Connectivity

Supports iBeacon broadcasting and gateway mode.



Wireless Magnetic Mount

Installs securely in minutes with strong magnets and backup screws, no wiring required.



Light-Sensing Tamper Detection

Automatically triggers an alert if exposed to light, preventing unauthorized removal.



IP65 Water & Dust Resistant

Rugged, reliable design for steady outdoor performance.

GNSS

Positioning system	GPS, LBS, Wi-Fi with AGPS (50 channels)	
Frequency	GPS L1: 1575.42 MHz, C/A Code	
Positioning accuracy	5-10m (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	NT09E 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 NT09U (Europe & Oceania) LTE Cat1: B1, B3, B5, B7, B8, B20, B28 GSM: 850, 900, 1800, 1900 MHz NT09D (Latin America) LTE Cat1: B2, B3, B4, B5, B7, B8, B28, B66 GSM: 850, 900, 1800, 1900 MHz	

Power

Battery	12000 mAh 3.7 V rechargeable Li-poly battery
Self-discharge rate	3.7V DC
Operating current	Active < 50 mA
Working modes	Real-time Track/Sleep/Latent Mode

Interface

LED indication	Cellular (Red), GNSS (Green), Power (Blue)
USB	Type-C (10W fast charging)
Bluetooth	BLE 5.0 (iBeacon & Gateway)
Data storage	2000-packet offline storage capacity

Physical specification

Dimensions	L154 x W85x H30 mm
Weight	494g

Certification

CE, FCC, RoHS

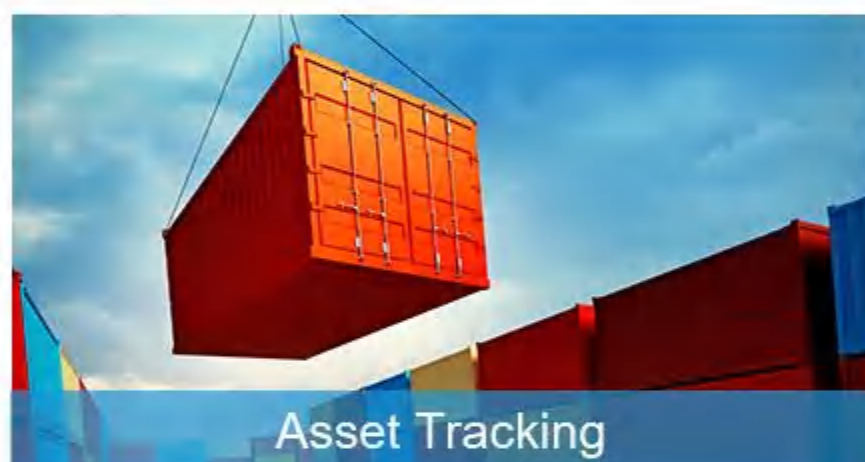
NT27

4G/LTE-M Long Standby Magnets Tracker

The NT27 Series delivers 5 years of reliable tracking and easy deployment, intended for asset tracking and management. Its enhanced magnetic mount, while the 8,100mAh battery and robust IP67 design ensure long-lasting performance for monitoring heavy equipment and rental assets via GPS+LBS+Wi-Fi and regional 4G/LTE-M+2G networks.



Applications



Asset Tracking



Heavy Equipment Tracking



Rental Equipment Tracking



5-Year Battery Life

8,100mAh disposable lithium-ion battery, with a once-daily reporting cycle for 5+ years.



Multi-Tech GPS+LBS+Wi-Fi

Reliable positioning solution leveraging both satellite and terrestrial technologies.



4G & 2G Network

Different versions available for multiple regions.



Enhanced Magnetic Mount

Strong magnet base with 3M adhesive, and backup screws for secure installation.



Temperature Monitor

Built-in temperature sensor monitors board temperature.



IP67 Water & Dust Resistant

Tough, reliable design for stable operation in demanding conditions.

GNSS

Positioning system	GPS, LBS, Wi-Fi with AGPS (50 channels)	
Frequency	GPS L1: 1575.42 MHz, C/A Code	
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	NT27E 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 NT27U (Europe & Oceania) LTE Cat1: B1, B3, B5, B7, B8, B20, B28 GSM: 850, 900, 1800, 1900 MHz NT27D (Latin America) LTE Cat1: B2, B3, B4, B5, B7, B8, B28, B66 GSM: 850, 900, 1800, 1900 MHz	

Power

Battery	8100 mAh 3.6 V disposable lithium-ion battery	
Self-discharge rate	< 1% per year (storage temperature < +25°C)	
Operating current	Active < 100 mA	Sleep < 15 uA
Working modes	Periodic/Clock/Week/Motion & Static/Warehouse/Tracking Mode	

Interface

LED indication	Cellular (Red), GNSS (Green)	
Bluetooth	BLE 5.0 (iBeacon & Gateway)	
Data storage	1000-packet offline storage capacity	
Antenna	Internal high-gain GNSS & Cellular antenna	

Physical specification

Dimensions	L116 x W69.2x H32.5 mm
Weight	208g

Certification

CE, FCC, RoHS

Kingwo IoT

VEHICLE TRACKERS



LT02G

4G Mini Tracker

The LT02G 4G mini vehicle tracker is a compact, wired solution for professional fleet and motor vehicle management. Its ultra-wide 9-100V DC input powers reliable GPS & LBS positioning across major Asian 4G networks. Featuring integrated motion detection, geo-fence alerts, and mileage calculation.



Applications



Ultra-Wide Voltage Input

9-100V DC input range ensures reliable operation in various vehicles or machinery.



GPS & LBS Positioning

Reliable positioning solution leveraging both satellite and terrestrial technologies.



4G LTE Network

Compatible with major Asian 4G networks, supporting both FDD and TDD standards.



Motion Detection

Built-in G-sensor supports vibration alerts and driving behavior analysis.



Geo-fence Guard

Configurable virtual zones to provide immediate notification of boundary crossing.



Mileage Calculation

Support mileage calculated based on GPS and report to the backend.

GNSS

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

Cellular

Communication network	4G LTE	
Frequency	TDD LTE: B34, B38, B39, B40, B41	FDD LTE: B1, B3, B5, B8

Power

Battery	60 mAh 3.6 V rechargeable Li-poly battery	
Input voltage	9-100V DC	
Battery protection	200V reverse connection protection, main power voltage detection	
Operating current	Active < 30 mA @ 12V DC	Sleep < 5 mA @ 12V DC

Interface

LED indication	Cellular (Green), GNSS (Blue), Power (Red)	
SIM	Nano-SIM	
Data storage	400-packet offline storage capacity	
Connector	2PIN/4PIN	
Antenna	Internal GNSS ceramic antenna & 4G antenna	
Tamper proof	Main power cut alarm	

Physical specification

Dimensions	L76 x W28 x H14 mm
Weight	30g

Operating environment

Temperature	Operating temperature: -20°C ~ +70°C	Storage temperature: -40°C ~ +85°C
Operating humidity	5% ~ 95%	
IP rating	IP54	

LT32

4G Cat1 Vehicle Tracker

LT32 4G Cat1 vehicle tracker is a compact solution for professional fleet management. With a 9-100V wide voltage input and multi-tech GPS, LBS, and Wi-Fi positioning, it operates across a diverse range of vehicles. Optional RS485/TTL interfaces support peripherals like TPMS and fuel sensors for customized real-time monitoring.



Applications



Fleets Tracking



Car Rental



Motorbike Tracking

- 
Ultra-Wide Voltage Input
 9-100V DC input range ensures reliable operation in various vehicles or machinery.
- 
Multi-Tech GPS+LBS+Wi-Fi
 Reliable positioning solution leveraging both satellite and terrestrial technologies.
- 
Multi-Band 4G LTE Network
 Offers region-specific models with optimized band support for global or local connectivity.
- 
Track History Playback
 Displays, records, and replays movement paths with status for full visibility.
- 
Real-Time Location Tracking
 Provides dynamic location updates on a live map for instant situational awareness.
- 
Optional RS485/TTL Interfaces
 Easily connect various peripherals and sensors, enabling expanded functionality.

GNSS

Positioning system	GPS, LBS, Wi-Fi with AGPS	
Frequency	GPS L1: 1575.42 MHz	
Positioning accuracy	5-10 m (5m CEP)	
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	4G LTE
Frequency	LT32A (Basic): FDD LTE: B1, B3, B5, B8; TDD LTE: B34, B38, B39, B40, B41 LT32G (Asia): FDD LTE: B1, B3, B5, B8; TDD LTE: B34, B38, B39, B40, B41 LT32U (Europe & Oceania): FDD LTE: B1, B3, B5, B7, B8, B20, B28 LT32D (Latin America): FDD LTE: B2, B3, B4, B5, B7, B8, B28, B66

Power

Battery	60 mAh 3.6 V rechargeable Li-poly battery
Input voltage	9-100V DC
Battery protection	200V reverse connection protection, main power voltage detection
Operating current	Active < 30 mA @ 12V DC Sleep < 5 mA @ 12V DC
Working modes	Motion & Static Auto-Switch

Interface

LED indication	Cellular (Red), GNSS (Green)
SIM	Micro-SIM
I/O Interface (>5PIN)	1 RELAY, 2 DI (ACC, Reserved), 1 AI (0-33V)
Data storage	1000-packet offline storage capacity for each communication link
Connector	2PIN/4PIN/6PIN/8PIN
Antenna	Internal high-gain GNSS & Cellular antenna

Physical specification

Dimensions	L75 x W40 x H14.5 mm
Weight	45g

LT42

4G/BLE Multifunctional Vehicle Tracker

LT42 series 4G/BLE multifunctional vehicle tracker are rugged IP67-rated devices designed for demanding fleet and electric vehicle monitoring. They feature BLE 5.0 for direct wireless connection to sensors and controls, alongside optional RS485/TTL interfaces for advanced peripheral integration.



Applications



Fleets Tracking



Commercial Vehicle Tracking



BMS



Ultra-Wide Voltage Input

9-100V DC input range ensures reliable operation in various vehicles or machinery.



Multi-Tech GPS+LBS+Wi-Fi

Reliable positioning solution leveraging both satellite and terrestrial technologies.



Multi-Band 4G LTE Network

Offers region-specific models with optimized band support for global or local connectivity.



IP67 Water & Dust Resistant

Advanced waterproof and dustproof for reliable operation in wet and harsh conditions.



BLE 5.0 for Sensors & Controls

Connects to Bluetooth devices like fuel sensors and relays for expanded functionality.



Optional RS485/TTL Interfaces

Easily connect various peripherals and sensors, enabling expanded functionality.

GNSS

Positioning system	GPS, LBS, Wi-Fi with AGPS	
Frequency	GPS L1: 1575.42 MHz	
Positioning accuracy	5-10 m (5m CEP)	
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	4G LTE	
Frequency	LT42G (Asia): FDD LTE: B1, B3, B5, B8 TDD LTE: B34, B38, B39, B40, B41 LT42U (Europe & Oceania): LTE B1, B3, B5, B7, B8, B20, B28 LT42D (Latin America): LTE B2, B3, B4, B5, B7, B8, B28, B66	

Power

Battery	60 mAh 3.7 V rechargeable Li-poly battery	
Input voltage	9-100V DC	
Battery protection	200V reverse connection protection, main power voltage detection	
Operating current	Active < 30 mA @ 12V DC	Sleep < 5 mA @ 12V DC
Working modes	Motion & Static Auto-Switch	

Interface

LED indication	Cellular (Red), GNSS (Green)	
SIM	Micro-SIM	
Bluetooth	BLE 5.0 supports connection to devices like fuel/T&H sensors and relay	
I/O Interface	2 Digital Output (Fuel/Electric Cutoff, Reserved)	2 Digital Inputs (ACC, Active-Low Input)
Data storage	1000-packet offline storage capacity for each communication link	
Connector	8PIN	
Antenna	Internal high-gain GNSS & Cellular antenna	

Physical specification

Dimensions	L85 x W56 x H20 mm
Weight	56g

NT52

4G/LTE-M Vehicle Tracker with CANBUS

The NT52 series 4G/LTE-M vehicle trackers are rugged IP67 devices for advanced fleet and commercial vehicle management. Featuring an expandable CAN bus port for direct vehicle data integration and driver behavior analysis. With 9-100V wide voltage input, they deliver GPS & LBS positioning over regional 4G & 2G networks.



Applications



Fleets Tracking



Commercial Vehicle Tracking



Ultra-Wide Voltage Input

9-100V DC input range ensures reliable operation in various vehicles or machinery.



GPS & LBS Positioning

Reliable positioning solution leveraging both satellite and terrestrial technologies.



4G & 2G Network

Different versions available for multiple regions.



IP67 Water & Dust Resistant

Advanced waterproof and dustproof for reliable operation in wet and harsh conditions.



Driving Safety Guardian

Monitors harsh driving and provides alerts with behavior analysis for fleet safety.



Expandable CAN Bus Ports

Features 1 standard CAN port, expandable to 2 for flexible vehicle data integration.

GNSS

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

Cellular

Communication network	LTE-M/NB-IoT/4G Cat1 + GSM	
Frequency	NT52E 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 NT52U (Europe & Oceania) LTE Cat1: B1, B3, B5, B7, B8, B20, B28 GSM: 850, 900, 1800, 1900 MHz NT52D (Latin America) LTE Cat1: B2, B3, B4, B5, B7, B8, B28, B66 GSM: 850, 900, 1800, 1900 MHz	

Power

Battery	300 mAh rechargeable Li-poly battery	
Input voltage	9-100V DC	
Battery protection	200V reverse connection protection, main power voltage detection	
Operating current	Active < 30 mA @ 12V DC	Sleep < 5 mA @ 12V DC

Interface

LED indication	Cellular (Red), GNSS (Green)	
SIM	Nano-SIM	
Bluetooth	Bluetooth 4.2 (supported on NT52U/D models only)	
Serial ports	1x RS485 port	
CAN Bus	1 port (default), expandable to 2	

Physical specification

Dimensions	L85 x W56 x H20 mm
Weight	56g

MT100

2G Vehicle Tracker

MT100 2G vehicle tracker is a cost-effective, compact solution for fundamental fleet and vehicle tracking. It provides reliable GPS & LBS positioning and communicates via 2G GSM networks, featuring a wide 9-100V DC input for broad vehicle compatibility. With built-in ignition detection, driving behavior analysis.



Applications



Fleets Tracking



Car Rental



Motorbike Tracking

- 
Ignition Status Detection
 Detects vehicle power state through a direct wire connection to the ACC line.
- 
GPS & LBS Positioning
 Reliable positioning solution leveraging both satellite and terrestrial technologies.
- 
2G GSM & GPRS
 Communication via 2G GSM/GPRS/EDGE networks.
- 
Track History Playback
 Displays, records, and replays movement paths with status for full visibility.
- 
Real-Time Location Tracking
 Provides dynamic location updates on a live map for instant situational awareness.
- 
Driving Safety Guardian
 Monitors harsh driving and provides alerts with behavior analysis for fleet safety.

GNSS

Positioning system	GPS, LBS with AGPS (50 channels)	
Frequency	GPS L1: 1575.42 MHz	
Positioning accuracy	5-10 m (5m CEP)	
Tracking sensitivity	-162 dBm	
Acquisition sensitivity	-148 dBm	
TTFF (open sky)	Avg. cold start ≤ 35 sec	Avg. hot start ≤ 2 sec

Cellular

Communication network	GSM/GPRS
Frequency	850, 900, 1800, 1900 MHz

Power

Battery	60 mAh 3.6 V rechargeable Li-poly battery	
Input voltage	9-100V DC	
Battery protection	200V reverse connection protection, main power voltage detection	
Operating current	Active < 30 mA @ 12V DC	Sleep < 5 mA @ 12V DC
Working modes	Motion & Static Auto-Switch	

Interface

LED indication	Cellular (Red), GNSS (Green)	
SIM	Micro-SIM	
I/O Interface	1 Digital Output (RELAY)	2 Digital Inputs (Ignition detect, Air condition status detect)
Data storage	1000 offline refill data points	
Connector	2PIN/4PIN/5PIN	
Antenna	Internal high-gain GNSS & Cellular antenna	
Tamper proof	Main power cut alarm	

Physical specification

Dimensions	L75 x W40 x H14.5 mm
Weight	45g

MT200 2G/BLE Vehicle Tracker

MT200 2G/BLE vehicle tracker is a feature-enhanced solution for essential fleet tracking and driver safety. Beyond core GPS & LBS over 2G networks, it adds Wi-Fi for improved indoor positioning and a critical SOS emergency button. With BLE 5.0, flexible I/O ports, and 9-100V wide input.



Applications



Fleets Tracking



Car Rental



Motorbike Tracking

SOS

SOS Emergency Button

Instantly sends an alert with location to preset contacts when pressed for quick assistance.



Multi-Tech GPS+LBS+Wi-Fi

Reliable positioning solution leveraging both satellite and terrestrial technologies.



2G GSM & GPRS

Communication via 2G GSM/GPRS/EDGE networks.

I/O

Flexible I/O Options

Relay output, digital inputs (ignition/SOS), analog voltage input.



Real-Time Location Tracking

Provides dynamic location updates on a live map for instant situational awareness.



Driving Safety Guardian

Monitors harsh driving and provides alerts with behavior analysis for fleet safety.

GNSS

Positioning system	GPS, LBS, Wi-Fi with AGPS	
Frequency	GPS L1: 1575.42 MHz	
Positioning accuracy	5-10 m (5m CEP)	
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	GSM/GPRS
Frequency	850, 900, 1800, 1900 MHz

Power

Battery	60 mAh 3.6 V rechargeable NI-MH AAA battery	
Input voltage	9-100V DC	
Battery protection	N/A	
Operating current	Active < 30 mA @ 12V DC	Sleep < 5 mA @ 12V DC
Working modes	Motion & Static Auto-Switch	

Interface

LED indication	Cellular (Red), GNSS (Green)
SIM	Micro-SIM
Bluetooth	BLE 5.0 (iBeacon & Gateway)
AD Interface	1 Analog input (Voltage range: 0-33V)
Data storage	1000 offline refill data points
Connector	6PIN
Antenna	Internal high-gain GNSS & Cellular antenna

Physical specification

Dimensions	L75 x W40 x H14.5 mm
Weight	45g

FT60 CAN Box

The FT60 CAN Box is a professional vehicle data gateway for plug-and-play OBD connection. It accesses the vehicle CAN bus for fault code diagnostics. With configurable RS-485/TTL ports for external sensors, it acts as a central hub for fleet telematics and vehicle health monitoring.



Applications



Universal Vehicle Data Gateway

Direct OBD interface and CAN 2.0 enable connection with a wide range of vehicles.



Powerful Fault Code Diagnostics

Decodes protocols for industry-standard fault analysis and reporting.



Expandable Sensor Hub

Configurable serial ports enable easy integration with external devices.



Plug-and-Play Operation

Easy installation powered directly via the OBD port, requiring no wiring.

Interface

Serial ports	Default RS485, TTL optional (default: 115200, baud rate adjustable).
	Compatible with products such as NT28, LT32.
	Custom solutions available.

Serial port power supply	5VDC
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CAN Bus	1 independent CAN 2.0 channel, baud rate 20K ~ 1M bits/s.
	Supports CAN SAE J1939 and ISO 27145 fault code parsing.

Physical specification

Dimensions	L69 x W51 x H21 mm
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Weight	49.5g
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Operating environment

Temperature	Operating temperature: -20°C ~ +70°C	Storage temperature: -40°C ~ +85°C

Operating humidity	5% ~ 95%
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IP rating	IP54
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Kingwo IoT

CONTAINER TRACKERS



NT68 4G/LTE-M Container E-lock

NT68 series 4G/LTE-M container e-locks are IP67-rated smart locks integrating GPS tracking with physical security. Featuring a robust magnetic mount and a steel cable lock, they enable remote control (via app, platform, etc.) and real-time alerts for tampering or geo-fence breaches. With multi-tech positioning and global network bands,.



Applications



Container Tracking



Assets Tracking

- 
Smart Lock/Unlock
 Supports flexible control via IC Card, Bluetooth, Platform, and App.
- 
Multi-Tech GPS+LBS+Wi-Fi
 Reliable positioning solution leveraging both satellite and terrestrial technologies.
- 
4G & 2G Network
 Different versions available for multiple regions.
- 
Secure Magnetic Mount
 A powerful built-in magnet provides strong attachment to vehicles with easy installation.
- 
Geo-fence Guard
 Configurable virtual zones to provide immediate notification of boundary crossing.
- 
IP67 Water & Dust Resistant
 Tough, reliable design for stable operation in demanding conditions.

GNSS

Positioning system	GPS, LBS, Wi-Fi with AGPS	
Frequency	GPS L1: 1575.42MHz	
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	NT68E 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 NT68G (Asia) LTE Cat1: B1, B3, B5, B8, B34, B38, B39, B40, B41 GSM: 900, 1900 MHz NT68U (Europe & Oceania) LTE Cat1: B1, B3, B5, B7, B8, B20, B28 GSM: 850, 900, 1800, 1900 MHz NT68D (Latin America) LTE Cat1: B2, B3, B4, B5, B7, B8, B28, B66 GSM: 850, 900, 1800, 1900 MHz	

Power

Battery	12000 mAh 3.7 V rechargeable Li-poly battery
Input voltage	DC5521, 5V DC

Interface

LED indication	Cellular (Red), GNSS (Green), Lock Status (Red/Green/Blue), Battery Indicator
Bluetooth	5.1 (Lock/Unlock and configuration by BLE)

Physical specification

Dimensions	L140 x W86 x H38 mm
Lock Body Material	Nylon with fiber reinforcement
Lock Cable Material	304 stainless steel (flexible) / Coated steel (default, Ø6mm)
Cable Tensile Strength	300 kg
Weight	682 g

Certification

FCC, CE (NT68E)

LT12

4G Container Tracker

LT12 series 4G container trackers are ultra-long-life, IP67 devices designed for continuous container and asset monitoring. Their form factor mimics a container air vent for discreet, secure installation. With high-capacity batteries enabling multi-year operation and reliable GPS & LBS positioning over 4G & 2G networks.



Applications



Container Tracking



Assets Tracking



Extended Battery Life

Years of use from smart modes and a built-in high-capacity battery.



GPS & LBS Positioning

Reliable positioning solution leveraging both satellite and terrestrial technologies.



4G & 2G Network

Different versions available for multiple regions.



Light-Sensing Tamper Detection

Automatically triggers an alert if exposed to light, preventing unauthorized removal.



Geo-fence Guard

Configurable virtual zones to provide immediate notification of boundary crossing.



IP67 Water & Dust Resistant

Tough, reliable design for stable operation in demanding conditions.

GNSS

Positioning system	GPS, LBS with AGPS	
Frequency	GPS L1: 1575.42MHz	
Positioning accuracy	<10 m CEP	
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 Cat 1 + GSM		
Frequency	LT12G (Asia)		
	FDD LTE: B1, B3, B5, B8	TDD LTE: B34, B38, B39, B40, B41	GSM: 900, 1800 MHz
	LT12GL (Global)		
	FDD LTE: B1, B2, B3, B4, B5, B7, B8, B12, B13, B18, B19, B20, B25, B26, B28, B66		
	TDD LTE: B38, B39, B40, B41	GSM: 850, 900, 1800, 1900 MHz	

Power

Battery	LT12G: 8100 mAh 3.6V lithium thionyl chloride battery LT12GL: 10800 mAh 3.6V lithium thionyl chloride battery	
Input voltage	3.6V DC	
Self-discharge rate	< 1% per year (storage temperature < +25°C)	
Operating current	Active < 100 mA	Sleep < 15 μA
Working modes	Periodic/Clock/Week/Motion & Static/Warehouse/Tracking Mode	

Interface

LED indication	Cellular (Red), GNSS (Green)		
SIM	Standard SIM		
Data storage	1000-packet offline storage capacity		
Antenna	Internal high-gain GNSS & Cellular antenna		
Tamper proof	Light sensor tamper alarm		

Physical specification

Dimensions	L205 x W68 x H27 mm		
Weight	222.4 g		

Kingwo IoT

A photograph of two hikers walking away from the camera on a gravel trail in a forest. The hiker in the foreground is a woman with a red and black backpack, wearing a plaid shirt and brown shorts, using a red trekking pole. The hiker in the background is a man with a blue backpack, wearing a blue shirt and khaki shorts, using a blue trekking pole. The scene is bright and sunny with lush green trees and foliage.

PERSONAL TRACKERS

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)

Kingwo IoT



TRAILER TRACKERS

NT28

4G/LTE-M Trailer/Chasis Tracker

NT28 4G/LTE-M trailer/chassis tracker series is a rugged IP65 hub for comprehensive cargo and condition monitoring. It features dual power modes (vehicle or built-in battery) and a unified interface for both wired (RS485) and wireless (BLE) sensors, supporting temperature, door status, and more.



Applications



Trailer Tracking



Cold Chain Transportation



Container Management



4G & 2G Network

Different versions available for multiple regions.



GPS & LBS Positioning

Reliable positioning solution leveraging both satellite and terrestrial technologies.



Wired & Wireless Power Modes

Runs on power or built-in 5200mAh battery to maintain tracking during power loss.



Unified Sensor Hub

Connects to both wired (RS485) and wireless (BLE) sensors for monitoring.



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 with AGPS	
Frequency	GPS L1: 1575.42MHz, C/A Code	
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

Cellular

Communication network	LTE-M/NB-IoT/4G Cat1 + GSM	
Frequency	NT28E 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 NT28U (Europe & Oceania) LTE Cat1: B1, B3, B5, B7, B8, B20, B28 GSM: 850, 900, 1800, 1900 MHz NT28D (Latin America) LTE Cat1: B2, B3, B4, B5, B7, B8, B28, B66 GSM: 850, 900, 1800, 1900 MHz	

Power

Battery	5200 mAh 3.7 V rechargeable Li-poly battery (Fast-Charge Supported)
Power source switching	Auto-switch between external power supply and built-in high-capacity battery
Input voltage	9-36V DC (applicable to 12V/24V vehicles)
Operating current	< 40 mA @ 12V DC (BLE OFF); < 90 mA @ 12V DC (BLE ON)
Sleep current	< 5 mA @ 12V DC (BLE OFF); < 8 mA @ 12V DC (BLE ON)

Interface

LED indication	Cellular (Yellow), GNSS (Green), Power (Red)
Serial port	2 RS232 and 1 RS485
Data storage	2000-packet offline storage capacity
Connector	2PIN/4PIN waterproof connector

Physical specification

Dimensions	L118 x W106 x H44mm
Weight	317.5 g

Certification

FCC, CE (NT28E)

Kingwo IoT

ACCESSORIES

NT65

NB-IoT Emergency Light

NT65 NB-IoT emergency light is a compact safety device integrating GPS positioning with an LED warning beacon and one-press SOS button. Utilizing power-efficient NB-IoT networks for reliable communication, its IP65 design and replaceable battery make it a durable, essential tool for roadside assistance.



Applications



Road assistance



Road Safety



Emergency Rescue



Easy Battery Replacement

Powered by a standard 9V alkaline battery for simple, universal field maintenance.



Multi-Tech GPS+LBS+Wi-Fi

Reliable positioning solution leveraging both satellite and terrestrial technologies.



NB-IoT Network

Offers ultra-low power cellular connectivity for cost-effective, wide-area data transmission.



BLE 5.0 Connectivity (Optional)

Available with BLE 5.0 for iBeacon broadcasting and sensor gateway functionality.



SOS Button & LED Warning Light

Features an SOS button for emergency calls and a bright LED light for visual warning.



IP65 Water & Dust Resistant

Rugged, reliable design for steady outdoor performance.

GNSS

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

Cellular

Communication network	NB-IoT
Supported Bands	B3, B5, B8, B20, B28

Power

Battery	600 mAh 9 V disposable alkaline battery	
Input voltage	9V DC	
Operating current	Active <150 mA	Sleep < 18 μA
Working modes	Track & Rescue/Latent/Sleep Mode	

Interface

LED indication	Cellular (Red), GNSS (Green)
SIM	Nano-SIM
Bluetooth	BLE 5.0 (iBeacon & Gateway)
Antenna	Internal GNSS & Cellular antenna

Physical specification

Dimensions	L88 x W85 x H44 mm
Weight	155g

Operating environment

Temperature	Operating temperature: -20°C ~ +70°C	Storage temperature: -40°C ~ +85°C
Operating humidity	5% ~ 95%	
IP rating	IP65	

Kingwo IoT



BEACONS

FT10

Temperature Sensor

The FT10 is a compact Bluetooth Low Energy (BLE) sensor designed for reliable remote temperature and humidity monitoring. It transmits high-precision data with ultra-low power consumption, enabling long battery life. Ideal for cold chain logistics, smart agriculture, and medical storage.



Applications



Cold Chain



Biopharmaceuticals



Smart Agriculture



Long Battery Life

1600mAh battery and ultra-low power consumption, minimizing maintenance.



High-Precision Sensor

Built-in temperature and humidity sensors for monitoring and data collection.



Easy Deployment

Compact design for quick installation in various environments.



Smart System Integration

Easily pairs with a range of Kingwo gateways to create a remote monitoring solution.

GNSS

Bluetooth Version	Bluetooth 5.1 (BLE 4.2 compliant)
Frequency	2.402 - 2.480 GHz
Transmit Power	2.5 dBm
Antenna Gain	0 dBi
Sensitivity	-88 dBm
Transmission Range	100 m

Power

Battery	1600mAh (Up to 5 years standby time at a 30-second reporting interval)
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Physical specification

Dimensions	L63 x W63 x H18 mm
Weight	39.5g

Operating environment

Operating temperature	-40°C ~ +70°C (Accuracy: 0.1°C)
Storage temperature	-40°C ~ +80°C
Operating humidity	0% ~ 100% (Accuracy: 1%)
IP rating	IP54

Operating environment

Supported devices	Kingwo terminals: MT200, NT08E, NT09E, NT27E, NT28E, NT53E, NT53G
	* It is subject to product versions and configurations. Please consult our sales team for final confirmation.

Certification

CE

CONTACT US

Shenzhen Kingwo IoT Co., Ltd.



<http://www.kingwoiot.com>



Tel: +86 0755 8670 4262

Mobile: +86 158 2078 5978 (Ava Tian)



marketing@kingwoiot.com



Product Catalog