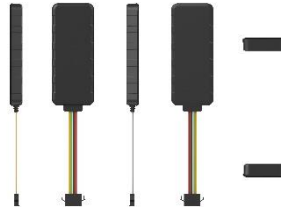


LTE Cat M1/NB-IoT Vehicle Tracker

Cat M1&NB1 GPS tracker with BLE for comprehensive vehicle tracking applications.

HYN002 Series

- Dimensions: 106*43.2*13.5mm
- Weight: 64±2g
- Operating Voltage: 8V to 32V DC
- Operating Temperature: -30°C ~ +80°C



HYN002 is a LTE Cat M1&NB1 GPS tracker designed for a wide variety of vehicle tracking applications. It has multiple I/O interfaces that can be used for monitoring or controlling external devices. It has built in BLE and backup battery. Also the compact size ensures conceal and easy installation. The HYN002 has good quality and excellent GPS performance, it has passed major operators certifications in the world.

Application



Vehicle Tracking



Ship Tracking



Fleet Management



Cold Chain



Logistics Monitoring

Product Information

Model Name	HYN002 Series
Dimension	106*43.2*13.5mm
Weight	64±2g

General Specification

Waterproof	IP54
Backup Battery	200mAh
Operating Voltage	8V to 32V DC
Operating Temperature(With external DC power)	-30°C~ +80°C

Cellular Specification

	HYN002	Cat M1: B2/B4/B12/B13 Cat NB1: B2/B4/B12/B13
Frequency Bands	HYN002-G	Cat-M1: B1/B2/B3/B4/B5/B8/B12/B13/B18/B19/B20/B26/B28 Cat-NB1: B1/B2/B3/B5/B8/B12/B13/B17/B18/B19/B20/B26/B28 EGPRS: 850/900/1800/1900MHz
Data Transfer (Max)		Cat M1(Kbps): 300 (DL), 375(UL) Cat NB1(Kbps): 34(DL), 66(UL) GPRS/EDGE(Kbps): 85.6(DL)/85.6(UL)

GNSS Specification

GNSS	Qualcomm MDM9207
Sensitivity	Tracking: -159 dBm Cold start: -148 dBm
Position Accuracy(CEP)	Autonomous: < 2.5m (CEP50)
TTFF(Open Sky) (Average)	Cold start: <35s Hot start: <1s

Hardware Specification

Digital Input	1 positive trigger for ignition input
Digital Output	1 digital output, open drain 1A MAX
Configurable Input/ Output	1 configurable input/ output (open drain 1A MAX)
Analog Input	1 Analog input
Cellular Antenna	Internal
GNSS Antenna	Internal
BLE	5.0
LED	*2 (CEL and GPS)

Air Interface Protocol

Transmit Protocol	TCP, UDP, SMS
Scheduled Report	Report position and status according to preset intervals
Geo-fences	Geo-fence alarm, support circular and polygon regions
Power On Report	Report when device is powered on
Tow Alarm	Support
Driving Behavior Monitoring	Support
Crash Detection	Support
Other Alarm	Special Alarm based on digital input connection