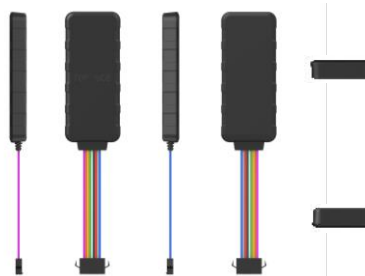# LTE Cat.1&GSM Vehicle Tracker

Cat.1&GSM GPS tracker with multiple I/O interfaces

## HYN100

- Dimensions: 106*43.2*13.5mm
- Weight: 67±2g
- Operating Voltage: 9V to 32V DC
- Operating Temperature: -20℃ ~ +60℃

HYN100 is a Cat.1&GSM GPS tracker with multiple I/O interfaces. It has a G+A 6 axils-Sensor with buffer, and is compatible with a 3-axis acceleration sensor.

HYN100 supports electronic fence, driving behavior detection, vehicle anti-theft and other functions, which can be widely used in vehicle tracking, fleet management, logistics tracking and cold chain industries.

## Application

| Vehicle Tracking | Ship Tracking | Fleet Management | Cold Chain | Logistics Monitoring |

## Product Information

| | |
|---|---|
| Model Name | HYN100 |
| Dimension | 106*43.2*13.5mm |
| Weight | 67±2g |

### General Specification

| | |
|---|---|
| Waterproof | IP54 |
| Backup Battery | 200mAh |
| Operating Voltage | 9V to 32V DC |
| Operating Temperature | -20℃~ +60℃ |
| Storage Temperature | -30℃~ +80℃ |

### Cellular Specification

| | |
|---|---|
| Frequency Bands | LTE-FDD: B2/B3/B4/B5/B7/B8/B28/ B66<br>GSM:B2/B3/B5/B8 |
| Data Transfer (Max) | LTE(Mbps):10(DL)/5(UL)<br>GSM(Kbps):85.6(DL)/85.6(UL) |

### GNSS Specification

| | |
|---|---|
| GNSS | Techtotop (GPS+Glonass+Galileo+ Beidou) |
| Tracking Sensitivity | -160dBm |
| Position Accuracy(CEP) | 2.5m@-145dbm |
| TTFF(Open Sky) (Average) | 30s |

### Hardware Specification

| | |
|---|---|
| Memory | RAM 256 KB  ROM：800KB |
| Analog Input | 2 |
| Cellular/GNSS/Bluetooth Antenna | Internal |
| Sensor | G+A 6 axils-Sensor with buffer (Compatible with 3-axis acceleration sensor) |
| BLE | 5.2 |
| USB | 1 |
| Power | 1 |
| LED | *2 (Network and GPS) |

### Software Specification

| | |
|---|---|
| FOTA | Yes (Support for pass-through to MCU upgrade) |
| Flash | 128Mb external flash |
| 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 |
| Low Power Alarm | Support |
| 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 |

### Certifications

| | |
|---|---|
| Certifications | RoHS/REACH |