

LTE Cat M1/NB-IoT Asset Tracker

Cat M1&NB2 waterproof standby asset GPS tracker with large battery

HYB001

- Dimensions: 89.8*43.8*28mm
- Weight: 145±2g
- Battery: 5600mAh
- Operating Voltage: 2V to 3.3V
- Operating Temperature: -25°C~ +60°C



Standby Time (Per testing)

- 1 Report/Day(Cell ID Only)  7 Years
- 1 Report/Day(GNSS ON)  5Years

HYB001 is an LTE Cat M1&NB2 GPS asset tracker with a 5600mAh battery that can last up to 7 years. The IP67 waterproof design allows it to be used in a variety of harsh environments. It has built-in light sensor, temperature sensor and acceleration sensor, easy to install, can meet a variety of customer application scenarios.



Application



Container Tracking



Device Tracking



Pharmaceutical
Transportation



Cold Chain



Vehicle Tracking

Product Information	
Model Name	HYB001
Dimension	89.8*43.8*28mm
Weight	145±2g
General Specification	
Waterproof	IP67
Battery	5600mAh (4*CR123A batteries, 1400mAh(1600mAh compatible))
Operating Voltage	2V to 3.3V
Operating Temperature	-25°C~ +60°C
Software OS	ROTS OS
Cellular Specification	
Frequency Bands	Cat M1: B1/B2/B3/B4/B5/B8/B12/B13/B14/B18/B19/B20/B25/B26/B27/B28/B66/B85 Cat NB2: B1/B2/B3/B4/B5/B8/B12/B13/B18/B19/B20/B25/B26/B28/B66/B71/B85
Data Transfer (Max)	Cat M1(Kbps): 589(DL)/1119(UL) Cat NB2(Kbps): 127 (DL), 158.5(UL)
GNSS Specification	
GNSS	U-blox
Sensitivity	Tracking: -163 dBm Cold start: -146 dBm
Position Accuracy(CEP)	Autonomous: < 2.5m (CEP50)
TTFB(Open Sky) (Average)	Cold start: 27s Hot start: < 1s
Hardware Specification	
RAM/ROM (Per definition)	M4
Cellular Antenna	Internal
GNSS Antenna	Internal
LED	*2 (GPS and STATUS)
Wi-Fi	Option
Sensors	Light Sensor*2, Temperature Sensor, Accelerometer*1
Power Button	Used for power on/off and working status checking
Accessories	Magnetic holder, Mounting holder
Software Specification	
Configuration and firmware update	OTA (Over-the-Air Technology)
Transmit Protocol	TCP, UDP, SMS
Scheduled Location Report	Report position and status according to preset intervals
Geo-fences	Support circular and polygon regions
Low Power Alarm	Alarm when internal battery is low
Motion Detection	Motion detection based on internal 3-axis accelerometer
Other Alarm	SOS Alarm, Removal Alarm
Certification	
Certification	CE(RED), FCC