

LTE 6 GSM HSCS-0001

LTE Cat-M1(eMTC)/Cat-NB1(NB-IoT) and GSM assets tracking devices for wide ranging applications



Weight | 370g (13.05oz)

Temperature | -25°C ~ +70°C
(-13°F ~ 158°F)

Dimensions | 85mm*185mm*31 mm
(3.35" * 7.28" * 1.22")

Battery | Rechargeable Li 9600 mAh/3.6V

- Compact Size
- Easy Installation
- Waterproof
- Firmware Over the Air
- Solar Powered
- BLE 5.0 (full set wireless sensor solution)
- Low Battery Alarm
- Removal Alert
- Data Security (MD5/AES)
- MQTT Support

Standby Time

(without solar recharging, 2 hours active tracking per day)

10 Min Reporting		320 Days
5 Min Reporting		170 Days
1 Min Reporting		68 Days

Network/Operating Band	
Operating Band	FDD: B1/B2/B3/B4/B5/B8/B12/B13/B19/B20/B25/B28 TDD: B39 (Cat M1 only) EGPRS 850/900/1800/1900MHz
Data Transmission	eMTC: Max. 300Kbps (DL), Max. 375Kbps (UL) NB1: Max. 32Kbps (DL), Max. 70Kbps (UL) EDGE: Max. 296Kbps (DL), Max. 236.8Kbps (UL) GPRS: Max. 107Kbps (DL), Max. 85.6Kbps (UL)
GNSS Specifications	
GNSS Chipset	Qualcomm Gen 8C GNSS receiver
Parallel GNSS	GPS + Glonass + Galileo + Beidou
Receiver Type	33 tracking/ 99 acquisitions- channel GNSS receiver
Sensitivity	Cold start: -149 dBm Tracking: -163 dBm
Position Accuracy (CEP)	Autonomous < 2m
Standalone TTFF	Cold start: < 29s Warm start: < 27s Hot start: < 1s
Interfaces	
Charging and Data Transmission	4 Pin port with magnet
Network, GNSS Antenna	Internal only
Indicator LED	Network, GNSS and Battery
FOTA	Yes
Physical Power Switch	1
Light Sensor	1 back light sensor
Temperature Sensor	1 temperature sensor
BLE 5.0	Yes
General Specifications	
Waterproof	IP67
Dimensions	85mm*185mm*31 mm (3.35" *7.28" *1.22")
Weight	370g (13.05oz)
Battery	Rechargeable Li 9600 mAh/ 3.6V
Standby Time (Without considering solar charging, 2 hours active tracking per day)	10 minutes reporting: 320 Days 5 minutes reporting: 170 Days 1 minute reporting: 68 Days
Charging & Data Communication	Magnetic USB cable (Recommend using SV 1A adaptor, 20 hours charging)
Solar Panel	For charging the tracker battery
Operating Temperature	-25°C ~ + 70°C (-13°F ~ 158°F)
Mounting	Magnet/Screw
Air Interface Protocol	
Transmit Protocol	TCP, UDP, MQTT, SMS
Data Security & Encryption Option	MDS/ AES256
BLE Accessory Support	Yes
Scheduled Timing/angle/distance Report	Report position and status at preset intervals
Geo-fence	Support up to 64 internal geo-fence regions
Low Power Alarm	Sending alarm when battery is low
Motion Detection	Motion alarm based on internal 3-axis accelerometer
Removal Alarm	Sending alarm when the light sensor detecting the light changing

