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GPT48-X

(LTE CAT M1 magnetic asset tracker)

Features:

1.Support LTE CATM1/Nb-ioT network,low power consumption

2.Support GPS/ Beidou/ Glonass.LBS for aiding.

3.Data uploaded by LTE CATM regularly, check by Web/APP/SMS

4. Built-in 8000mAh zero self-discharge disposable battery

5.Enable emergency mode, device will be real-time tracking and uploaded data

6. Long Standby mode, battery can last up to 4 years(Power on once per day)

7.EELINK protocol 2.0, Firmware OTA

8.Flexible uploading interval,such as 24hours, 12 hours,8 hours etc.

9. Built-in motion sensor,when device is moved, it will wake up in advance to report a location

10.Type C interface, for upgrade and Debug

11.Support to show battery %

12.During emergency mode: support vibration alarm,falling alarm, crash alarm

13.Built-in magnet for easily install.

14.One key for power On or wake up device

15.Wake up by SMS command in a short time (based on SIM operator)

16. Built-in light sensor for anti-remove (in next version)

Spefications:

Voltage:	3.0 VDC
Module	Nordic NRF9160

Work Current	LTE CATM1(124~265mA) LTE NB2 (150mA~180mA)
RX Sensitivity	LTE-M:-108dBm NB-ioT: -114dBm GPS:-155 dBm
Satellite Accuracy	2m
LBS Accuracy	>100m
GNSS Band	1575MHz
Antenna	LTE bracket antenna + GPS ceramic antenna
CAT M1/ NB2 Band	LTE: B1/B2/B3/B4/B5/B8/B12/B13/B14/B17/B18/B19/B20/B25/B26/B28/B66
Working temperature & humidity	-20℃~65℃; 20%~90% RH
Hot/warm/cold Start	5s / 10s / 32s
Battery Capacity	8000mAh lithium manganese non-rechargeable battery
Dimensions (mm)	101.26(L)X 60.26(W) X 25.5(H)
Net Weight	150g
Application	vehicle tracking,logistic transpotation, asset safety, container /trailer
Fixed method	Magnet adsorption and screw fixed
Waterproof	IP65
SIMcard	Nano

Working mode:

1.Long standby mode : The device enters sleep mode and wakes up at a scheduled timer to upload location information.
2.Emergency mode: Send command via SMS,or platform to switch to emergency mode,device will be real time tracking and upload location data, and re-enter long standby mode after working for a period of time.
3.Trip mode: When motion sensor detects moving, the device will wake up, uploads a location ,and then enter sleep mode. When device stops moving and enters a static state for 4 minutes, the device wakes up again to upload a location information, and then enters sleep mode.
4. Activity mode: When the motion sensor detects the device moving, it will wake up the device, keep it working, and upload the location information in real time. When the device stops moving and enters a static state for about 4 minutes, it will enter a sleep status.

Pictures: