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GPT12-x Ultra

(Smart & thin long standby asset tracker)

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

2.Support GNSS, GPS/ BDS/ Glonass positioning, LBS for aiding.

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

4. Built-in 5000mAh disposable Lithium battery,non-rechargeable battery

5.Enable emergency mode when needed, device will start real-time tracking.

6. Long Standby battery life last up to 3 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 to detect moving and wake up.

10. Built-in light sensor for anti remove, enable the alarm by SMS command,APP or web platform.

11.Support to show battery %

12.Type-C interface for firmware upgrade and debug configuration.

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

14. Wake up by motion sensor/ light sensor/SMS command on timer

15. Geo-fence alarm when real time tracking

16.Wake up by SMS command anytime(SIMcard should support eDRX mode)

17.One key for power On or wake up device

18.Shutdown by command remotely

19.Power saving mode: eDRX, PSM

Spefications:	
Core Chip	Nordic nRF9161 SiP (Integrated LTE-M/NB-IoT, GNSS, MCU, Security)
Voltage:	3.0 VDC
Standby Current	10uA
Satellite Accuracy	5-15m
LBS Accuracy	>100m
GNSS Band	GPS,BDS, GLONASS
LED flash	Red:LTE/GSM indicator light Blue: GPS indicator light
LTE CATM /Nb-ioT Bands	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	5000mAh, lithium manganese non-rechargeable battery （Removable）
Antenna	Built-in LTE antenna , ceramic GPS antenna
SIMcard	Nano
Dimensions (mm)	100(L)X 53(W) X 12.2(H)
Net Weight	75g

Working mode:

1.Long standby mode :The device enters sleep mode and wakes up at a scheduled timer to upload location information. In sleep mode, you can send a SMS message to wake up the device in advance, upload location information or switch to other working modes.

2.Emergency mode: Send commandsvia SMS, APP, or platform to switch to emergency mode,then device will be real time tracking and upload location data, and re-enter ultra-long standby mode after working for a period of time.

3.Trip mode: When the motion sensor detects moving, the device will wake up, uploads a location , and then enters sleep mode. When device stops moving and enters a static state for about 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.