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BTG601M Asset and Vehicle Tracker

Ideal for stolen vehicle, goods or other assets to be tracked with no installation process required. The battery-powered, small-size BTG601M GPS tracker is designed to be used with internal Li rechargeable battery for fast installation. It is a "Slap & Track" GPS tracker. The BTG601M provides asset location tracking and receiving alerts when the asset has been moved or tampered with, plus many more features.

The BTG601M comes with pre-configured software. Its internal motion sensor and configurable event alarms enable total management of your high-value assets. The device supports variable frequency reporting when moving or stationary.

📦 <150g

📏 101.25 x 89.6 x 22.5mm

📶 2G

🌡️ Storage -40°C to +85°C
 🌡️ Operation -30°C to +75°C

The BTG601M is a high-performance, IP67 rated device. It has an integrated LTE Cat.M1 modem, a GNSS receiver, and a 3-axis accelerometer, for cellular data communication, location tracking, and motion detection respectively. With power from battery the BTG601M can be easily used anywhere the tracking is required. BTG601M can be programmed to wake-up on motion, upon a preset schedule. Reports can be triggered periodically or in response to events - such as removing, movement, geo-fence violations, and many others.

- 📏 Compact size
- 🔧 Simple installation
- 📋 LED status indicators for GNSS
- 📄 AT commands for easy configuration
- 📏 Up to 16 geofences (polygons and circles)
- 🔔 Wireless configuration and update
- 💧 Towing alarm
- 📄 SMS, UDP, TCP, FTP AND MQTT
- 🔋 Rechargeable lithium battery backup





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BTG601M SPECIFICATIONS

CELLULAR

LTE Cat-M, NB-IoT
LTE-FDD Bands: 1/2/3/4/5/8/12/13/18/19/20/25/26/27/28/66/85
GSM: 850/900/1800/1900
Integrated high performance antenna

GNSS

GPS, GLONASS, BeiDou & Galileo
Tracking Sensitivity : -161 dBm
Acquisition Sensitivity : -146 dBm
Location Accuracy : < 2.5CEP

SENSOR

Accelerometer: 3x

BATTERY INFORMATION

Lithium re-chargeable battery
5200mAh @3.7V. It is designed for the case
where more reports are need per day.
So the operation time depends on the usage case.
The Lithium battery has the nature of selfdischarging,
so the usage should be limited to 1 year and then
recharging is required.*

*Depends on the LTE signal strength and how
many reports per hour.

ELECTRICAL

Operating Current
Hibernate: < 50uA @ 3.7V
Tracking 150mA @3.7V Typical
Reporting: 250mA @3.7V Typical

PHYSICAL

Dimensions: 101.25 x 89.6 x 22.5mm
Weight : <150 g
Internal Cellular and GNSS Antenna

ENVIRONMENTAL

IP67 Rating
Operation Temperature: -30°C to +75°C
Storage Temperature: -40°C to +85°C

BLUETOOTH

BLE 5.0

INTERFACE IOs (for maintenance only)

I/O Connector : 6-pins water-proof (POGO Pin)
UART1 TTL (3.3V) (RX/TX) (x2)
GPIO_INPUT active high 3.3V IO level (x1)
DC_IN (5V or 8-36V) (x1)
DC_OUT (x1) (Power from internal Li-battery 3.4~4.2V@500mA)
GND (x1)

APPROVALS

FCC
Carrier

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