



BTG36M Asset and Vehicle Tracking

The BTG36M tracker is a real time vehicle tracking system designed for vehicle, fleet and asset recovery in case of theft or loss.

The BTG36M includes an LTE Cat-M (oNB-IoT) modem and a GPRS modem for wireless data communication. The built-in high-performance antennas for cellular radio and GNSS antennas for cellular radio and GNSS receivers make installation easy.

✉ ~80g

📏 93.0 x 51.0 x 15.3 mm

📶 CATM1/NB/2G

🌡️ Storage -40°C to +85°C
🌡️ Operatio -20°C to +60°C

The BTG36M interface supports serial communication with external terminals and devices, as well as dedicated IO options for power-on, start inhibit and buzzer. A built-in 3-axis accelerometer enables motion detection and driver behaviour monitoring. Internal lithium-ion battery allows operation in hibernation mode for up to 12 hours when the device is disconnected from the mains.

No programming skills are required; the BTG36M comes with easy-to-configure application software and an extended AT command set.

- 📏 Compact size
- 🔧 Simple installation
- 📋 LED status indicators for GNSS
- 📄 AT commands for easy configuration
- 📏 Up to 16 geofences (polygons and circles)
- 📶 BLE5.0 compatible
- 🔔 Towing alarm
- 💧 SMS, UDP, TCP, FTP AND MQTT
- 🔋 Rechargeable lithium back-up battery
- 🚗 Built-in accelerometer





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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

www.btgIoT.com