



# Vehicle Recovery and Fleet Management

Maximize efficiency. Minimize risks. Manage assets.



## BTG36M

### HIGHLIGHTS

- LTE Cat-M1, NB-IoT & GPRS
- Integrated cellular and GNSS antenna
- LED status indicators for GNSS and network registration
- Integrated accelerometer for monitoring vehicle status & driver behavior
- BLE5.0 support, low power consumption
- Rechargeable backup battery
- SMS, UDP, TCP, FTP & MQTT
- Up to 16 Geo-fences (polygon and circles)
- Over the air configuration and firmware update
- Extended AT Command set for flexible and easy configuration
- Small size and easy installation

The BTG36M tracker is a real-time vehicle tracking system designed for vehicle recovery, fleet management, and more..

#### IT'S RELIABLE

The ultra-thin yet durable BTG36M is a high-performance cellular tracking device designed for vehicle financing, vehicle tracking, lot management, theft recovery, or other fleet applications. The BTG36M includes an LTE Cat-M (or NB-IoT) and GPRS modem for wireless data communication. The built in high performance antennas for both cellular radio and GNSS receivers make installation easy.

#### IT'S SIMPLE

No programming skills required; the BTG36M comes with easy-to-configure application software and an extended AT command set. Reports can be triggered periodically or in response to events such as motion, speeding, harsh acceleration and braking, geo-fence violations, and battery status. Notifications can be sent for vehicle towing, battery removal, and more.

#### IT'S FUNCTIONAL

The BTG36M interface supports serial communication with external terminals and devices, as well as IO options dedicated to ignition, starter inhibit, and buzzer.

A built in 3-axis accelerometer enables motion detection and monitoring of driver behavior. An internal Lithium-Ion back up battery allows for heartbeat report operation at hibernation mode for up to 12 hours when the device is disconnected from the main power.

***The application firmware is flexible and can be customized to be compatible with your existing server at special request.***

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## Specifications:

### CELLULAR

- LTE Cat-M1, 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

### BATTERY INFORMATION

- Type : Li-ION
- Capacity: 200mAh @ 3.7V
- Battery Life: Up to 12hours @ hibernation mode, 1 report per hour. (depends on the LTE signal strength and how many reports per hour)

### ENVIRONMENTAL

- Operation Temperature: -30°C to +75°C without Battery ☑
- Operation Temperature: -20°C to +60°C With Battery
- Storage Temperature: -40°C to +85°C

### ELECTRICAL

- Operating Voltage: 8V – 36V ☑
- Over voltage protected
- Over current protected with resettable fuse
- Power Consumption:
  - ✓ GPS Acquisition : ~ 48mA @ 12V
  - ✓ GPS Tracking/Reporting : ~ 74mA @ 12V
  - ✓ Sleep mode : < 1mA @12V

### BLUETOOTH

- BLE 5.0, low power consumption

### PHYSICAL

- Dimensions: 93.0 x 51.0 x 15.3 mm
- Internal Cellular and GPS Antennas
- Weight : ~80g

### INTERFACE CONNECTORS

- Cable Harness :
  - 8-Pin built-in flat Cable
  - ✓ PWR, GND (\*2)
  - ✓ UART (RX/TX) (\*2 3.3V IO level)
  - ✓ Ix Input (active high 3.3V IO level)
  - ✓ 1xOutput (Open drain mode)
  - ✓ 1x GPIO (can be configure input or output ,3.3V IO level)
  - ✓ 1x ADC (0-12V)

### APPROVALS

- FCC
- Carrier certification

## Asiatelco Technologies Inc. (ATEL)

**Asiatelco** is the leading provider of wireless terminal products to its value customers worldwide. Its innovative products and solutions are widely used for reliable broadband access, IoT/M2M applications and voice communication with 4G LTE, 3G & 2G wireless technologies. ATEL's sales and marketing are globally positioned. It has become globally well-known company in the wireless industry due to its excellent products, solutions and services. For more information, contact Asiatelco Technologies Inc.