



# Azuga Rechargeable Asset Tracker Specifications - GV600M

# 1. Physical Characteristics

## 1.1 Dimensions and Weight

L= 138 mm, W = 66 mm, H = 38mm), 320g (11.29 oz)

## 1.2 Temperature Range

-30°C~+80°C (operating)

10°C~+45°C (Charging Temperature)

## 1.3 Waterproof

IP67

# 2. Electrical Characteristics

## 2.1 Operating Voltage

8V to 32V (DC)

## 2.2 Digital Input

1 positive trigger input for ignition detection

## 2.3 1-wire Interface

Support 1-wire temperature sensor and iButton driver ID (maximum 8 channels)

## 2.4 Power Output

1 power output (3.3V) for external devices

## 2.5 Digital Inputs/Outputs

4 negative trigger inputs for normal use, or 4 open drain outputs 150mA max drive current

## 2.5 Backup Battery

Li-ion, 3.7V, 5800 mAh, 18650 battery pack

## 2.6 Connector

18 pin waterproof connector

# 3. Vehicle Communication

## 3.1 Internal G-sensor

Used for speed alarm and motion alarm

## 3.2 Standby Time

120 days, report one location and online 15 minutes per day

# 4. Wireless

## 4.1 Cellular

GSM/GPRS: 850 / 900 / 1800 / 1900 MHz

## 4.2 Sensitivity

Tracking sensitivity: -147 dBm

Acquisition Sensitivity: -156 dBm (hot start), -160 dBm (Reacquisition), -162 dBm (Tracking)

## 4.3 Carrier Support

Jasper AT & T

## 4.4 Band Support

Cat M1/Cat NB1:

LTE-FDD: B1/ B2/ B3/ B4/ B5/ B8/ B12/ B13/ B18/ B19/ B20/ B25/ B28

## 4.5 COMM

**Transmit Protocol:** TCP, UDP, SMS

**Scheduled Report:** Report position and status based on preset time intervals, distance, mileage or a combination of these settings

## 4.6 Bluetooth

Support BLE 4.2 protocol (Bluetooth Low Energy)

## 4.7 Antenna

BLE Antenna Internal  
GNSS Antenna Internal

# 5. GNSS

## 5.1 Constellation SupportReceiver

CEL, GNSS, PWR

## 5.2 GNSS Type

u-blox All-in-One GNSS receiver

## 5.3 Antenna

Internal built-in

## 5.4 Cold Start

27s average

## 5.5 Warm Start

27s average

## 5.6 Hot Start

1s average

## 5.7 Accuracy

Autonomous: < 2.5m

# 6. Miscellaneous

## 6.1 Installation

Self-installed into OBD port (10 sec or less)

## 6.2 LTE Data Transmission

eMTC (DL) 375 Kbps

eMTC (UL) 375 Kbps

NB1 (DL) 32 Kbps

NB1 (UL) 70 Kbps

## 6.3 EGPRS Data Transmission

GPRS multi-slot class 33 (33 by default)

EDGE multi-slot class 33 (33 by default)

## 6.4 Geofences

Geo-fence alarm and parking alarm based on up to 20 preset geo-fence regions

## 6.5 Low Power Alarm

Alarm when the backup battery is almost exhausted.

## 6.6 Power Alarm Report

Report when the device is powered on

## 6.7 Special Alarm

Special alarm based on digital/analog input

## 6.8 Remote Control

OTA control of digital outputs