TG102E

GSM/GPRS/GPS tracker

VNETGPS

Suitable with variety of vehicles

INTERNET

SERVER

PC/smartphone
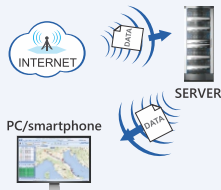
GSM network

SIM card	Micro SIM
Frequency band	850/900/1800/1900 MHz
GPRS protocol	Class 12, TCP/IP

GNSS features

GNSS		GPS/GLONASS/Galileo
Channel		33 (tracking)/ 99 (acquisition) Up to 210 (PRN)
Autonomous		<2.5m
Velocity Accuracy (without aid)		<0.1m/s
Acceleration accuracy (without aid)		$0.1m/s^2$
TTFF@ -130dBm with EASY™	Cold start	< 15s
	Warm start	< 5s
	Hot start	< 1s
	Acquistion	- 149bBm
	Tracking	- 167dBm
	Reacquisition	- 161dBm
Dynamic Performance	Maximum Velocity	515m/s

Specifications

Operating voltage	10-60VDC
Battery	3.7V, 250mAh
Stanby time	24 hours
Operating temperature	-40℃ ~ 85℃
Material	Plastic
Dimension (L*W*H)	78.5mm*42mm*13.1mm
Weight	40 gram

Features

- Location/ tracking
- Auto save tracking history
- Vibration detecting
- ACC detecting
- Alarm
- Engine ON/OFF
- "Find my bike"

- GSM+GPRS
- GPS+AGPS+GLONASS
- LED indicator
- Web/SMS tracking interface
- Backup battery
- Power saving

INSIDE BOX

- Cables
- Quick guide

- TG102E product
- Relay module (optional)

78.5   42   (mm)   13.10

40 gram

QUICK GUIDE

TG102E
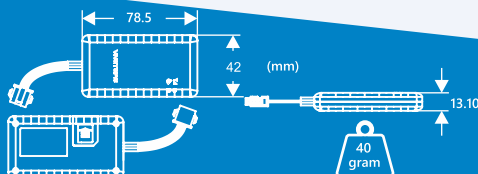
Working status

LED	Descriptions	Status
GSM	Dark, no light or no flashing	No SIM card or no GSM signal
	Bright, no flashing	Receive GSM signal normally
		Good GSM & GPRS signal, but not connected to sever
	Flash 200ms every 2 sec periodically (slow flashing)	Connected to sever
GPS	Flash 200ms every 2 sec periodically (slow flashing)	Good GPS signal GPS located
	Flash 100ms every 0.5 sec periodically (fast flashing)	Searching for GPS signal
	Dark	No GPS Signal

Configurations

Configurations	Content of SMS
GPRS time sending interval	timer,min,max Ex: timer,15,600#
Server config	server,<ip or domain>,<port># Ex: server,vnetgps.com,2016#
Time zone	timezone,<GMT time zone># Ex: timezone,7#
Vibration alarm	motion,<enable (1)/ disable (0)> <coefficient> Ex: motion,1,0.125# (the smaller coefficient, the more sensitive)
Location	url#
Factory reset	default#
Reset	reset# or hard reset

Installation

±45°

Micro SIM

ON

OFF

ignition key

2A Fuse (optional)

Relay module

3 4 5 1 2

10-50V battery

left signal | right signal | horn | ACC cut off