

A18

4G GPS TRACKER (LTE /GSM/GNSS)

KEY FEATURES

- Built-in 55mAh Battery
- GNSS, LBS Location
- Small Size, Easy to Conceal
- Wide Power Supply 9V-90V



Real-time tracking



Intelligent control



Anti-theft tracking

INTRODUCTION

The G12 is a simple micro LTE vehicle GPS tracker. It supports a wide voltage input range of 9-90V and can be widely used for tracking the location of vehicles like cars, trucks, motorcycles and electric vehicles. It has a built-in optimized 25*25mm satellite antenna with great satellite searching capability and strong signal reception for precise positioning. It supports TTL serial port communication to connect with various types of external devices.



4G Network



9V-90V Wide Voltage Range



Remotely Cut-off Petro/Electricity



ACC Detection



Support OTA Upgrade



Vibration alarm



Ultra-low sleep power consumption



Driving behavior collection

SPECIFICATIONS

GENERAL

Network	4G Cat.1 + 2G GSM
Shell Material	PC (V0)
Operating Voltage	9V - 90V DC

WIRELESS

Data Support	SMS, TCP
SA (Quectel A18-LA)	FDD-LTE:B1/2/ 3/ 4/ 5/ 7/ 8/ 28/ 66 GSM: 850/900/1800/1900MHz
EU (Quectel A18-EA)	FDD-LTE:B1/3/5/7/8/20/ 28GSM: 900/1800MHz

CONNECTOR

Connector Type	4 Wires
USB	1 TYPE-C (configuration/debug)
GPS Antenna	Internal
LTE Antenna	Internal
SIM Card	Micro SIM

ON BOARD

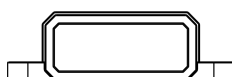
LED	x3 Power LED GNSS LED Network LED
Memory	10000 Records
3D Accelerometer	On Board

SIZE AND WEIGHT

Dimensions	79*33*16mm
Weight	30g
Housing Material	ABS+PC plastic

STANDARD PINOUT

	Yellow RELAY
	Orange ACC
	Black GND
	RED 9V-90V DC



POSITIONING

Location Technology	GPS/Glonass/Galileo/BeiDou
Chip Model	AT6558R
Positioning Antenna	Built-in antenna
Antenna Specifications	25x25x2mm
Concurrent GNSS	GPS+BDS (Default)
Update Rate	1 Hz
Channels	32
Tracking Sensitivity	-162dBm
Cold Start Open Sky	38 s
Hot Start Time	2 s
Assisted GPS	Supported

ELECTRICAL

Hardware Protection	Anti-Reverse For Power Supply ESD Surge Over Voltage Over Current
Power Average Consumption	0.5mA 12V (Sleep) 25mA 12V (Active)
Built-in Battery	55mAh 3.7V
Working Temperature	-20°C - 70°C
Storage Temperature	-30°C - 80°C
Working Humidity	10%-85% RH non-condensing

