

A12

4G GPS TRACKER (LTE /GSM/GNSS)

KEY FEATURES

- Built-in large-sized satellite ceramic antenna, 4G antenna
- GNSS, LBS Location
- Small Size, Easy to Conceal
- Wide Power Supply 9V-90V



Real-time tracking



Intelligent control



Anti-theft tracking

INTRODUCTION

The A12 is a 4G-enabled smart positioning device specifically designed for motorcycle and motorbike management. It supports integrated positioning technologies including BeiDou, GPS, AGPS, and LBS, delivering faster and more accurate location tracking. Equipped with 3-axis/6-axis sensors and the Qiguo algorithm, it accurately detects vehicle vibrations, tilting, collisions, and other conditions to ensure safety. Its standby power consumption is reduced to the UA level, preventing battery damage during prolonged parking.



4G Network



9V-90V Wide Voltage Range



LOGO Customization



Battery Protection



Collision warning



Waterproof Protection



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
Water & Dust Resistant Level	IP67 (Waterproof)

WIRELESS

Data Support	SMS, TCP
SA (Quectel EG915N-LA)	FDD: B1/B3/B5/B8
EA (Quectel EG915N-EA)	TDD: B34/B38/B39/B40/B41

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	80.0(L)×33.5(W)×13.5(H)mm
Weight	34.5g

STANDARD PINOUT

POSITIONING

Location Technology	GPS/Glonass/Galileo/BeiDou
Positioning Antenna	Built-in antenna
Antenna Specifications	25x25x2mm
Concurrent GNSS	BDS, GPS single-channel to dual-channel switching
Update Rate	1 Hz
Channels	66
Tracking Sensitivity	-165dBm
Cold Start Open Sky	32s
Hot Start Time	1 s
Assisted GPS	Supported

ELECTRICAL

Hardware Protection	Anti-Reverse For Power Supply ESD Surge Over Voltage Over Current
Power Average Consumption	≤650ua 12V (Sleep) 70 mA 12V (Active)
Built-in Battery	55mAh/3.7V
Working Temperature	-20°C - 70°C
Working Humidity	10%-85% RH non-condensing

