

A7

4G GPS TRACKER (LTE /GSM/GNSS)

KEY FEATURES

- ACC state Remote Upgrade
- Fuel Consumption Data Collection
- Temperature Data Collection
- -Mileage statistics
- Wide Power Supply 9V-90V
- Excessive Speed Alarm
- Electronic Fence



Insurance
Telematic



Cold chain
transportation



Stolen Vehicle
Recovery

INTRODUCTION

The A7 GPS Tracker is a highly modular tracking terminal with BLE wireless connectivity and an IP67 waterproof enclosure. It supports GPS + BDS positioning and offers flexible **12-pin and 4-pin interfaces for different applications.

The A7 supports ACC detection, mileage calculation, geofencing, and real-time tracking. Through BLE, it can connect with fuel level, temperature & humidity, angle, load, RPM, and other sensors.

With stable performance and strong customization capability, the A7 is ideal for fleet management, fuel monitoring, vehicle tracking, and IoT applications.



4G
Network



LOGO
Customization



Driving behavior
analysis



Vehicle Alarm



Insurance
Data



Waterproof
Protection



Ultra-low sleep
power consumption



Nrf Connect
Bluetooth Tool

SPECIFICATIONS

GENERAL

Network	4G Cat.1 + 2G GSM
Shell Material	PC (VO)
Operating Voltage	9V - 90V DC
Waterproof level	IP67

WIRELESS

Data Support	TCP/UDP
EU (360B)	LTE-FDD: B1/B3/B5/B7/B8/B20 GSM: 900/1800 MHz
SA (360B)	LTE-FDD:B1/B2/B3/B4/B5/B7/B8/ B28/B66 GSM:850/900/1800 /1900MHz
APAC (360B)	LTE-FDD:B1/B3/B5/B8 LTE-TDD:B34/B38/B39/B40/B41

CONNECTOR

Connector Type	12Wires/4Wires
SOS	Support
ACC monitoring	Support
RS485	Support
SIM Card Bluetooth Transmission	Micro SIM Bluetooth 42
HIN ADC	Support Support

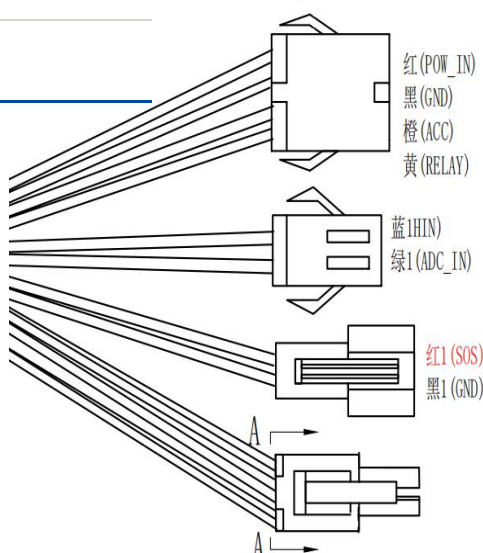
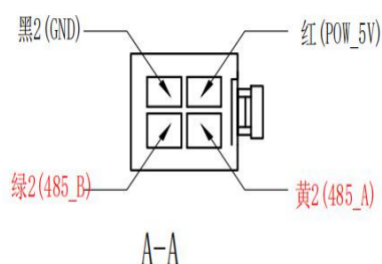
ON BOARD

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

SIZE AND WEIGHT

Dimensions	75*35*15MM
Weight	130g

STANDARD PINOUT



POSITIONING

Location Technology	GPS+BDS
Chip Model	AT6558R
Positioning Antenna	Built-in antenna
Antenna Specifications	25x25x2mm
Concurrent GNSS	GPS+BDS (Default)
Update Rate	1 Hz
Channels	20
Tracking Sensitivity	-162dBm
Cold Start Open Sky	32 s
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	4 mA 12V (Sleep) 55 mA 12V (Active)
Built-in Battery	200MA/3.7V
Working Temperature	-25°~70°C
Storage Temperature	-40°C - 80°C
Sensor	Precision vibration sensor

Optional

588M Relay Adapter Cable	Optional
1-Wire	Optional
2PIN SOS	Optional
Fuel sensor	Optional