

V18



GPS ASSET TRACKER

KEY FEATURES

- 4G LTE Cat .1
- 2500mAh Large Battery
- Multi-mode Positioning (GNSS/Wi-Fi/BLE/LBS)
- Temperature & Humidity Monitoring
- Violent Transportation Alarm
- Disassemble Alarm Detection
- Bluetooth 5.0



INTRODUCTION

V18 is a 4G CAT1 smart positioning terminal specially designed for asset and cargo transportation management. It adopts a card-shaped design, with a small body that is convenient for placement in more application scenarios. The device supports multiple positioning modes, including Beidou/GPS-Fi/Bluetooth/LBS, for faster and more accurate positioning. It also has built-in sensors such as a light sensor, temperature and humidity sensor, Hall sensor, 3-axis/6-axis accelerometer, which can be used for functions such as open box reminder, temperature and humidity monitoring, door magnetic detection, and violent transportation. It supports Bluetooth 5.0 communication, which makes V18 have more application possibilities.



Cold chain
transportation



Container
Tracking



Luggage
Tracking



4G
Network



Electronic
Fence



Temperature &
Humidity Monitor



Light-sensing
Disassembly Alarm



Battery
display



Bluetooth
5.0



Indoor and
outdoor positioning



Data Analysis And
Processing

SPECIFICATIONS

GENERAL

Network	4G Cat.1
Shell Material	ABS+PC plastic
Voltage input	5V1A
Bluetooth version	BLE 5.0
button	Power button, reset button

WIRELESS

Data Support	SMS, TCP
4G LTE Cat1 bands	LTE-FDD: B1/B3/B5/B8/ LTE-TDD: B34/B38/B39/B40/B41
Data Transfer	LTE: Max10Mbps(DL)/Max5Mbps(UL)
Data Support	SMS (TXT/PDU)

CONNECTOR

USB	1 Type-C
GPS Antenna	Internal
LTE Antenna	Internal (FPC Antenna)
SIM Card	Micro SIM

ON BOARD

LED	x7 Power LED x4 Positioning mode LED x3
light sensor	support
3D Accelerometer	On Board(Violent transportation monitoring requires a six-axis gyroscope)
Temperature and humidity sensor	support
Hall sensor	Optional
gyroscope	Optional

SIZE AND WEIGHT

Dimensions	112.5x62x11mm
Weight	86g

POSITIONING

Location Technology	GPS/BeiDou/LBS/WIFI
Chip Model	AT6558R
Positioning Antenna	Built-in antenna
Antenna Specifications	18x18x2mm
Update Rate	1 Hz
Channels	66
Tracking Sensitivity	-162dBm
Cold Start Open Sky	32 s
Hot Start Time	1 s
Assisted GPS	Supported

ELECTRICAL

Hardware Protection	Overcharge protection Overvoltage protection Overcurrent protection
Standby Current	≤5mA (With Built-in Battery)
Built-in Battery	2500mAh 3.7V (Rechargeable Battery)
Working Temperature	-20°C - 70°C
Storage Temperature	-40°C - 85°C
Temperature Detection	-40 - +125°C, error ±0.3°C, accuracy 0.1°C
Humidity Detection	0-99%RH, accuracy 0.1, error ±5%

