

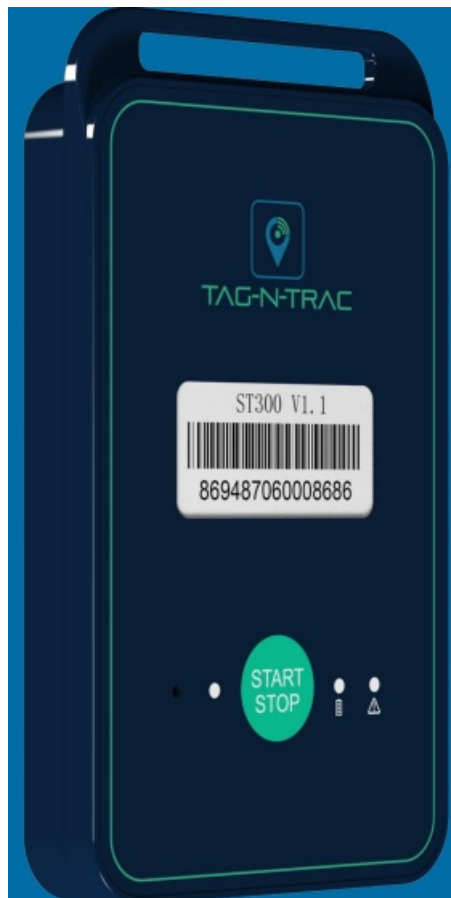


AOVX G series tracker devices User Guide

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Global connectivity
Global 4G Cat.1
With 2G Fallback



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G series tracker devices

Avoid False Triggering Button	Install Free
Usage Area Global	IP67 Rugged
Temperature Accuracy : 0.5 °C	Battery types : Chargeable Li-Ion
Sensors Temperture Humidity Motion Light Pressure	Positioning Technology LBS/WIFI

Dimensions:

115.7mm × 68.7mm × 14.8mm

“ THE DATA THROUGH THE WHOLE SHIPMENT IS CRUCIAL , SO WHAT WE NEED IS NOT ONLY TRACKER , BUT ALL DATA . ”

Aovx G series tracker devices are ideally for tracking and temperature monitoring of cold chain , food and fruits storage and transportation, ultra thin 8mm, just put it with goods requires monitoring .

Integrates global connectivity by cellular network 2G,4G Cat.1 , NB-IoT and Cat.M1 without data plan contract .

Aovx G series tracker devices have integrated multiple sensors for moni-toring of movement , vibration , tampering , delay , temperature, humidity and geofence . Indoor and outdoor positioning supported by WIFI ,LBS and GPS ,GLONASS ,GALILEO and BEIDOU . Short range wireless BLE [Blue- tooth Low Energy] is flexible for easy configuration , pair with external BLE sensors or accessories , which makes G series tracker device working as BLE gateway .

Aovx data is always crucial for assets management , which has been encrypted , data buffer capacity and uploaded via TCP/MQTT protocols, make it easy to deploy in the cloud platform. Firmware over the air OTA is always important for after sale maintaince.

Aovx insight platform view location and condition data of your shipments in real time to ensure on time and in full delivery , specify the constraints relevant to your shipments and receive notifications when issues arise and create detailed reports to share with customers and analyze your data to identify improvement opportunities.



“AOVX VISION IS TO HAVE SHIPMENT FULLY TRANSPARENT , WHERE THE ASSETS ARE ALL IN SAFE AND UNDER CONTROL ”

” People in the world are connected by mobile phone in the daily life , they share the location , emotion in the internet . At the age of IoT , we are thinking about if it is possible to have a basic functional mobile phone for these assets , which make them connected and have their data managed , it would make shipment smarter and make assets safer .That’s the reason why Aovx is here . Aovx team members are from Quectel ,Queclink ,Hikvision and Sony . Strong knowledge of cellular modules ,worldwide network and regulatory in tracker field.

Aovx assets tracker solutions corp. is committed to protecting the assets in warehouse and in-Transit process , rather than location service , assets condition is also under monitored – vibration status , temperature alert embedded with multiple sensors and wireless technology , 4G LTE , NB-IOT and Cat.M1 , WIFI and BLE.

Supported by “service consciousness, customer experience, executive action ” business philosophy, continue to provide customers with stable and reliable product and technology sales services, grow together with customers success.”

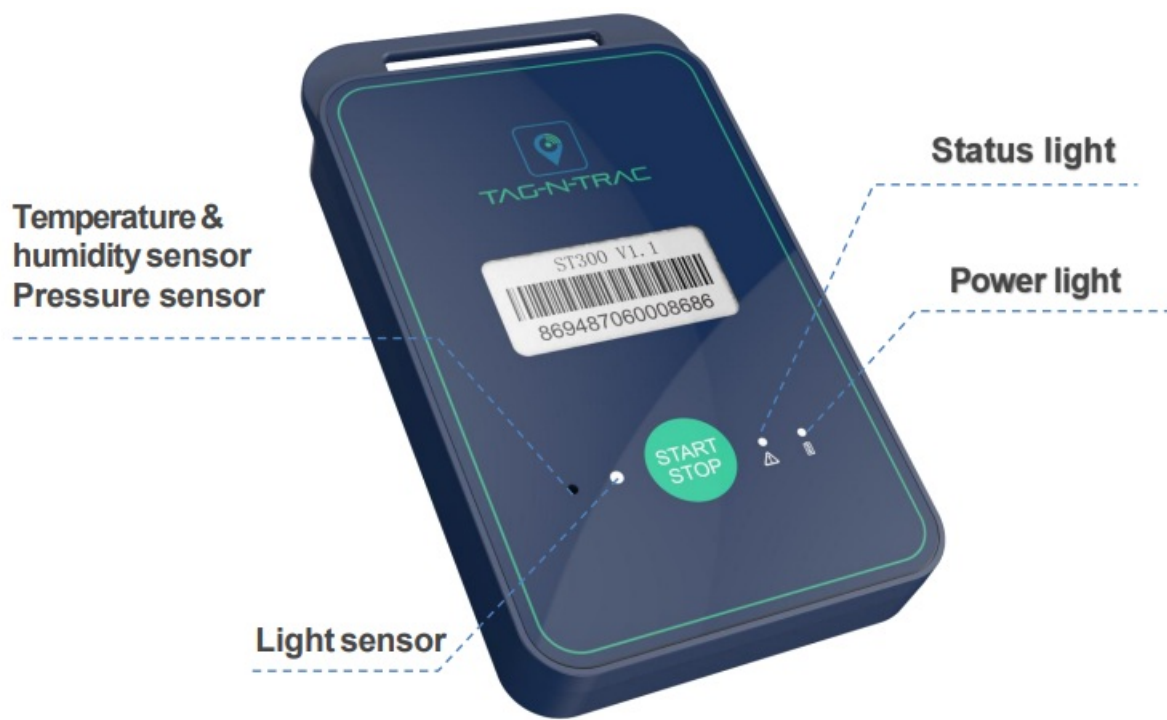


LinkedIn

Scan QR code

<https://www.linkedin.com/company/aovxassettracker/mycompany/?viewAsMember=true>

OVERVIEW



FEATURES

General Specification

Operating Temperature	– 40°C~+55°C
Dimensions	115.7mm × 68.7mm × 14.8mm
Weight	Approx. 119g
Firmware Upgrade	USB interface, OTA
Data Encryption*	TEA, AES or RSA*(optional)
Supply Voltage	3.7V Rechargeable
Stand-by Current	≤80uA
Battery Life	1 Year @ 1 report per day
Waterproof Grade	IP67

Global Network

Variant for the Global

LTE-FDD	B1/B2/B3/B4/B5/B7/B8/B12/B13/B17/B18/B19/B20/B25 /B26/B28/B66
LTE-TDD	B34/B38/B39/B40/B41
GSM	GSM850/ EGSM900 /DCS1800/PCS1900

General Specification

Horizontal Position Accuracy	Autonomous: <25m CEP
Pressure Accuracy	Relative accuracy:±0.06hPa,equiv.to±0.5 m Absolute accuracy:typ.±1hPa(300...1100hPa)
Acceleration Accuracy	Without Aid: <0.1m/s ²
Reacquisition Time	<1s
TTFF @-130dBm with EASY™:	Cold Start: <15s; Warm Start: <5s; Hot Start: <1s
TTFF @-130dBm without EASY™	Cold Start: <35s; Warm Start: <30s; Hot Start: <1s

Buffer Storage:

ST300	24000 messages
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Hardware Features

USB	Type-C
(U)SIM Interface	Nano SIM card
Cellular Antenna	internal
LED	× 2, Power Light, Status Light
Motion Sensor	Gravity Measurement Range: ±2g/±4g/±8g/±16g ODR Bandwidths: 1Hz ~ 400Hz
Light Sensor	Measuring Range: 1~ 1000 (adjustable levels)
Temperature and Humidity Sensor	Humidity Measurement Accuracy: ±3% RH@ 0°C~+65°C Temperature Measurement Accuracy: ±0.5°C , - 40°C~+65°C
Battery Capacity	3500mAh(Optional)

Air Protocol

LTE (Cat 1)	LTE FDD: Max 10Mbps (DL)/Max 5Mbps (UL) LTE TDD: Max 8.96Mbps (DL)/Max 3.1Mbps (UL)
GSM	Max 85.6Kbps (DL)/Max 85.6Kbps (UL)
Transmit Protocol	TCP , MQTT
Working Modes	Power saving mode for long standby time Continuous mode for emergency tracking
Scheduled Timing Report	Report position and status at preset time intervals
Geo-fences	Support up to 5 internal geo-fence regions(platform)
Low Power Alarm*	Alarm when internal battery is low
Wakeup Report	Report when the device wakes up
Motion Detection	Motion detection based on internal 3-axis accelerometer

Documents / Resources



[AOVX G series tracker devices](#) [pdf] User Guide
V0CG06J17, 2A24I-V0CG06J17, 2A24IV0CG06J17, G Series Tracker Devices, G Series, Tracker Devices, Devices

References

- [User Manual](#)