VA20

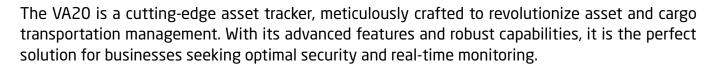## COMPACT SIZE INTELLIGENT
ASSET TRACKER

Experience The Advantage

- COMPACT SIZE FOR CARGO MONITORING
- UNBOXING ALARM
- TEMPERATURE MONITORING
- HUMIDITY MONITORING
- DOOR SENSOR MONITORING
- VIOLENT TRANSPORTATION DETECTION

The VA20 is a cutting-edge asset tracker, meticulously crafted to revolutionize asset and cargo transportation management. With its advanced features and robust capabilities, it is the perfect solution for businesses seeking optimal security and real-time monitoring.

Featuring a wide range of positioning technologies, including GPS, Beidou, Wi-Fi, Bluetooth, and LBS, the VA20 ensures accurate and reliable tracking of your valuable assets. Whether they're on the move or stationed at a specific location, you'll have full visibility and control at your fingertips.

What sets the VA20 apart is its array of built-in sensors, designed to enhance functionality and deliver invaluable insights. Equipped with a light sensor, temperature sensor, humidity sensor, Hall sensor, and 3-axis/6-axis sensors, this tracker offers a comprehensive suite of features:

Unboxing Alarm, Temperature Monitoring, Humidity Monitoring, Door Sensor Monitoring, Violent Transportation Detection.

Additionally, the VA20 supports Bluetooth 5.0 communication, opening up a world of possibilities for various applications. Seamlessly connect and integrate with other devices and systems, expanding the capabilities and versatility of the VA20 to meet your specific needs.

GENERAL

Network Technologies	LTE-CAT 1 / GPRS / SMS
Location Technology	66 channel GPS
Operating Voltage	3.7V LiPo Battery

CELLULAR/BANDS

4G LTE-FDD, EMEA VERSION	B1/B3/B5/B8
4G LTE-FDD, LATIN VERSION	B2/B4/B8/B28
GSM/GPRS	900/1800

GPS

GNSS	GPS, BDS
Receiver	66 channels
Location Accuracy	< 10 m
Tracking Sensitivity	-165 dBm
Acquisition Sensitivity	-148 dBm
Cold Start (open sky)	32 seconds
Hot Start (open sky)	1 second
AGPS / Location assistance capable	

POWER

Back-up battery	2500mAh / 3.7V LiPo battery
Power Consumption	49 mA @ 3.7V working
	<2.5 mA @ 3.7V deep sleep

ENVIRONMENTAL

Operating temperature	-20°C to +70°C
Operating humidity	5% to 95% non-condensing
Ingress Protection Rating	IP 65

PHYSICAL

Dimensions	112.5 (L) x 62.0(W) x 11.0(H) mm
Weight	86 g

SENSORS

Light sensor	support
Accelerometer	Support
Gyro	optional
Hall sensor	Optional
Temperature sensor	-40℃ - +125℃ ±0.3℃ precision 0.1℃
Humidity sensor	0-99% RH precision 0.1 ±5%

INDICATORS

Battery power	support
Real-time positioning mode	support
Cargo monitoring mode	support
Long standby mode	support
Temperature and humidity	support

BLUETOOTH

Bluetooth 5.0	support