



## RFO-AVT50 Autonomous 4G ASSET Tracker with GNSS



DATA SHEET

### Product Description

#### General

The RFO-AVT50 is designed specially for easy installation and long battery life demand. Its large rechargeable backup battery of 5.000mAh allows the tracker to operate for around 10 days using ten-minute intervals of locations update.

It contains built-in sensors for recording temperature and light levels, making the product ideal for monitoring perishable goods such as fruit, vaccines and pharmaceuticals in cold chain logistics. With 6pcs built-in high power magnets it can be installed on any magnetic metal surface easily.

Simply pass the RFO-AVT50 to the driver of the truck for fool-proof installation and no matter what orientation the product is placed, its good quality internal GPS antenna allow reliable GPS positioning. Its built in light sensor can also trigger alerts for tamper attempts.

#### Geo-fence

By setting one or several specific areas (home, company or others), the device will deliver the information to the Web Portal which will then send an alarm to your APP or system. In consequence you are always informed about the actual situation of your vehicle.

#### Vibration Alarm

This function is mainly used for anti-theft of vehicles. As soon as the system senses a movement on the car it will send an alarm and alert the concerned person.

#### History Management

The RFO-AVT500 provides historic route data of the vehicle. This can be seen either in the APP or on the Web Portal. As a standard this data is stored for 180 days.

#### Additional functions

**Powerful Magnet:** To install the tracker on any magnetic metal on the vehicle.

**Big battery:** 5000mAh battery assures long time functionality.

**Temperature monitor:** This sensor allows to monitor the temperature during the time of transportation to evaluate the cold chain

**Sleep mode:** When turned on the device will go into sleep mode to save battery consumption.

<b>Article no:</b>		<b>RFO-AVT50</b>
<b>Typical Applications</b>		
• Fleet Management	• Anti-Theft	
• Rental vehicles	• Cold chain management	



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Technical Specifications	RFO-AVT50
<b>System</b>	
GPS launch time	Cold start 32 sec Hot start 1 sec
GPS channels	64
Charging time	10 hours
Battery Capacity	3,7VDC 5000mAh Lion Polymer battery
Battery Working time	Tracking mode, 1 minute reporting: 5 days
Working voltage	DC3,4 - 4,5V
Working current	4V / Average 45mA
Sleeping current	4V / less than 5mA
Working temperature	-20 to +75 degrees
SIM Card	Micro Sim Card
Working Humidity	10% - 85% non condensing
Positioning type	GPS+BEIDOU+LBS
GSM & GPS Antenna	Built in
Network Interface	2G GSM / GPRS
Group	2G GSM: 850/900/1800/1900 Mhz
Tracking sensivity	-162 dBm
Position accuracy	5-10m
LBS accuracy	100 - 200m
External Interface	Microphone, Light sensor, Temperature sensor
Dimensions	85(W)x49(H)x30(H) mm
Weight	172g

**RFO-VT500 view**

Totally autonomous device

30mm (top view height)  
49mm (front view width)  
85mm (front view height)

Labels: USB Portion, Charging Portion, Induction Sensor, Powerful Magnet, Mic

**REGION**  
Worldwide

**OPERATION BANDS**  
4G LTE FDD: B1/B2/B3/B4/B5/B7/B8/B28/B66  
2G GSM/GPRS/EDGE: 850/900/1800/1900MHz

**POSITION ACCURACY**  
GNSS Accuracy: <5 meters

**CERTIFICATES**  
CE, FCC, RoHS



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<b>Applications</b>	<b>RFO-AVT50</b>
Truck	
Trunk/ Luggage	
Vehicle	
Container	a.m.m.



### Functions at a glance

- 4G & 2G
- GPS & LBS Dual Positioning Ways
- Powerful Magnet
- Waterproof IP65
- 5000mAh Backup Battery
- Voice Monitor
- Temperature Monitor
- Geo-fence
- Tearndown Alarm
- Vibration Alarm
- Movement Alarm
- Overspeed Alarm

<b>Article no:</b>		Tracker	<b>RFO-AVT50</b>
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