



RFO-AVT500 Autonomous Vehicle Tracker for Fleet Management



DATA SHEET

Product Description

General

The RFO-AVT500 is designed for logistic companies to track and trace shipments on third-party vehicles which do not allow full telematics product installations and require a battery powered product for easy installation and removal.

It contains built-in sensors for recording temperature and light levels, making the product ideal for monitoring perishable goods such as fruits, vaccines and pharmaceuticals in cold chain logistics. Its large and rechargeable battery allows the product to operate for ninety-five days while providing location updates in ten-minute intervals.

Simply pass the RFO-AVT500 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 allows reliable GPS positioning. Its built in light sensor can also trigger alerts for tamper attempts.

Geofence

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 alerts 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: 5.000 mAh 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.

Article no.:		RFO-AVT500
Typical Applications		
• Fleet Management	• Anti-Theft	
• Rental vehicles	• Cold Chain Management	



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Technical Specifications	RFO-AVT500
System	
GPS launch time	Cold start 32 sec Hot start 1 sec
GPS channels	64
Charging time	10 hours
Battery capacity	3,7 VDC 5.000 mAh Lion Polymer battery
Battery working time	Tracking mode: 1 minute reporting/5 days,10 minutes reporting/up to 92 days
Working voltage	DC 3,4 - 4,5 V
Working current	4V/Average 45 mA
Sleeping current	4 V/less than 5 mA
Working temperature	-20 degrees 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	2 G GSM/GPRS
Group	2 G GSM: 850/900/1.800/1.900 Mhz
Tracking sensivity	-162 dBm
Position accuracy	5 - 10 m
LBS accuracy	100 - 200 m
External interface	Microphone, light sensor, temperature sensor
Dimensions	92(W) x 49(H) x 30(H)mm
Weight	172 g

RFO-VT500 view

Totally autonomous device

Labels in diagram: GPS LED, Charging LED, GSM LED, USB Port, SIM Card Slot, MIC, Induction sensor, Powerful Magnet.

Dimensions: 49mm (width), 92mm (height), 30mm (depth).

<p>REGION</p> <p>Worldwide</p>	<p>OPERATION BANDS</p> <p>2G GSM 850/900/1800/1900 MHz</p>
<p>POSITION ACCURACY</p> <p>GPS Accuracy: <10 meters</p>	<p>CERTIFICATES</p> <p>CE</p>



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Applications	RFO-AVT500
Truck	
Trunk/Luggage/Valuables	
Vehicle	
Container	a. m. m.



Functions at a glance

- Powerful Magnet** (Icon: U with lightning bolts)
- Waterproof IP65** (Icon: Water drop)
- Built-in 5000mAh Battery** (Icon: Battery symbol)
- Voice Monitor** (Icon: Ear)
- Vibration Alarm** (Icon: Car with vibration lines)
- Temperature Monitor** (Icon: Thermometer)
- Tearndown Alarm** (Icon: Car with arrow pointing away)
- Geo-fence** (Icon: Circle with location pin)

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