



RFO-AAT90

Autonomous 4 G Asset Tracker



DATA SHEET

Product Description

General

The RFO-AAT90 is designed for any type of assets which do not allow full telematics product installations and require a battery powered product for easy installation and removal.

It has a backup 3 000 mAh rechargeable battery that allows the device to operate for around 5 days if the location update is made in 10 minutes intervals. With its high quality built-in microphone it can be used for remote voice monitoring or for SOS (using the panic button) to call for help under emergency situations.

It can communicate either via 4 G or via 2 G and placed on any asset it will give you full transparency about its status and/or location.

Location is made via GPS or LBS simultaneously.

Geofence

By setting one or several specific areas (home, company or others), the device will deliver the information to the webportal 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-AAT90 provides historic route data of the vehicle. This can be seen either in the APP or on the webportal. 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: 3.000 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-AAT90
Typical Applications		
• Fleet Management	• Anti-Theft	
• Rental Vehicles	• General Tracking	



Contact:

sales@radioforce.net
www.radioforce.net



Technical Specifications	RFO-AAT90
System	
GPS launch time	Cold start 32 sec Hot start 1 sec
GPS channels	64
Charging time	6 hours
Battery capacity	3,7 VDC 3.000 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	4 V/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	4G LTE-FDD + 2 G GSM/EDGE
GPS antenna	Built in
Tracking sensivity	-162 dBm
Position accuracy	5 - 10 m
External interface	Microphone, SOS, type-C recharging
Dimensions	76(W) x 27(H) x 40(H)mm
Weight	150 g

RFO-VT500 view

Totally autonomous device

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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Applications	RFO-AAT90
Taxi	
Private Car	
Personal	
Valuables	a. m. m.



Functions at a glance

- 4G & 2G
- GPS & LBS Dual Positioning Ways
- Waterproof IP65
- 3000mAh Backup Battery
- Voice Monitor
- SOS SOS Panic Button
- Multiple Anti-theft Alarms: Geo-fence, Vibration Alarm, Movement Alarm

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