Product description





GENERAL DESCRIPTION

Product general description:

The RFT-Tracker 7 is a compact and stand-alone low power module with GPS / LoRa functions, designed to be installed on vehicles or assets in order to geolocalize them.



Key features:



Trackers

LoraWan Class A connectivity



GPS and TDOA Geo-location



Very low power design



Accelerometer



Motionless detection condition for extended battery life

• 7Ah Lithium- Thionyl Chloride cell Embedded

Optional key features:



ILS (magnetic On/Off switch)



"Discover" feature, based on RF-TRACK LoRa private protocol, to identify where is located the tracker-7 (without using the geolocation reports by LoRaWAN)



Transmission of the 3 "last positions" tracking history

NFC connectivity

Référence du produit : Tracker 7 V3 (2018)



Product description

Trackers





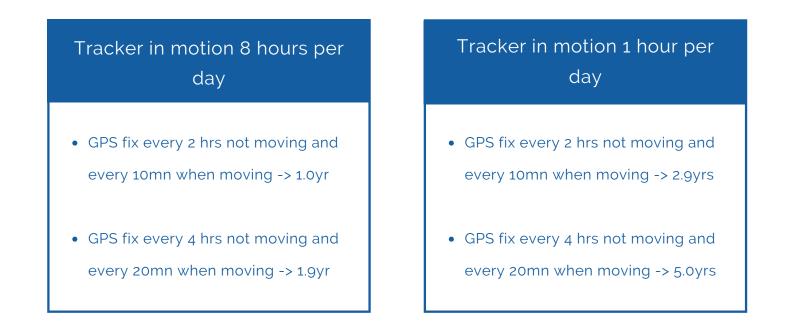
Special embedded functions:

- Stop and go detection report
- "Mobility rate" meter
- Downlink commands to set up the device

Special care has been taken to lower current consumption, powering on GPS and LoRa transceiver only when needed. The accelerometer can be used to detect motionless condition to deactivate the GPS in order to further extend battery life. Using LoRa module, geo-localization data are transmitted to a public or private LoRaWan network and can be used by your customer application.

ESTIMATED LIFETIME

GPS Geolocation Only (without using the "Discover" feature):



Trackers

Product description





GPS Geolocation only on stop and go detection when moving, TDOA otherwise (without using the "Discover" feature) :

Tracker in motion 8 hours per day

Moving: GPS location every stop and go (3 stop and 3

start /day) TDOA location every 10mn

Not Moving: GPS location every 24 hrs => Lifetime = 5yrs

Temperature range [-20°C, +55°C]

FUNCTIONALITIES

Normal mode: transmit a GPS position at fixed periodic rate, even if the tracker detects motionless.

Motion detection mode: transmit a GPS position at a shorter periodic rate if the tracker is moving. Motion detection is performed using embedded accelerometer with algorithms.

Upload rate configuration: Periodic rates of the two previous modes can be changed by a downlink command, configured from your customer application.

Stop and go detection: Based on the embedded accelerometer, the tracker sends the location where it has been detected.

Référence du produit : Tracker 7 V3 (2018)

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Trackers

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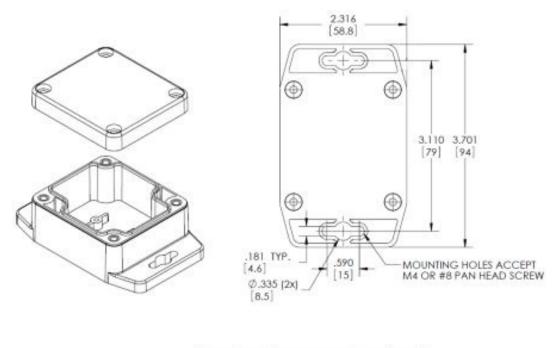


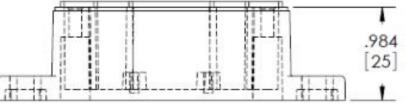


MECHANICAL CHARACTERISTICS

IP65 compliant enclosure

Dimensions : 94 x 58 x 25 mm





APPLICATIONS

- Vehicles fleet and asset geolocation
- Remote diagnosis and maintenance for industrial machines (movements, vibrations, use rates)
- Theft detection

Référence du produit : Tracker 7 V3 (2018)

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