

# RFT Asset Logger

GPS/GPRS Tracker

Rev 2










## GENERAL DESCRIPTION

### Product general description:

The RFT-Asset-Logger is a compact design with GPS / GPRS functions and hour meter, designed to be installed on vehicles in order to geotag them and measure how much time they have been used.



### Main key features:

-  GPRS quad band 2G connectivity with MQTT / TLS 1.2 secured protocol
-  GPS Geolocation
-  Hour meter algorithm from battery voltage analysis
-  Hour meter algorithm from engine alternator pick-up
-  Powered from the +12V or +24V of the vehicle
-  Internal back-up battery if disconnected from main supply
-  Bluetooth connectivity for device configuration via mobile application
-  Internal accelerometer
-  External Digital and Analog Input

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Rugged design able to stand temperature variations and vibrations from the vehicle.

Temperature range [-20°C, +55°C]

## FUNCTIONALITIES

**Mode normal stopped:** vehicle battery is present, engine is off, no movement => stop, periodic uplink

**Mode normal transport:** vehicle battery is present, engine is off, movement => transport, periodic uplink

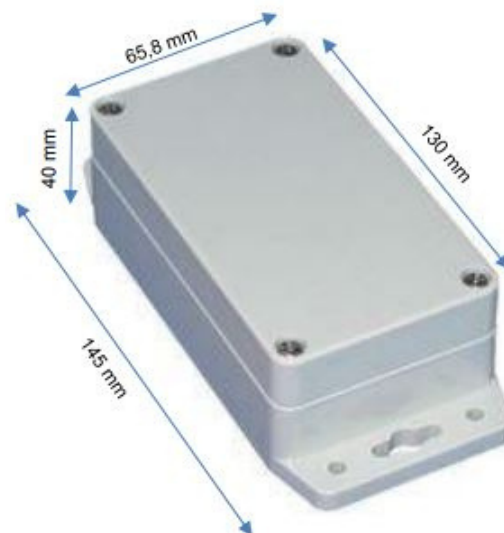
**Mode normal work:** vehicle battery is present, engine is on (detected either by battery analysis or by numerical input), movement or no movement => work periodic uplink

**Mode normal battery ko:** vehicle battery is not present => battery ko periodic uplink

**Mode maintenance:** no analysis => no fix, only modification between Maintenance and Normal mode is transmitted

## MECHANICAL CHARACTERISTICS

IP65 compliant enclosure





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## APPLICATIONS

- Vehicles fleet geolocation with hour meter index. Useful for construction or agricultural machineries tracking and monitoring.
- Theft detection. If the main supply is disconnected, an alarm is sent using the internal backup battery.

## CUSTOMISATION ON DEMAND

Ex:

- Internal Temperature reading
- External sensors interfaces