



## 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
- Or 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

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

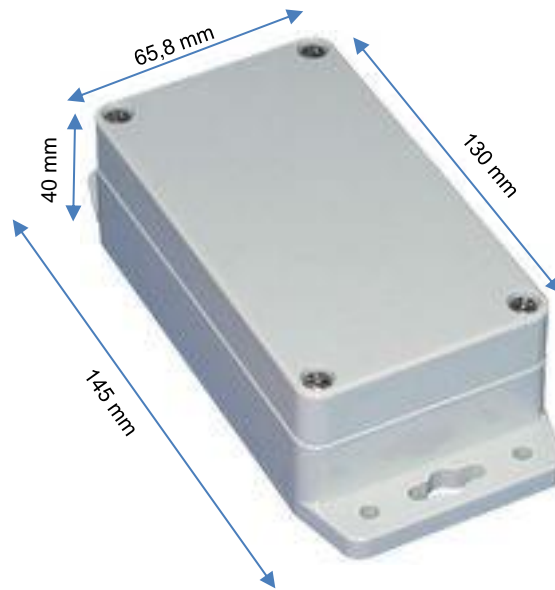
Mode normal work: vehicle battery is present, engine is on (detected either by battery analysis or by numerical input), movement or no movement => work periodic uplink

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



## 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 back-up battery.

## Customisation on demand

Ex:

- Internal Temperature reading
- External sensors interfaces