TELTONIKA

FM1122

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Description

FM1122 is light realtime tracking terminal with GPS/GLONASS and GSM connectivity, which is able to collect device coordinates and other useful data and transfer them via GSM network to server. This device is perfectly suitable for applications where location acquirement of remote objects is needed: fleet management, car rental companies, taxi companies, public transport, logistics companies, personal cars and so on.

Applications

FM1122
Mounting Area

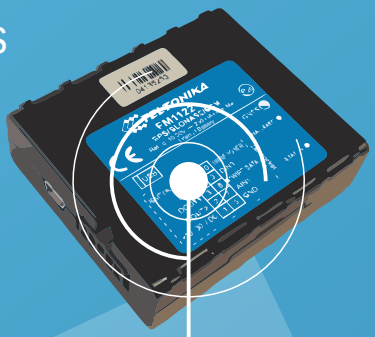
If You think, this is not enough to win ALL Your potential customers - please contact us to get advices how to use it in Your application!

RoHS Compliant

ISO 9001
DNV
CERTIFIED ORGANISATION

TELTONIKA

Accessories/features



- Fuel monitoring with analog LLS fuel sensors
- Ignition detection
- Door sensors
- Alarm button
- LED indication
- Buzzer
- Power saving
- 1-wire Temp sensors
- External GPS/GLONASS antenna
- Internal GSM antenna
- Internal backup battery
- Relay
  - Engine block
  - Starter block
- Trip detection
- Overspeeding detection
- Auto Geofencing
  - Detect car towing
  - Car theft prevention
- 1-wire iButtons
- Driver identification

Features

- 1.Small and easy to mount case
- Internal GSM antenna and External GPS/GLONASS antenna for easy mounting and best performance
- Real Time tracking
- Smart data acquisition - based on time, distance, angle, ignition and I/O events allow to have precise online tracker
- Sending acquired data via GPRS (TCP/IP and UDP/IP protocols)
- Smart algorithm of GPRS connections for GPRS traffic saving
- Operating in roaming networks by preferred GSM providers list
- Events from I/O elements detection and sending via GPRS or SMS
- Scheduled 24 coordinates SMS sending when GPRS not available
- 5 geofence zones (rectangular or circle)
    - Auto Geofencing crested for car towing detection and car theft prevention
- Deep Sleep mode (less than 2 mA power consumption)
- FOTA (firmware updating via GPRS)
- 3 operational modes (Home, Roaming, Unknown) based on operator
- Integrated scenarios:
    - Over speeding to secure driver and prevent penalties
    - Immobilizer function
    - Authorized driving (1-Wire® iButton ID keys up to 50 iButton keys)use to prevent stealing or indicate drivers
    - Trip start and end detection
- FM1122 supports a remote logs reading
    - FM1122 supports remote diagnostic logs functionality using GPRS. Possible issues resolving becomes faster. Manufacturer can read logs remotely using SMS/GPRS to diagnose the FM1122 and timely respond to the fault

Specification

GSM

- Quad-band 900/1800 MHz; 850/1900 MHz
- GPRS class 10 (up to 85,6 kbps)
- SMS (text/data)

GPS/GLONASS

- NMEA protocol compatible. Messages: GGA, GGL, GSA, GSV, RMC, VTG, TXT
- 32 channel GPS/GLONASS receiver
- Not less than -160 dBm

Interface

- 1 Digital Input Reserved for Ignition Status Monitoring
- 2 Digital Inputs
- 1 Analog Input (10V or 30V range)
- 2 Digital Open-collector Outputs (connecting external relays, LED, buzzers etc.)
- 1Wire® temperature sensor
- 1Wire® iButton
- Motion sensor
- Power supply (+10...+30) V DC
- Internal GSM antenna
- External GPS/GLONASS antenna
- Integrated back-up battery
- Dimensions: L(65mm)xW(56,6mm)xH(18,9mm)
- 2 Status LEDs
- Configuration and firmware upload (FOTA and via cable)

Accessories

USB to mini USB cable

Main socket 2x5

Door sensors

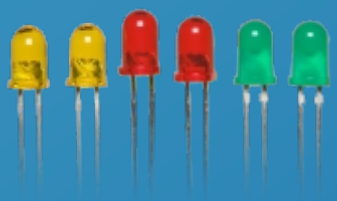
Analog fuel sensor LLS-AF 20310

Alarm button

Relay 12V/24V

1Wire® temperature sensor (TTJ)

LED



1Wire® iButton and iButton reader

Buzzer

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Teltonika reserves a right to modify the functionality of the device without any prior notice. Document version 2.01 (2014/10/13)