TELTONIKA

FM1125

Description

FM1125 is light real-time tracking terminal with GPS/GLONASS, GSM connectivity and RS232/RS485 data interface support, 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

FM1125
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!

SERVER

INTERNET

DATA

DATA

DATA

TAVL

Garmin	RFID reader	LCD	Digital LLS fuel sensor RS232/RS485

ISO 9001

DNV CERTIFIED ORGANISATION

RoHS Compliant

Accessories/features

- Fuel monitoring with analog LLS fuel sensors
- Ignition detection
- Door sensors
- Alarm button
- LED indication
- Buzzer
- Power saving
- 1-wire Temp sensors
- Internal GPS/GLONASS antenna
- Internal GSM antenna
- Internal backup battery

- RS232/RS485
  - Garmin FMI
  - RFID reader
  - LLS fuel sensors
  - LCD
- Relay
  - Engine block
  - Starter block
- Trip detection
- Overspeeding detection
- Auto Geofencing
  - Detect car towing
  - Car theft prevention
- 1-wire iButtons
- Driver identification

Features

- Small and easy to mount case
- Internal GSM antenna and Internal GPS/GLONASS antenna allow mount FM1125 much easier
- 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
- RS232/RS485 peripherial device support:
    - GARMIN FMI support
    - Digital LLS fuel sensors support
    - RFID protocol support

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
- 1 Analog Input (10V or 30V range)
- 1 Digital Open-collector Outputs (connecting external relays, LED, buzzers etc.)
- 1Wire® temperature sensor
- 1Wire® iButton
- RS232/RS485
- Motion sensor
- Power supply (+10...+30) V DC
- Internal GSM antenna
- Internal 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

TELTONIKA

USB to mini USB cable

Main socket 2x5

Door sensors

Analog LLS sensors

Digital LLS RS232 sensors

Digital LLS RS485 sensors

Alarm button

Relay 12V/24V

1Wire® temperature sensor (TTJ)

LED

1Wire® iButton and iButton reader

Buzzer

Rs232

LCD

GARMIN navigation

RFID

Teltonika reserves a right to modify the functionality of the device without any prior notice. Document version 1.01 (2015/03/31)