



# FM1125

## With external GPS/GLONASS antenna



### Description

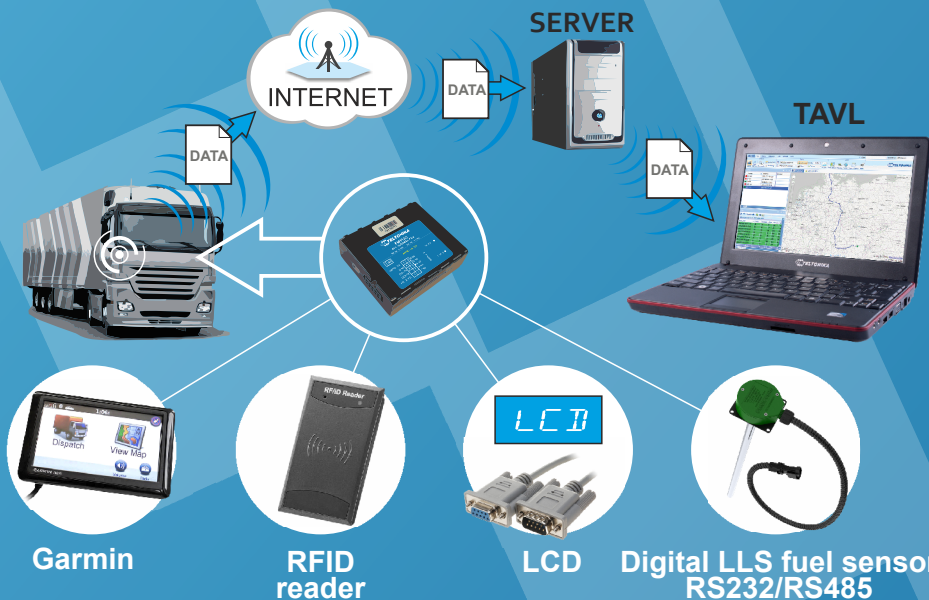
FM1125 is light real-time tracking terminal with GPS/GLONASS, GSM connectivity and RS232/RS485 data interface support, which is able to collect device coordinates and other useful data and transfer them via GSM network to server. This device is perfectly suitable for applications where location acquirement 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!



FM1125

Garmin

RFID reader

LCD

Digital LLS fuel sensor RS232/RS485



## 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

 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 External GPS/Glonass antenna for high performance
- RealTime 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 peripheral 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
- 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 )

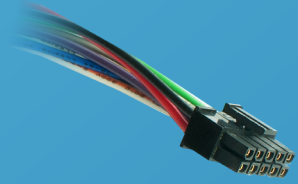
## Accessories



USB to mini USB cable



Main socket 2x5



Door sensors



Analog LLS sensors



Digital LLS RS232 sensors



Digital LLS RS485 sensors



Alarm button



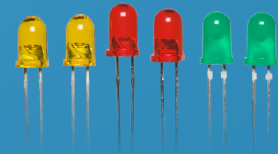
Relay 12V/24V



1Wire® temperature sensor (TTJ)



LED



1Wire® iButton and iButton reader



Buzzer



Rs232



GARMIN navigation



RFID



HQ JSC Teltonika