

# FM1010

## Easy Plug & Play Tracker



### Description

FM1010 is an easy plug and track realtime tracking terminal with GPS/GLONASS and GSM connectivity, which is able to collect device coordinates and other useful data to transfer them via GSM network to server. This device is perfectly suitable for applications where location acquirment of remote objects is needed: fleet management, car rental companies, taxi companies, personal cars and so on.

### Applications

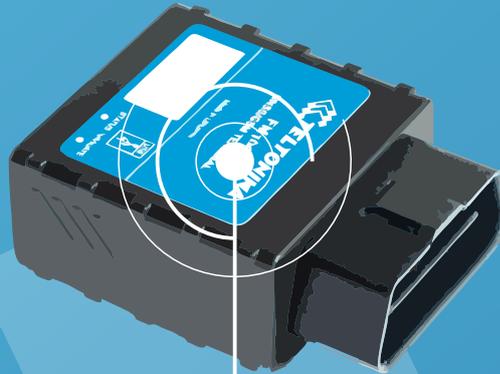


FM1010  
Mounting Area

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!



## Accessories/features



-  Internal backup battery
-  Trip detection
-  Overspeeding detection
-  Auto Geofencing
  -  Detect car towing
  -  Car theft prevention
-  Power saving

## Features

Plug and Track

Small and easy to mount case – directly to car OBDII connector

Internal GSM antenna and Internal GPS/GLONASS antenna allow mount FM1010 much easier

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 created 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

Trip start and end detection

FM1010 supports a remote logs reading

FM1010 supports remote diagnostic logs functionality using GPRS. Possible issues resolving becomes faster. Manufacturer can read logs remotely using SMS/GPRS to diagnose the FM1010 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, GGA, GGL, GSA, GSV, RMC, VTG protocol compatible

32 channel GPS/GLONASS receiver

Up to -161 dBm sensitivity

### Interface

1 Digital Input Reserved for Ignition Status Monitoring (depends on vehicle type)

Accelerometer

Power supply (+10...+16) V DC

Integrated back-up battery (optional)

Internal High Gain GSM antenna

Internal High Gain GPS/GLONASS antenna

Dimensions: L(50,7mm)xW(49,6mm)xH(25mm)

2 Status LEDs

Configuration and firmware upload (FOTA and via cable )

## Accessories

USB to mini USB cable



FM1010 adapter for power connection not from OBDII connector



FM1010 adapter for power connection from cigarette lighter



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