



# FM3622

Small and professional tracker with external high gain GNSS and 3G antennas, internal backup battery

FM3622



### Integrated 3G/GSM module

It makes this device usable worldwide, as there are countries which have only 3G network. User can choose if device will work only in GSM network, or will it prefer 3G network and switch to GSM only when 3G is absent.

### Various vehicle CAN data

With additional Teltonika Vehicle CAN adapter you will be able to acquire CAN data from any kind of transport such as light vehicles, trucks, buses, agriculture transport, and special transport. Supported vehicles list contains more than 1800 models.

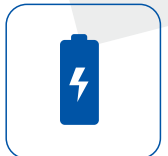


### 1-Wire®

1-Wire® protocol support enables you to identify up to 500 authorized drivers and connect temperature sensor. According to iButton® or RFID ID you can prevent unauthorized access to your fleet and temperature sensor allows you to monitor your cargo.

### Internal battery

Feel safe when vehicle is monitored by device with internal battery. When vehicle battery is disconnected, device still remains online and sends data to server.

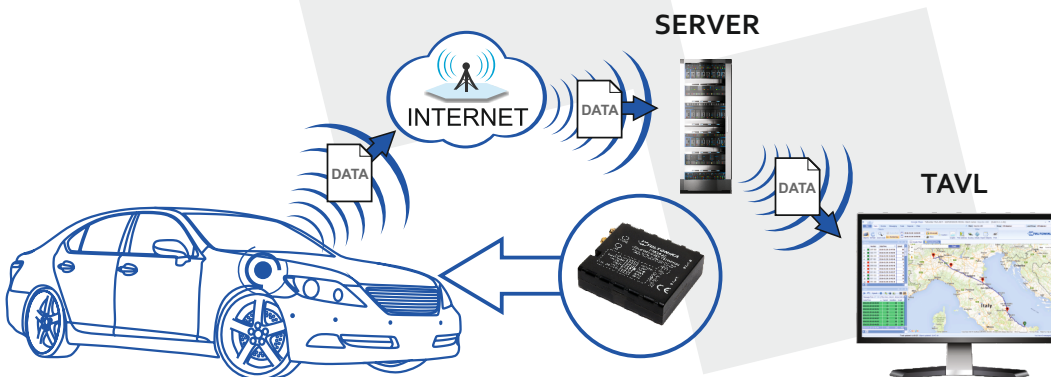


### Trip detection

Easy trip start and stop detection gives you possibility to have the report with correct time, location and driven distance for each trip.

### GNSS antenna disconnection detection

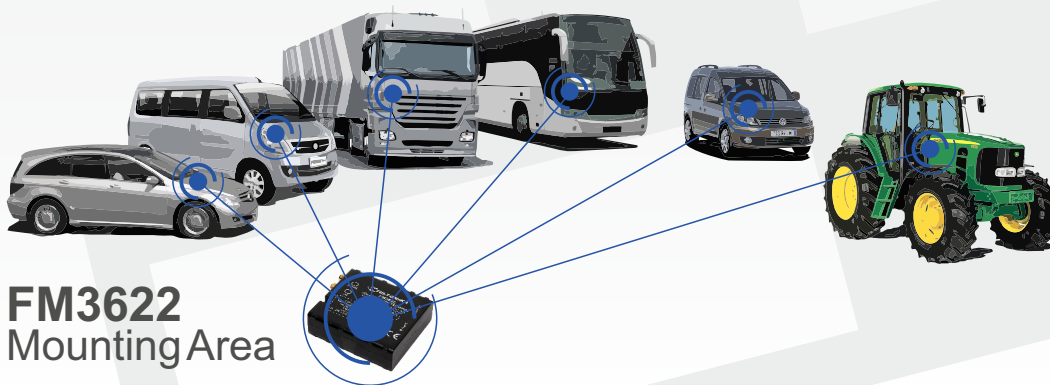
GNSS antenna disconnection detection will monitor the state of GNSS antenna. If any person cuts or disconnects the antenna, You will be immediately informed about such action.



## DESCRIPTION

FM3622 is light real-time tracking terminal with GNSS and 3G/GSM connectivity with backup battery, which is able to collect device coordinates and other useful data and transfer them via 3G/GSM network. 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



















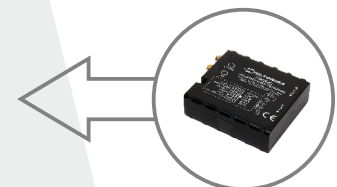
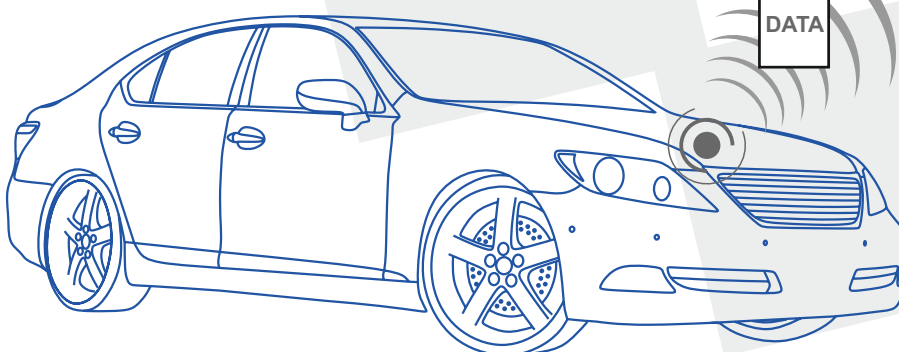
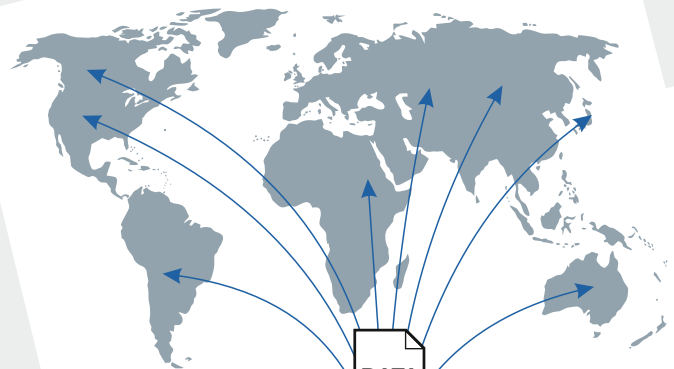
**FM3622**  
Mounting Area

## FEATURES

- ▶ Easy to mount case
- ▶ Real-time tracking
- ▶ Smart data acquisition - based on time, distance, angle, ignition, speed delta and I/O events allow to have precise online track
- ▶ Sending acquired data via 3G or GPRS (TCP/IP and UDP/IP protocols)
- ▶ Smart algorithm of 3G or GPRS connections (GPRS traffic saving)
- ▶ Operating in roaming networks by preferred GSM providers list
- ▶ Events on I/O detection and sending via 3G, GPRS or SMS
- ▶ Scheduled 24 coordinates SMS sending when GPRS not available
- ▶ NTP time synchronization (in places where GNSS is not available)
- ▶ CAN data acquisition from any kind of transport such as light vehicles, trucks, buses, agriculture and special transport with Teltonika Vehicle CAN Adapter
- ▶ 5 geofence zones (rectangular or circle)
- ▶ Auto Geofencing crested for car towing detection and car theft prevention
- ▶ DeepSleep mode (less than 4 mA power consumption)
- ▶ FOTA (firmware updating via GSM/3G)
- ▶ 3 operational modes (Home, Roaming, Unknown) based on operator
- ▶ Integrated scenarios:
  - ▶ Over speeding to secure driver and prevent penalties
  - ▶ Trip start and end detection
  - ▶ Authorized driving (1-Wire® iButton® ID keys up to 500 iButtons® keys) use to prevent stealing or indicate drivers
  - ▶ Immobilizer function

## FEATURES

-  Ignition detection
-  Door sensors
-  LED indication
-  Buzzer
-  Internal backup battery
-  Alarm button
-  1-Wire® Temperature sensor
-  1-Wire® iButton®
-  Relay
  -  Engine block
  -  Starter block
-  Trip detection
-  Overspeeding detection
-  Auto Geofencing
  -  Detect car towing
  -  Car theft prevention



FM3622

## SPECIFICATION

### GSM/GPRS/3G FEATURES

- ▶ UMTS/HSPA+, GSM/GPRS/EDGE module
- ▶ UMTS/HSPA+ bands:
  - ▶ 850/900/1700/1900/2100 MHZ
- ▶ HSPA+ uplink up to 5,76 Mbps, downlink up to 7,2 Mbps
- ▶ UMTS Uplink/Downlink up to 384 Kbps
- ▶ EDGE uplink up to 236.8 Kbps, downlink up to 296 Kbps
- ▶ GPRS and EDGE class 33
- ▶ SMS (text, data)

### GNSS

- ▶ 33 channel GNSS receiver
- ▶ 165 dBm sensitivity
- ▶ Hot start <1s
- ▶ Warm Start < 25s
- ▶ Cold start < 35s
- ▶ NMEA-183 protocol
- ▶ GPS, GLONASS, GALILEO, BEIDOU, SBAS, QZSS, DGPS, AGPS
- ▶ Accuracy < 3m

### INTERFACE

- ▶ 10 – 30 V input
- ▶ 3 digital inputs
- ▶ 1 universal digital/analog input
- ▶ 2 digital outputs
- ▶ 1-Wire® interface
- ▶ 2 Status LEDs:
  - ▶ Navigate
  - ▶ Status
- ▶ Internal USB Port
- ▶ LVCAN/ALLCAN interface
- ▶ Configuration and firmware upload (FOTA and via USB cable)
- ▶ External GSM antenna (SMA connector) for higher sensitivity
- ▶ External GNSS antenna (RP-SMA connector) for higher sensitivity

## ACCESSORIES

- 
▶ Main socket 2x6
- 
▶ USB to micro USB cable
- 
▶ 1Wire® temperature sensor (TTJ)
- 
▶ RFID (1Wire® interface) support
- 
▶ 1Wire® iButton® and iButton® reader
- 
▶ Analog fuel sensor
- 
▶ Door sensors
- 
▶ Relay 12V/24V
- 
▶ Alarm button
- 
▶ LED
- 
▶ Buzzer
- 
▶ ALLCAN300 Any transport CAN adapter
- 
▶ LV-CAN200 Light vehicle CAN adapter

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!