

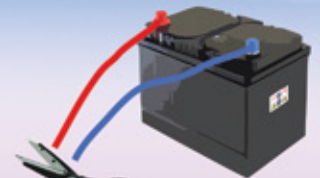
# FM3400

# TELTONIKA

## GPS



## Glonass



## Reliable automotive security tracker with jamming detection functionality

- Compact size
- Easy mounting and configuring
- High quality GNSS module
- Car security/tracking
- Online/Offline tracking
- High capacity internal memory (16MB)
- Parameterized operation (acquire & send)
- Jamming detection
- Geo-fence
- Sleep/Deep Sleep mode
- Virtual odometer
- Remote Configuration
- FOTA
- Internal backup battery

FM3400 is light terminal with GPS and GSM connectivity, which is able to get device coordinates and other data and transfer them via GSM network.

Implemented Jamming detection functionality allows user to see, then GSM signal is being jammed and device can notify driver about it.

This device is perfectly suitable for applications where location acquirement of remote objects is needed. So you can track your remote objects quickly and easily.

FM3400 can perform tasks on remote objects, such as monitoring engine status, controlling truck's door etc. In case of losing connection FM3400 can store up to 100000 records, and once the connection is established the device will send stored data via GPRS. So you won't lose your data coordinates, sensors data and etc.).





## Technical details

# FM3400

Reliable automotive security tracker  
with jamming detection functionality

### • GSM

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

### • GPS

- NMEA, GGA, GGL, GSA, GSV, RMC, WGS-84 protocol compatible
- 32 channel GPS receiver
- -162dBm sensitivity

### • Interface

- 2 digital inputs(for door opening monitoring, panic button or other digital sensors)
- Virtual (Data) inputs:
  - Driven distance (Virtual Odometer)
  - Vehicle speed monitoring
- 2 Digital Outputs
- Power supply +10V...+30V
- 3 Status LEDs
- USB Port
- Configuration and firmware upload
- External GSM antenna for higher sensitivity
- External GPS antenna for higher sensitivity

### • Features

- GPS and I/O data acquisition
- Real Time tracking
- Smart algorithm of data acquisition (time, distance and event based)
- Sending acquired data via GPRS (TCP/IP and UDP/IP protocols)
- Smart algorithm of GPRS connections (GPRS traffic saving)
- Operating in roaming networks (preferred GSM providers list)
- Events on I/O detection and sending via GPRS or SMS.
- Scheduled 24 coordinates SMS sending
- 5 geofence zones (rectangular or circle)
- Sleep mode (saving vehicle's accumulators)
- FOTA (firmware updating via GPRS)
- Accelerometer
- Small and easy to mount case
- Internal NiMH backup rechargeable battery
- Operation modes:
  - Over Speeding Detection
  - Jamming detection

### • Additional features:

- FM3400 has large internal Flash memory (16MB):
  - Up to 100350 records or data from up to 120 days using standard configuration (min. period = 10min, min. distance = 1km and all I/O elements enabled) can be stored on internal flash memory.
  - There is a possibility to disable data sending while in Roaming and to store data on internal flash memory. Stored data will be sent to server when FM3400 will register to home operator.
- FM3400 can be used without a GSM connection:
  - Additional function – Offline data logging – allows to download acquired data from FM3400 to PC via USB and later to upload it to TAVL server. This functionality helps to avoid high GPRS bills caused by expensive roaming operators and keep acquired data save until it is downloaded to PC. FM3400 can be used without a GSM connection

\*Teltonika reserves a right to modify the functionality of the solution without any prior notice.

