TELTONIKA

FM1200
GPS/GLONASS/GSM vehicle tracker

66,5mm   49,7mm

- **Waterproof housing (IP67)**

- **Large Flash memory (16MB!)** to store records up to 120 days in case of lost connection or in roaming

- **Remote logs reading** for remote issue solving with manufacturer

- **Configurable device behavior** to customize the data aquire&sending for different application and GSM costs saving

- **Precise online tracking** under time, distance and corner alteration

- **Integrated scenarios:**

  - Overspeeding to secure driver and prevent penalties

  - Authorized driving (50 iButton keys) to prevent stealing

  - Immobilizer

- **Integrated back-up battery**

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!

ISO 9001

RoHS Compliant

DNV CERTIFIED ORGANISATION

TELTONIKA

TECHNICAL DETAILS

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
- -161 dBm sensitivity

Interface
- 1 Digital Input Reserved for Ignition Status Monitoring
- 2 Digital Inputs
- 1 Analog Input (10V or 30V range)
- 2 Digital Open-collector Outputs (connecting external relays, LED, buzzers etc.)
- 1-Wire® protocol
- Power supply (+10...+30)VDC
- 2 Status LEDs
- Configuration and firmware upload (FOTA and via cable)

Features
- Hermetic enclose IP67
- Internal GSM antenna
- Internal GPS/GLONASS antenna
- GPS/GLONASS and I/O data acquisition
- Real Time tracking
- Smart data acquisition (based on time, distance, angle, ignition and events
- 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)
- Deep Sleep mode (less power consumption)
- FOTA (firmware updating via GPRS)
- Motion sensor
- Small and easy to mount case
- 3 operational modes (Home, Roaming, Unknow) based on operator
- Operation mode presets:
  - Advanced overspeeding detection
  - Driver identification (1-Wire® iButton ID key)

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Additional features

■ **FM1200 has large internal Flash memory (16MB)**

◻ The memory can save 100,350 records or up to 120 days data with the standard configuration (min. period = 10min, min. distance = 1km andall I/O elements enabled).

◻ It is possible to disable Roaming and then device will store data in its memory. Stored data will be sent to server when FM1200 will register to home operator.

■ **FM1200 can be used without a GSM connection**

◻ Additional function – Offline data logging – allows to download acquired data from FM1200 to PC via cable 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.

■ **FM1200 supports a remote logs reading**

◻ FM1200 supports remote diagnostic logs functionality using GPRS. Possible issues resolving becomes more faster. Manufacturer can read logs remotely using SMS/GPRS to diagnose the FM1200 and timely respond to the fault.