



FM1200

GPS/GSM vehicle tracker

FM1200



- **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 acquire&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!



TECHNICAL DETAILS

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, VTG protocol compatible
- 50 channel GPS 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 antenna
- GPS 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)