



## FM550 GLONASS/GPS GSM Vehicle Tracker

- ◀ **2 SIM cards** to reduce roaming costs
- ◀ **RS485 interface**
- ◀ **2 RS232 ports** (external peripheral devices support: GARMIN FMI, 2 x LLS fuel sensors, RFID protocol)
- ◀ **GLONASS/GPS module** to get coordinates faster and even more accurate
- ◀ **Integrated automotive power protection** (compatible with ISO 7637-2 standart)
- ◀ **Large Flash memory (16MB!)** to store records up to **50 days** in case of lost connection or in roaming
- ◀ **Remote logs reading** for remote issue solving with manufacturer
- ◀ **Offline data logging** to keep acquired data safe and save roaming costs

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/GPRS:

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

### GPS/GLONASS:

- NMEA-0183 protocol
- 32 channel receiver
- High sensitivity, not less than -162 dBm

### Interface:

- 4 Digital Inputs for object status monitoring
- 4 Analog Inputs ( 2AIN - 10/30V switchable; 2AIN - 30V)
- 4 Digital Open-collector Outputs (controlling external relays, LED, buzzers, etc.)
- 1-Wire® interface protocol
- CAN interface
- Power supply (+10...+30) V DC
- 2 Status LEDs
- USB interface
- 2x RS232 ports
- RS485 interface
- Configuration and firmware update (OTA and via USB cable)
- External GSM antenna (SMA)
- External GNSS antenna (SMA)
- Optional internal (or external) rechargeable battery with charge controller
- Voice interface
- Integrated automotive power protection, compatible with ISO 7637-2 standard

### Features:

- 2 SIM Compatibility
- Up to 150,000 records can be stored on flash memory
- GPS/GLONASS coordinates and I/O data acquisition
- Real Time tracking
- Smart algorithm of data acquisition (time, distance, angle, ignition 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 (configurable GSM providers list)
- Events on I/O detection and sending via GPRS or SMS
- Scheduled 24 coordinates SMS sending
- Multi geofence zones (rectangle or circle)
- Deep Sleep mode (saving vehicle's accumulator)
- FOTA (firmware updating via GPRS)
- Accelerometer
- Small and easy to mount case
- Roaming dependant operation (GPRS traffic saving in roaming zones)
- Operation mode presets
  - Overspeeding detection
  - Driver behavior monitoring (acceleration/breaking/cornering notification)
  - Driver identification (1-Wire® iButton ID key)
- GPRS commands \*
- External RS232 peripheral device support: \*
  - GARMIN FMI support
  - 2x LLS support
  - RFID protocol support

\* - available from 01.xx.xx firmware

TELTONIKA, JSC  
 Saltoniskiu str. 10C, LT08105, Vilnius, Lithuania  
 Phone: +370 5 265 73 60  
 Fax: +370 5 276 13 80  
 info@teltonika.eu  
 www.teltonika.eu