TELTONIKA

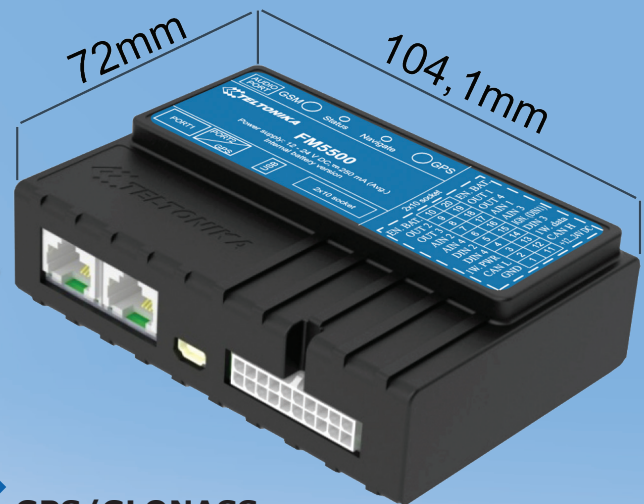## FM5500
GLONASS/GPS GSM Vehicle Tracker

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!

72mm

104,1mm

TECHNICAL DETAILS

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

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 45 000 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 peripherial device support: *
  - GARMIN FMI support
  - 2x LLS support
  - RFID protocol support

* - available from 01.xx.xx firmware

GPS/GLONASS:
- NMEA-0183 protocol
- 32 channel receiver
- High sensitivity, not less than -162 dBm