GSatTrack
FM5300

GLONASS/GPS GSM/GPRS Terminal

FM5300 is advanced terminal with GLONASS/GPS GSM/GPRS positioning and GSM connectivity, which is able to get device coordinates and other data and transfer them via GSM network. This device is perfectly suitable for real time object location and parameters monitoring. So you can track your remote objects (trucks, cars etc.) quickly and easily.

In case of no GSM coverage, the FM5300 can store more than 16,000 records, and once the GSM connection is established the device stored data will be sent. So you would not lose your data (coordinates, sensors data and etc.).

Multi Systen Positioning Engine
Car Tracking
Parametrized Operation (aquire & send)
Integrated Scenarios
    - Green Driving (Ratings Of Acceleration, Breaking, Cornering Based on Accelerometer)
    - Overspeeding
    - Authorized Driving (50 iButton Keys)
    - Immobilizer
Online Tracking
Low Energy Consumption In Deep Sleep Mode

Applications

• International Logistics
• Personal Vehicle Or Van Tracking
• Road Assistance
• Track And Trace
• Fuel Consumption Metering
  Fleet Management

Specifications

GSM Specifications

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

GPS Specifications

NMEA-0183 protocol
32 channel receiver
High sensitivity, not less than -160 dBm

Interface

4 Digital Inputs for object status monitoring
4 Analog Inputs (switchable 10 V or 30 V range, 12 bit resolution)
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
Configuation and firware update (OTA and via USB cable)
External GSM antenna
External GNSS antenna
Optional internal (or external) rechargeable battery with charge controller
Voice interface

Features

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 sving)
Operating in roaming networks (configuable 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)
OTA (firware updating via GPRS)
Accelerometer
Small and easy to mount case
Roaming dependant operation (GPRS traffic sving in roaming zones)
Acceleration detection (harsh breaking, acceleration and cornering)
Operation mode presets:
- Advanced overspeeding detection
- Driver behavior monitoring (acceleration/breaking/cornering notifications to minimize the vehicle exploitation costs)
- Driver identification (1Wire® iButton ID key)