



FM6300

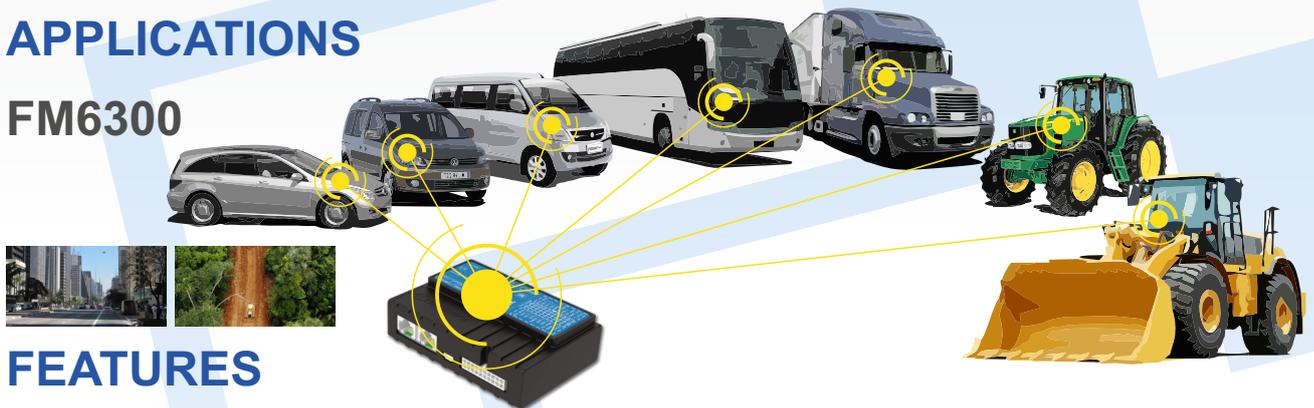
3G GPS/GLONASS real-time advanced tracking terminal with high capacity backup battery and external 3G, GNSS antennas

DESCRIPTION

FM6300 is real-time advanced tracking terminal with GPS/GLONASS and 3G/GSM connectivity with backup battery, which is able to collect device coordinates and other useful data and transfer them via 3G/GSM network. This device is perfectly suitable for applications where location acquirement of remote objects is needed: fleet management, car rental companies, taxi companies, public transport, logistics companies, personal cars and so on.

APPLICATIONS

FM6300



FEATURES

- ▶ Integrated 3G/GSM module for worldwide usage even in countries where only 3G is available. Controlled switching between 3G and GSM networks.
- ▶ Easy to mount and fasten firmly
- ▶ 2 LED indication
- ▶ Integrated Ni-MH back up battery
- ▶ Real – Time tracking
- ▶ External 3G/GSM antenna to ensure steady data stream while object is in low signal coverage areas
- ▶ External GNSS antenna for high quality tracking at all-time even when object is in complex areas – from closed/urban streets or canyons to dense forests
- ▶ Smart data acquisition based on:
 - ▶ Time
 - ▶ Distance
 - ▶ Angle
 - ▶ Speed difference (Value taken from GPS or Teltonika Vehicle CAN adapters)
 - ▶ Ignition or any other I/O event
- ▶ Saving information to Micro SD card, preventing data loss after prolonged time under no 3G/GSM coverage
- ▶ Sending acquired data via 3G or GPRS (TCP/IP and UDP/IP protocols)
- ▶ Virtual Odometer
- ▶ K-Line interface for online Tachograph Vehicle Data transfer
- ▶ Dual CAN J1939 reading enables DDD data files to be downloaded remotely
- ▶ J1708 CAN reading interface
- ▶ RS485 and 2x RS232 interfaces for advanced Fuel Level tracking or usage of external devices such as Garmin, LLS, RFID reader, etc.
- ▶ Power saving in Sleep or Deep Sleep modes
- ▶ Authorized driving with up to 500 unique iButton ID list
- ▶ Time synchronization by NTP (Network Time Protocol) if GPS/GLONASS signal is absent
- ▶ SMS sending/receiving via GPRS
- ▶ Time-zone (UTC/GMT) selection
- ▶ Dynamic SMS events
- ▶ Teltonika Vehicle Can Adapter



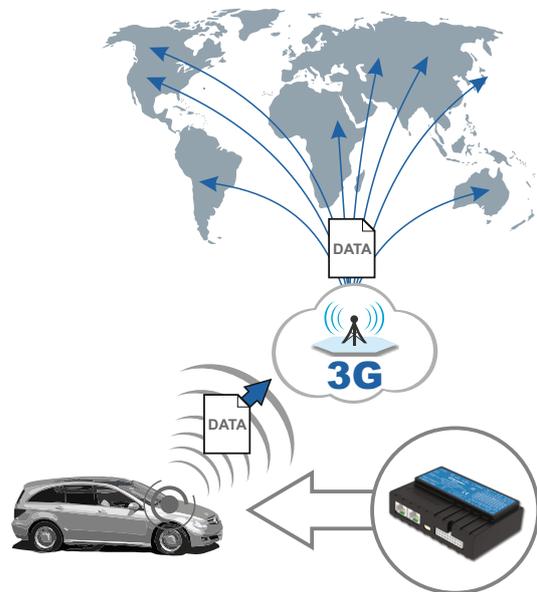
FM6300

ACCESSORIES/FEATURES



FM6300

-  Fuel monitoring with LLS sensors
-  Ignition detection
-  Up to 4x 1-wire Temp sensors
-  1-wire iButtons
-  Door sensors
-  LED indication
-  Buzzer
-  Internal backup battery
- FMS**  CAN interface
-  Remote Tachograph DDD file download
-  K – Line interface
-  RS485 and 2x RS232 for peripheral device support
-  GARMIN FMI support
-  Alarm button
-  Relay
 -  Engine block
 -  Starter block
-  Trip detection
-  Overspeeding detection
-  Auto Geofencing
 -  Detect car towing
 -  Car theft prevention
-  5x LLS support
-  RFID (RS232 and 1Wire interface) support
-  Four profiles



SPECIFICATIONS

GSM / GPRS / 3G features

- ▶ UMTS/HSPA+ bands:
 - ▶ 800/850/900/1900/2100MHz
- ▶ GSM/GPRS/EDGE bands:
 - ▶ 850/900/1800/1900MHz
- ▶ HSPA+ data up to 14.4 Mbps downlink
- ▶ HSPA+ data up to 5.76 Mbps uplink
- ▶ EDGE data downlink/uplink up to 236.8 Kbps
- ▶ UMTS data downlink/uplink up to 384 Kbps
- ▶ GPRS data downlink/uplink up to 85.6 Kbps

GPS/GLONASS

- ▶ NMEA, GGA, GGL, GSA, GSV, RMC, VTG protocol compatible
- ▶ 32 channel GPS/GLONASS receiver
- ▶ -162 dBm tracking Sensitivity

Interface

- ▶ Dual CAN J1939
- ▶ J1708 CAN
- ▶ K-Line interface
- ▶ RS485 and 2x RS232 support
- ▶ 4 Digital Inputs for object status monitoring
- ▶ 4 Digital Open-collector Outputs (controlling external relays, LED, buzzers, etc.)
- ▶ 3 Analog Inputs
- ▶ 1-wire interface
- ▶ Ni-Mh 550 mAh internal battery
- ▶ MicroSD card
- ▶ 2 status LED
- ▶ Configuration and firmware update (via FOTA and USB cable)
- ▶ External GSM antenna (SMA connector) for higher sensitivity
- ▶ External GNSS antenna (MCX connector) for higher sensitivity

ACCESSORIES



- ▶ USB to mini USB cable



- ▶ 1Wire® temperature sensor (TTJ)



- ▶ RFID (RS232 and 1Wire interface) support



- ▶ 1Wire® iButton and iButton reader



- ▶ GARMIN navigation



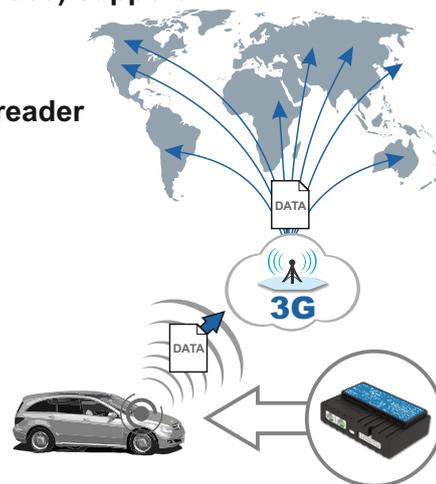
- ▶ CAN Interface



- ▶ Alarm button



- ▶ RS485 and 2x Rs232



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!