TELTONIKA

FMB125
GNSS/GSM TERMINAL
Rating: 10-30V ⎓ 250 mA r.m.s. Max
Internal Battery
GNSS

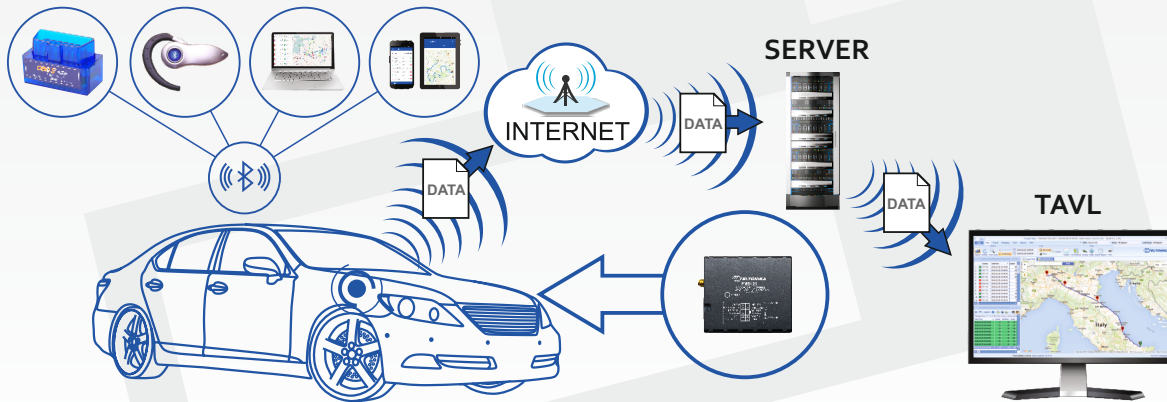|		
INPUT 6	6	12	INPUT 5
IGNITION (DIN 1)	5	11	1WIRE DATA
RS232-RX	4	10	RS485-B
RS232-TX	3	9	RS485-A
AIN 1	2	8	DOUT 1
+10...30 V DC	1	7	GND

NAVIGATE
STATUS

FMB125

FMB125

New generation of Teltonika small and professional tracker. Now equipped with innovative GNSS/GSM/Bluetooth module packed with set of new features and functions. FMB125 has external GNSS, internal high gain GSM antennas and internal battery. Device is also equiped with RS485/RS232 data interface support.

INTERNET
DATA
DATA
SERVER
DATA
TAVL

New generation GSM/GNSS module
With new integrated GSM/GNSS module, your tracking experience will be better than ever before. Even higher sensitivity, faster than ever cold start and almost instant hot start ensures that your fleet will be tracked precisely.

Dual SIM
Double GSM network reliability with Dual SIM! Even if your main SIM card fails to connect, FMB125 will stay online. Moreover, Dual SIM significantly reduces roaming costs, when using first SIM card for Home, second for Roaming data networks.

Bluetooth ®
Integrated Bluetooth® enables wireless headset and various other Bluetooth® devices connectivity. Make phone calls to your employee via Bluetooth® headset. No unauthorized calls anymore! Be sure that your employee is always safe and uses hands free headset instead of phone!

Various vehicle CAN data
With additional Teltonika Vehicle CAN adapters you will be able to acquire CAN data from any kind of transport such as light vehicles, trucks, buses, agriculture transport, and special transport. Supported vehicles list contains more than 1800 models.

ECU

RS232/RS485
RS232
RS485
RS232/RS485 functionality enables connection of third party devices like: multiple LLS sensors, GARMIN personal navigation device, RFID readers or some other RS232/RS485 devices.

DESCRIPTION

FMB125 small and professional tracker with internal high gain GSM and external GNSS antennas, which is able to collect device coordinates and other useful data and transfer them via GSM network to server. 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. FMB125 can perform tasks on remote objects, such as monitoring engine status, controlling truck's door etc.

APPLICATION

FEATURES

• With new integrated GNSS module, your tracking experience will be better than ever before. Even higher sensitivity, faster than ever cold start and almost instant hot start ensures that your fleet will be tracked precisely
• Dual SIM for extended GSM flexibility
• Bluetooth® transceiver fully compliant with Bluetooth® specification V3.0 for external peripherals
• Small and easy to mount case
• Real Time tracking
• Smart data acquisition based on time, distance, angle, speed delta, ignition and I/O events allow to have precise online tracker
• Sending acquired data via GPRS (TCP/IP and UDP/IP protocols)
• Smart algorithm of GPRS connections for GPRS traffic saving
• Operating in roaming networks by preferred GSM providers list
• Add all your unwanted GSM operators to black list
• Events from I/O elements detection and sending via GPRS or SMS
• 50 geofence zones (rectangular or circle)
• Auto Geofencing created for car towing detection and car theft prevention
• Towing detection using accelerometer
• Crash detection with buffer
• Deep Sleep mode (less than 6 mA power consumption)
• Online Deep Sleep mode for constant connection with server
• Firmware and configuration update via GPRS (FOTA)
• 3 operational modes (Home, Roaming, Unknown) based on operator
• Time synchronization by NTP (Network Time Protocol) if GNSS signal is absent
• Time synchronization by NITZ (Network Identity and Time Zone) if GNSS signal is absent
• Integrated scenarios:
    • Over speeding to secure driver and prevent penalties
    • Immobilizer function
    • Authorized driving (1-Wire® iButton® ID keys up to 50 iButton® keys) use to prevent stealing or indicate drivers
    • GSM jamming detection
    • Excessive Idling detection
    • DOUT control via call
    • Trip start and end detection
• Bluetooth® scenarios:
    • Voice calls over Bluetooth®
    • OBDII Bluetooth® dongle
    • Data link mode over Bluetooth®
• Teltonika Vehicle Can Adapters support to acquire CAN data from any kind of transport such as light vehicles, trucks, buses, agriculture transport, and special transport
• RS232 and RS485 peripherial device support:
    • GARMIN FMI support
    • Digital LLS fuel sensors support
    • RFID protocol support

FMB125

SPECIFICATIONS

GSM
- Quad-band 900/1800 MHz; 850/1900 MHz
- GPRS Multi-Slot Class 12 (up to 240 kbps)
- GPRS Mobile Station Class B
- SMS (text/data)
- Dual SIM

GNSS
- Tracking: 33/ 99 acquisition channels
- -165 dBM sensitivity
- Hot start <1s
- Warm Start < 25s
- Cold start < 35s
- NMEA-183 protocol
- GPS, GLONASS, GALILEO, BEIDOU, SBAS, QZSS, DGPS
- Accuracy < 3m

INTERFACE
- 1 Digital Inputs
- 1 Analog Input (10V or 30V range)
- 1 Digital Open-collector Output (connecting external relays, LED, buzzers etc.)
- 1-Wire® (iButton®, RFID, temperature sensors)
- Rs232
- Rs485
- MicroSD
- Built in accelerometer
- Power supply (+10...+30) V DC
- Internal high gain GSM antenna
- External GNSS antenna (SMA connector)
- Dimensions: L(65mm) x W(56,6mm) x H(18,9mm)
- 2 Status LEDs
- Micro USB Port
- Integrated LiPo back-up battery

Bluetooth®
- Bluetooth® specification V3.0 (2400 MHz – 2483.5 MHz)
- Bluetooth® transceiver fully compliant with Bluetooth® specification V3.0 for external peripherals:
  - Voice calls over Bluetooth®
  - Configuration via Bluetooth®
  - OBDII Bluetooth® dongle

DATA

GSM

DATA

TELTONIKA

FMB125

ACCESSORIES

► **Main socket 2x6**

► **USB to micro USB cable**

► **1-Wire® temperature sensor (TTJ)**

► **RFID (1-Wire® interface) support**

► **1-Wire® iButton® and iButton® reader**

► **Analog fuel sensor**

► **Door sensors**

► **Relay 12V/24V**

► **Alarm button**

► **LED**

► **Buzzer**

► **ALLCAN300 Any transport CAN adapter**

► **LV-CAN200 Light vehicle CAN adapter**

► **SIMPLE-CAN**

► **RDIF (Rs232)**

► **Digital LLS RS232 sensors**

► **Digital LLS Rs485 sensors**

► **RS232**

► **GARMIN navigation**

GSM

DATA

DATA

QUALITY SYSTEM CERTIFICATION
DNV·GL
ISO 9001

RoHS Compliant