TELTONIKA

FMB122

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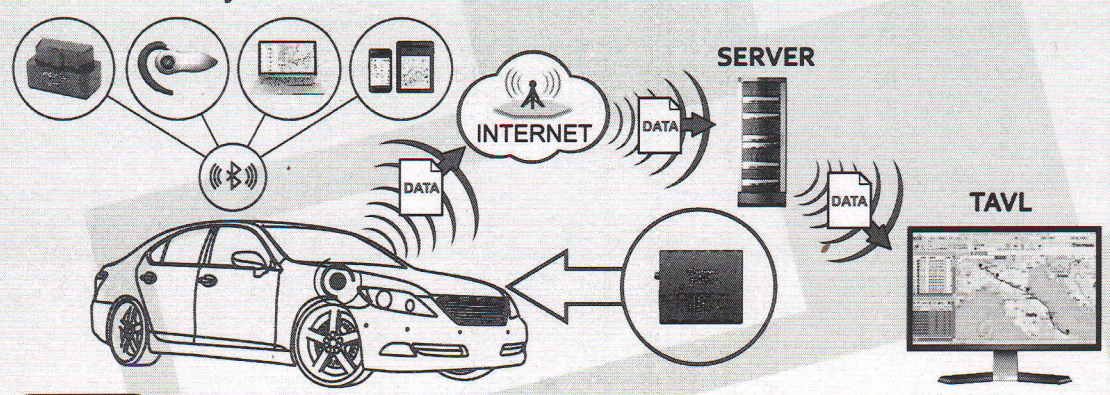
New generation of Teltonika small and professional tracker. Now equipped with innovative GNSS/GSM/Bluetooth module packed with set of new features and functions. FMB122 has external GNSS, internal high gain GSM antennas and internal battery.



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, FMB122 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.

1-Wire®
1-wire protocol support enables you to identify your drivers and connect up to 4 temperature sensors. According to iButton® or RFID ID you can prevent unauthorized access to your fleet and temperature sensors allows you to monitor your cargo.

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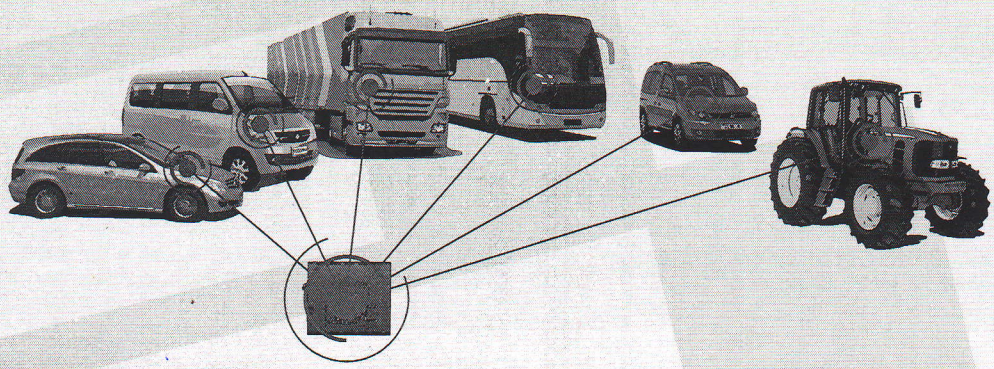
DESCRIPTION

FMB122 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. FMB122 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

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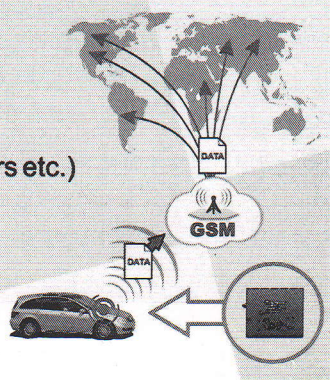
SPECIFICATIONS

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

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

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

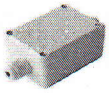
INTERFACE
- 2 Digital Inputs (1 reserved for Ignition Status Monitoring)
- 1 Analog Input (10V or 30V range)
- 1 configurable input DIN3 or AIN2
- 2 Digital Open-collector Outputs (connecting external relays, LED, buzzers etc.)
- 1-Wire® (iButton®, RFID, temperature sensors)
- MicroSD
- Motion sensor
- 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



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**

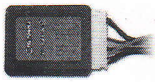

► **Door sensors**


► **Relay 12V/24V**


► **Alarm button**


► **LED**


► **Buzzer**


► **ALLCAN300**
Any transport CAN adapter


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


► **SIMPLE-CAN**

RoHS Compliant

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