TELTONIKA

FMB001

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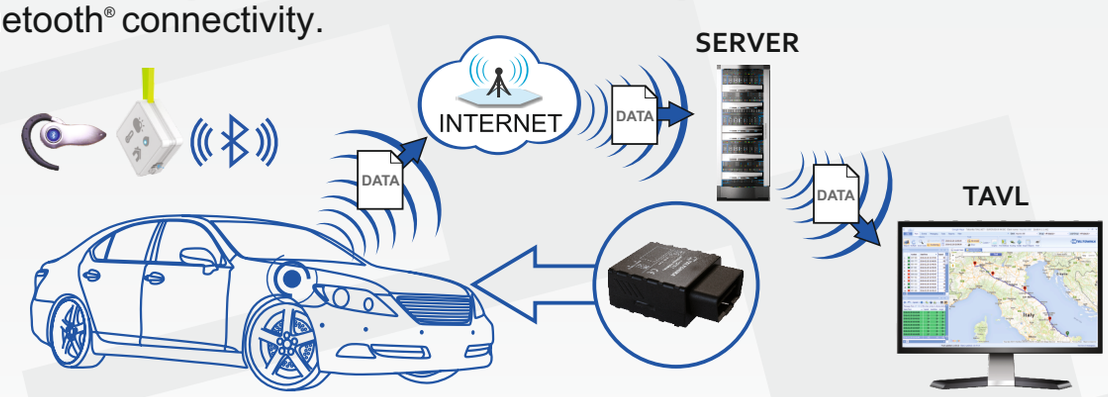
Advanced Plug and Track real-time tracking terminal with GNSS, GSM and Bluetooth® connectivity.



OBDII data reading
FMB001 connects directly to car OBDII connector and is able to read up to 32 vehicle onboard parameters.

Bluetooth®
Integrated Bluetooth® enables wireless headset and various other Bluetooth® sensors 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!

Read records and configure your tracker wirelessly via Bluetooth®.
No inconvenient configuration via SMS or searching for tracker in hard to reach places to connect USB cable. Single push and your device is connected to configurator via Bluetooth.

Micro SD card
Don't lose any records with micro SD card up to 32 GB!
FMB001 will store all data in micro SD card when driving in areas where GSM is not available.

Advanced antitheft system
Prevent your vehicle from theft with advanced antitheft functionality. Combine Auto Geofencing with new Towing detection functionality.

Smart Crash detection
Ensure safety of Your employee with smart Crash detection. Get alarm message immediately after accident, save workers life!

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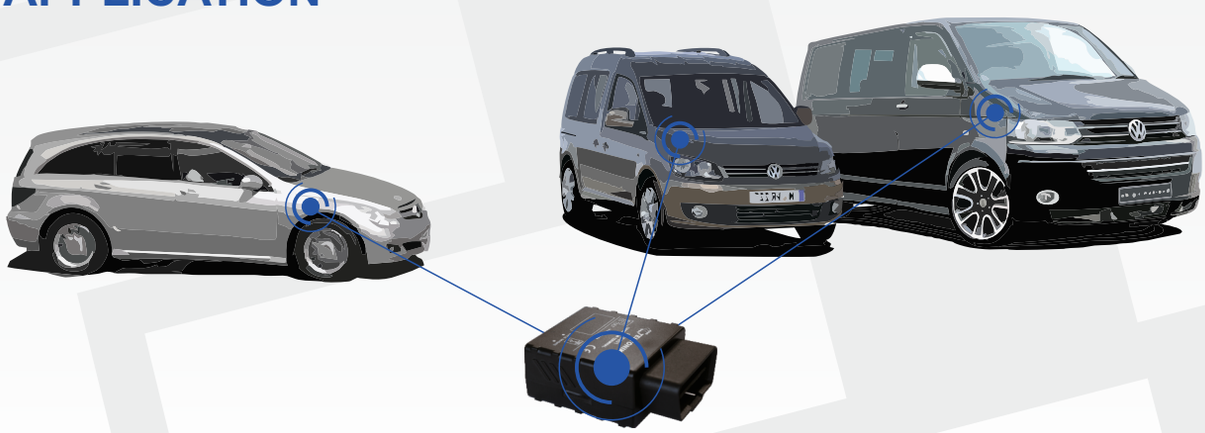
DESCRIPTION

FMB001 is an advanced plug and track realtime tracking terminal with GNSS and GSM and Bluetooth connectivity, which is able to collect device coordinates and other useful data including vehicle onboard computer data to 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, personal cars and so on. FMB001 connects directly to car OBDII connector for vehicle onboard parameters reading.

APPLICATION



FEATURES

- Plug and Track
- Small and easy to mount case – directly to car OBDII connector
- Bluetooth® transceiver fully compliant with Bluetooth® specification V3.0 for external peripherals
- Up to 32 GB micro SD memory card for up to 275 million records
- Internal GSM antenna and Internal GNSS antenna allow mount FMB001 much easier
- Real Time tracking
- Smart data acquisition - based on time, distance, angle, ignition, speed and I/O events
- 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
- Events from I/O elements detection and sending via GPRS or SMS
- Scheduled 24 coordinates SMS sending when GPRS not available
- 5 geofence zones (rectangular or circle)
    - Auto Geofencing created for car towing detection and car theft prevention
- Deep Sleep mode (less than 2 mA power consumption)
- FOTA (firmware updating via GPRS)
- 3 operational modes (Home, Roaming, Unknown) based on operator
- Integrated scenarios:
    - Over speeding to secure driver and prevent penalties
    - Trip start and end detection
    - Jamming detection
    - Excessive Idling detection
    - Towing detection using accelerometer
- Vehicle onboard parameters reading

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SPECIFICATIONS

GSM
- Quad-band 900/1800 MHz; 850/1900 MHz
- GPRS class 12 (up to 240 kbps)
- SMS (text/data)

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

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®
  - Bluetooth sensors

INTERFACE
- 1 Digital Input Reserved for Ignition Status Monitoring (depends on vehicle type)
- Accelerometer
- Power supply (+10...+16) V DC
- Integrated back-up battery
- Internal High Gain GSM antenna
- Internal High Gain GNSS antenna
- Dimensions: L(50,7mm)xW(49,6mm)xH(25mm)
- 2 Status LEDs
- Configuration and firmware upload (FOTA and via cable)

ACCESSORIES

► **Bluetooth® headset**

► **Humidity and temperature Bluetooth® sensors**

► **USB to mini USB cable**

► **FMB001 adapter for power connection not from OBDII connector**

► **FMB001 adapter for power connection from cigarette lighter**

QUALITY SYSTEM CERTIFICATION DNV·GL ISO 9001

RoHS Compliant

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