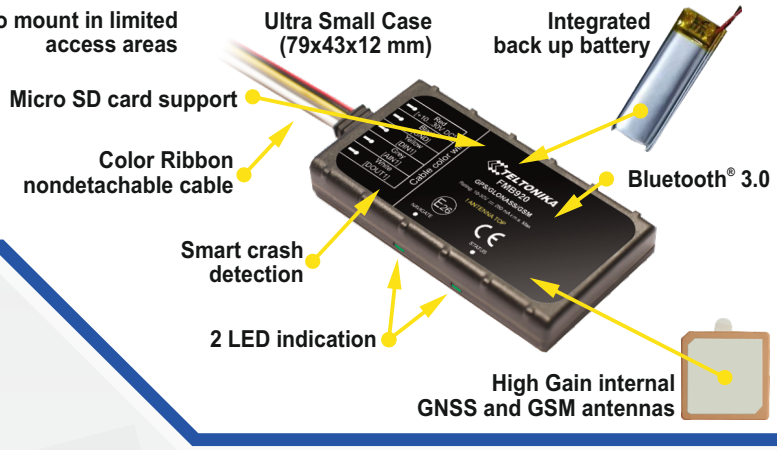
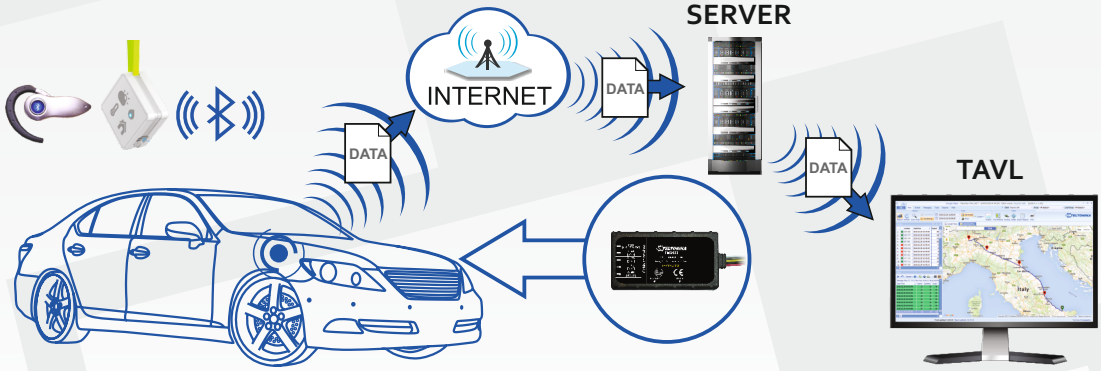
TELTONIKA



FMB920

FMB920

Compact and Smart tracker with Bluetooth® connectivity, internal High Gain GNSS and GSM antennas, integrated backup battery.



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!

Micro SD card

Don't lose any records with micro SD card up to 32 GB!
FMB920 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.

Ultra small case

Easy to install, hard to find! Prevent Your device from unauthorized disconnection using undetachable device cable and backup battery for detecting power disconnections.

Smart Crash detection

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

FMB920

DESCRIPTION

FMB920 is light real-time tracking terminal with GNSS, GSM and Bluetooth connectivity which is able to collect device coordinates and other useful data and transfer them via GSM network to server. Bluetooth peripherals can greatly expand device functionality wirelessly. This device is perfectly suitable for applications where location acquirement of remote objects is needed: security, fleet management, car rental companies, taxi companies, public transport, logistics companies, personal cars and so on.

APPLICATION



FEATURES

- 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
- Fully controllable digital output via SMS and configurator
- Ultra small and easy to mount in limited access areas case
- Fast first GPS fix
- Real Time tracking
- 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
- Auto Geofencing and Towing Detection for car theft prevention
- Deep Sleep mode (less than 2 mA power consumption)
- Firmware and configuration update via GPRS
- Smart data acquisition mode
- High Quality track even in high density populated urban areas or canyon
- Color Ribbon undetachable cable
- Easy to mount
- High Gain internal GNSS and GSM antennas
- 2 status LED
- Configuration via Bluetooth
- Crash detection
- Towing detection using accelerometer
- Smart data acquisition based on:
    - Time
    - Distance
    - Angle
    - Ignition or any other I/O events
- Configurable using Secured SMS commands and configurator on PC

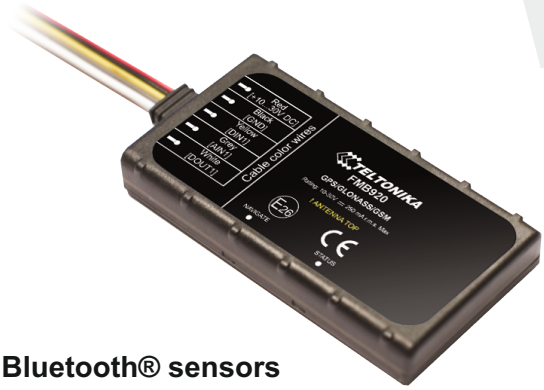
FMB920

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)

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, AGPS
- Accuracy < 3m

INTERFACE
- 1 Digital Input
- 1 Analog Input
- 1 Digital Open-collector Output (connecting external relays, LED, buzzers etc.)
- Bluetooth specification V3.0
- Built in accelerometer
- Power supply (+10...+30) V DC with overvoltage protection
- Internal High Gain GNSS antenna
- Internal High Gain GSM antenna
- Dimensions: L(79mm)xW(43mm)xH(12mm)
- 2 Status LEDs



ACCESSORIES



► **Bluetooth headset**



► **Humidity and temperature Bluetooth® sensors**



► **Analog fuel sensor**



► **Door sensors**



► **Relay 12V/24V**



► **Alarm button**



► **LED**



► **Buzzer**

QUALITY SYSTEM CERTIFICATION
DNV·GL
ISO 9001

RoHS Compliant

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Teltonika reserves a right to modify the functionality of the device without any prior notice. Document version 1.03 (2016/10/25)