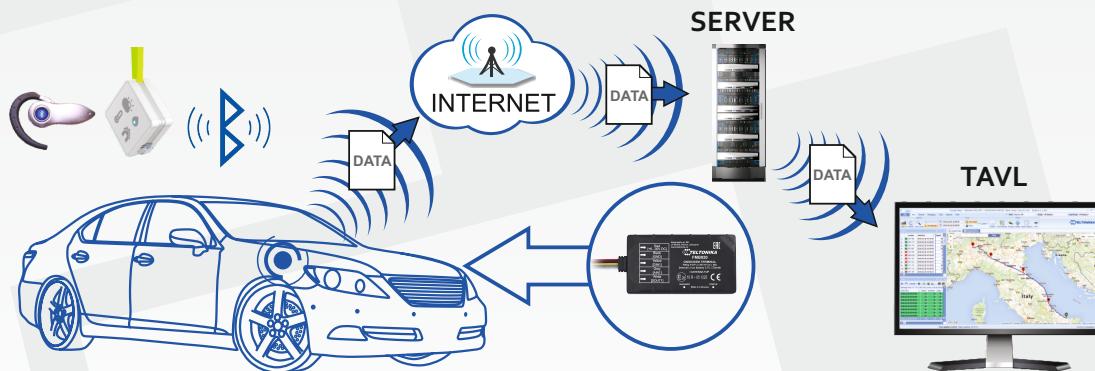


FMB920

FMB920

Compact and Smart tracker with Blue-tooth connectivity, internal High Gain GNSS and GSM antennas, integrated backup battery.



Blue-tooth

Integrated Blue-tooth enables wireless headset and various other Blue-tooth sensors connectivity.

Make phone calls to Your employee via Blue-tooth headset. No unauthorized calls anymore! Be sure that your employee is always safe and uses hands free headset instead of phone!

Internal flash memory

Don't lose any records with 128MB internal flash memory storage!

FMB920 will store all data in internal flash memory when driving in areas where GSM is not available.

128MB
INTERNAL MEMORY

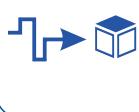


Advanced antitheft system

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!



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.

Certified IP54 case

FMB920 features new case design which ensures increased protection against dust ingress and water splash from any direction. It is certified according IP54 protection class. FMB920 with IP54 case can be installed in machines with increased possibility of dust and water ingress.

IP54



DESCRIPTION

FMB920 is light real-time tracking terminal with GNSS, GSM and Blue-tooth connectivity which is able to collect device coordinates and other useful data and transfer them via GSM network to server. Blue-tooth 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

- Blue-tooth transceiver fully compliant with Blue-tooth specification V4.0 for external peripherals
- 128 MB internal flash memory for up to 2.9 million records
- IP54 certified case
- 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
- Ultra 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 Blue-tooth
- 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



SPECIFICATIONS

FMB920

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
- Accuracy < 3m

INTERFACE

- 1 Digital Input
- 1 Analog Input
- 1 Digital Open-collector Output (connecting external relays, LED, buzzers etc.)
- Blue-tooth specification V4.0
- Built in accelerometer
- Power supply (+6...+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
- Internal back up battery

ACCESSORIES



► Blue-tooth headset



► Humidity and temperature Blue-tooth sensors



► Analog fuel sensor



► Relay 12V/24V



► LED



► Door sensors



► Alarm button



► Buzzer

