

# Template:AWSFMB130

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## Contents

- [1 Document Information](#)
  - [1.1 Glossary](#)
  - [1.2 Revision History \(Version, Date, Description of change\)](#)
- [2 Overview](#)
- [3 Hardware Description](#)
  - [3.1 DataSheet](#)
  - [3.2 Standard Kit Contents](#)
  - [3.3 User Provided Items](#)
- [4 Set up your Development Environment](#)
  - [4.1 Tools Installation \(IDEs, Toolchains, SDKs\)](#)
  - [4.2 Other software required to develop and debug applications for the device](#)
- [5 Set up your hardware](#)

## Document Information

### Glossary

- FMB130 (tracker) - GNSS tracking device manufactured by Teltonika Telematics.
- Wiki - Teltonika IoT knowledge base - <https://wiki.teltonika-iot-group.com/>.
- FOTA - Firmware Over The Air.
- Configurator - Tool to configure Teltonika Telematics devices.
- Crowd support forum - knowledge base dedicated for Troubleshooting.

### Revision History (Version, Date, Description of change)

Version	Date	Description
v1.5	2023.02.14	Links updated
v1.4	2022.12.19	Minor information update
v1.3	2022.11.29	Page created

## Overview

FMB130 is ADVANCED tracker with internal GNSS, GSM antennas, configurable digital/analogue inputs/negative input/impulse inputs, three DOUT outputs, Bluetooth connectivity and backup battery.

Teltonika keeps its promise to make IoT Easy. FMB130 device is the first device with negative input possibility. It allows you to save your precious integration time while connecting accessories like

vehicle door sensor, alarm button, seatbelt detection and similar sensors or accessories.

Additionally, we have integrated possibility to enable Impulse Input for fuel flow meter data reading. Impulse based fuel usage control is much more accurate than different kind of fuel level sensors and enables possibility to be precise if needed. It is perfect solution for high fuel usage machines like cranes, construction vehicles, mining machines, agriculture equipment.

We have added one additional Digital Output. Now it is 3 of them in total! It is not surprising that DOUT is the most popular connection type on FMB1 family devices. It` s allows you to use simultaneously 3 different DOUT scenarios like: immobilizer, buzzer, alarm lights, door lock and others.

New FMB130 is the first advanced vehicle tracking system with programmable DIN/AIN/Negative/Impulse input. First input has following choices: Digital, Analog, Negative, Impulse. Second input may be Digital or Analog.

With these new features you can have one tracking system for much wider range of use cases.

**Currently for MQTT solution evaluation firmware is required to be used - 03.27.10.Rev.520.** For firmware supporting MQTT please contact your sales manager or contact directly via Teltonika Helpdesk.

Changes in firmware versions and update information can be found in device wiki page: [FMB130 firmware errata](#)

## Hardware Description

### *DataSheet*

FMB130 device data sheet can be downloaded here: [DataSheet](#)

### *Standard Kit Contents*

STANDARD PACKAGE CONTAINS

- 10 pcs. of FMB130 trackers
- 10 pcs. of Input/output power supply cables (0.9 m)
- Packaging box with Teltonika branding

Teltonika suggest standard order codes for the device purchase, by contacting us, we can create special order code which would fulfill user needs.

More ordering information at: [Ordering](#)

### *User Provided Items*

- Power supply (10-30V).
- MicroUSB to USB A cable.

## Set up your Development Environment

## ***Tools Installation (IDEs, Toolchains, SDKs)***

FMB130 comes with our created firmware, therefore no additional development or scripting is required for this unit to support AWS IoT. Only by using Teltonika Configurator [FM Configurator versions](#), connection point of AWS IoT server is required.

## ***Other software required to develop and debug applications for the device***

For debugging situations, device internal logs can be downloaded OTA by using our [FotaWEB](#) platform or by using Teltonika Configurator.

## **Set up your hardware**

All details about FMB130 can be located in our dedicated wiki page [FMB130 Wiki](#)

- Basic device startup instructions provided in [FMB130 First Start](#).
- Device characteristics, power supply information: [FMB130 General description](#)
- FMB130 firmware change can be performed via [FotaWEB](#) (direct buyer gets access to this platform) or via device [Configurator](#)
- Device LED information: [FMB130 LED Status](#)
- USB driver download, datasheet and quick start guide downloads: [FMB130 Downloads](#)