

Template:AWSFMC125



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Document Information

Glossary

- FMC125 (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

FMC125 is a small ADVANCED series device with 4G (LTE Cat 1) network coverage with 2G (GSM) fallback compatibility. Device equipped with GNSS/Bluetooth and LTE modules, internal GNSS and LTE antennas.

FMC125 developed on the existing Teltonika FMB platform, therefore it keeps all of the functionalities from FMB125 and builds on top of them with its industry-leading connectivity

coverage.

Device is designed for communication with various third party RS232 or RS485 devices, like digital fuel sensors (LLS), Garmin navigation device, RFID reader and much more. It is also excellent for refrigerated transport, because it has extended input/output set and 1-wire interface for temperature monitoring.

The Dual-SIM feature provides a backup communication channel where the coverage of a singular operator is not sufficient. As well Dual-SIM feature will let you significantly reduce roaming costs.

It's just a small part of existing functionality but it allows to make FMC125 even better.

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: [FMC125 firmware errata](#)

Hardware Description

DataSheet

FMC125 device data sheet can be downloaded here: [DataSheet](#)

Standard Kit Contents

STANDARD PACKAGE CONTAINS

- 10 pcs. of FMC125 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)

FMC125 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 FMC125 can be located in our dedicated wiki page [FMC125 Wiki](#)

- Basic device startup instructions provided in [FMC125 First Start](#).
- Device characteristics, power supply information: [FMC125 General description](#)
- FMC125 firmware change can be performed via [FotaWEB](#) (direct buyer gets access to this platform) or via device [Configurator](#)
- Device LED information: [FMC125 LED Status](#)
- USB driver download, datasheet and quick start guide downloads: [FMC125 Downloads](#)