



FAMILY CAR TRACKING AND MONITORING WITH OBD GPS DEVICES

INTRO

The global market for private and family cars is not only huge, it is growing year on year. So is the demand for responsible driving, safety, behaviour awareness, fuel efficiency, timely maintenance, and auto theft risk reduction using the latest technologies. To meet the needs of the B2C market, we at Teltonika Telematics have developed a practical vehicle GPS tracking, monitoring and messaging solution.

CHALLENGE

There is an impressive variety of vehicle telematics products and solutions to support all types of corporate fleets - route optimisation, driver behaviour monitoring, vehicle maintenance scheduling, anti-theft, speed limitation, fuel economy, green solutions, etc. You name it, you can get it.

But what about private passenger cars, SUVs, family vehicles, and camper vans then? According to Statista, only in the year 2021 alone, some 57 million passenger cars were produced worldwide. The B2C automotive market is huge and growing, with its own challenges and requirements, which also presents a great opportunity for profitable IoT-related projects.

No doubt, like any fleet manager or business owner, private drivers and families are interested in tracking and monitoring the status and location of their vehicles, want to keep them in good condition, keep family members and cars as safe as possible, improve awareness and accountability, avoid road accidents, minimise running costs, insurance premiums and so on.

Car security also remains a major concern. There are plenty of conventional car alarms to suit all budgets and tastes available on the internet or in specialist shops, but there are a couple of problems - professional car thieves

know how to disable them, and conventional security systems rely on other people who can hear the alarm to look after the car in danger. Unfortunately, this works about as well as you might expect.

To address these challenges, meet the B2C market demand for vehicle telematics expertise and assist private vehicle owners, Teltonika Telematics introduces a practical, modern solution using the [OBD GPS trackers](#).



**REST ASSURED A CAR IS
DRIVEN PROPERLY AND SAFELY**

SOLUTION

On-board Diagnostic vehicle GPS devices are accurate, affordable, small and lightweight, have a sufficient set of tracking parameters and features, and take literally moments to install. Nothing complicated, no mess or confusion and no extra fees, making them the right choice for customers in the B2C market segment.

For this use case, we chose the brand new, compact Teltonika [FMC003](#) tracker with the latest generation of electronic components. It is a Plug & Play vehicle GPS device dedicated to OBD applications and allows to read [OEM](#) parameters including Real Odometer and Real Fuel Level data.

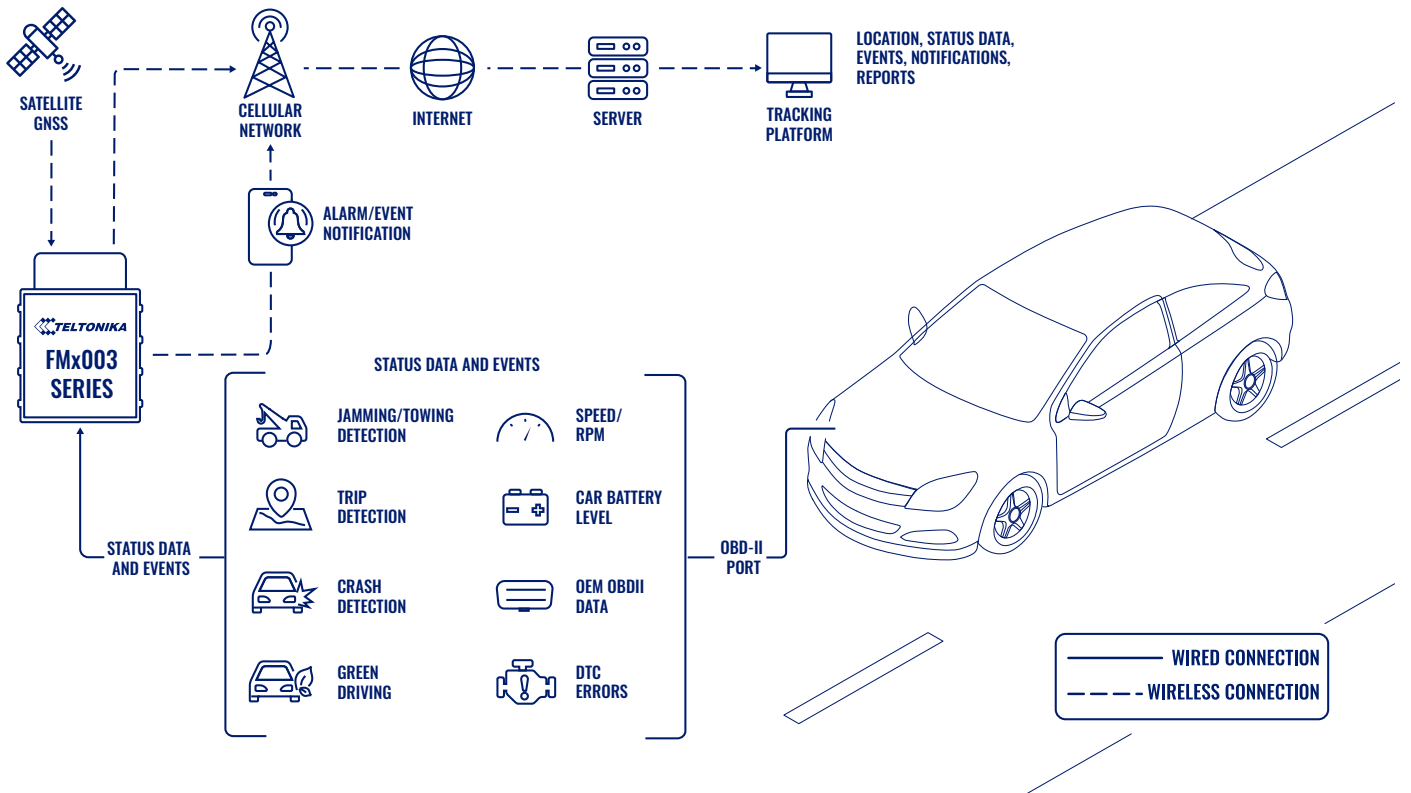
How it works - the FMC003 model tracks vehicle location via [GNSS](#), multiple vehicle parameters of interest and their status in real-time. The device sends the gathered data, combined with its GNSS location details, via a GSM network to a server for analysis. Using the dedicated software or mobile app, or both, data can be monitored on a PC, laptop, tablet or smartphone.

If something out of the ordinary happens to a vehicle, a driver (car owner or other responsible person) receives an immediate notification. This makes it possible to take appropriate action in good time - for example, looking through the window to check on the car, intervening immediately if necessary, calling a family member, the police or relevant authorities, the insurance company, the auto repair shop or garage, etc.

As a result, a vehicle owner can effortlessly track, receive relevant and immediate status notifications and monitor the vehicle around the clock, anywhere in the world. For example, its current location, trip details and history, alarm driving detection (sporty or racing driving, inattentive behaviour, excessive speeding), low or abnormally fast battery drain, fuel consumption data, engine started, vehicle moved outside the locked area, tracker jamming, suspicious vibration and towing detection, diagnostic trouble codes, etc.

The results are impressive - greatly improved awareness of the vehicle and the whereabouts of the family member driving it (teenage driver or pregnant wife), vehicle safety, health status due to timely maintenance, comprehensive reports, lower insurance premiums, reduced overall costs and, to put it mildly, less cause for worry. Not to mention a good night's sleep.

TOPOLOGY



BENEFITS

- **Seamless integration** - Teltonika OBD trackers offer Plug & Play functionality, allowing effortless installation without the need for specialist knowledge - a real game changer for individual users.
- **Advanced route tracking and auditing** - allows you to view a history of the route, distance, date, time and destinations a vehicle has taken in the past. No more guesswork or arguments, just facts.
- **Troubling driving detections, accountability, and awareness** - rest assured that a vehicle's driving behaviour is always being monitored and that it is being driven properly and safely, preventing accidents, fines, injuries, overheads and exorbitant insurance premiums.
- **Vehicle security alerts 24/7 anytime, anywhere** - a much smarter, more advanced system than an old-fashioned car alarm. Best of all, it alerts the people who care most about the vehicle - the driver and/or owner.
- **Vehicle maintenance and health tracking to prevent breakdowns** - the GPS tracker constantly monitors a vehicle's electrical system, the OBD and OEM data, engine and sends instant vehicle status alerts. No more unwanted and costly surprises.
- **Do it your way** - alerts and notifications can be sent and data monitored via PC, laptop, tablet, smartphone or all of the above. Your car, your way.
- **Future-proof design** - as vehicle technology evolves, Teltonika OBD trackers are designed to integrate seamlessly, ensuring they remain a relevant choice for years to come.

WHY TELTONIKA?

Not only do we offer some pretty special and compact 3rd generation OBD GPS trackers with the latest generation of electronic components, but we also offer a remarkable up-to-date vehicle security solution that ensures automated tracking, monitoring, messaging and efficient management options to protect motoring assets and meet the most demanding needs that currently exist in a global market. It is an excellent choice for a wide range of use cases in the B2C market segment and beyond.

Teltonika Telematics is the place to go for everything you need to succeed - an impressive range of certified GPS trackers, accessories and solutions for every conceivable vehicle telematics application. Our over 25 years of expertise and innovative approach, extensive global market knowledge, superior product quality, state-of-the-art production facilities with automated robotic assembly lines and customer support that meet your expectations give us a competitive edge and make Teltonika Telematics a business partner of choice.

FEATURED PRODUCT

FMC003

RELATED PRODUCTS

FMB003, FMM003, FMM00A, FMC00A

