



FTC887

Next-generation 4G LTE Cat 1 battery-mounted vehicle GPS tracker with dead reckoning, enhanced GNSS accuracy, and IP69K resistance



Insurance
telematics



Basic track &
trace



Car Sharing,
Rental &
Leasing

FT PLATFORM

Fleet Telematics (FT) platform offers advanced firmware and hardware, taking your tracking experience to the next level

DEAD RECKONING

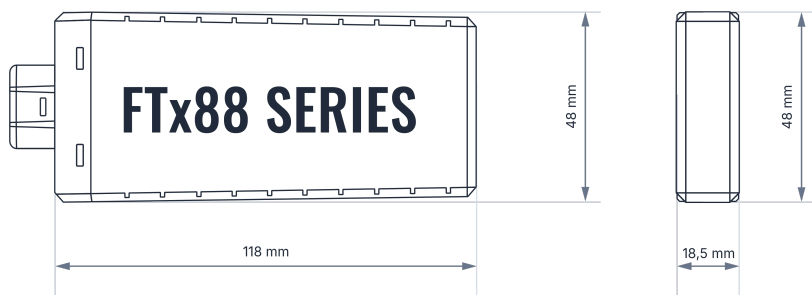
The track stays when GPS does not – even in tunnels, urban canyons, remote areas, and underground parking lots

HIGHER GNSS ACCURACY

More precise GNSS with up to 41 visible satellites, enabling considerably higher tracking quality for location-based services

IP69K WATERPROOF CASING

The ultimate protection against dust, high pressure water, and steam



Product

Model name **FTC887-QJAB0**

Module

Name **FTC887-QJAB0**: Quectel EG915U-EU with AG3335

Technology LTE CAT 1/GSM/GPRS/GNSS/BLUETOOTH® LE

GNSS

GNSS GPS, GLONASS, GALILEO, BEIDOU

Receiver L1: 75 channel

Tracking sensitivity -165 dBm

Position Accuracy < 1.8m CEP

Velocity Accuracy < 0.1 m/s (within +/- 15% error)

Hot start < 1 s

Warm start < 25 s

Cold start < 35 s

Cellular

Technology LTE CAT 1/GSM

2G bands **FTC887-QJAB0**:
GSM: B2/B3/B5/B8

4G LTE bands **FTC887-QJAB0**:
LTE FDD (CAT 1): B1/B3/B5/B7/B8/B20/B28

Data transfer LTE FDD (CAT 1): Max. 10 Mbps (DL) / Max. 5 Mbps (UL)
GSM (GPRS): Max. 85.6 Kbps (DL) / Max. 85.6 Kbps (UL)

Transmit power Class 5 for GSM850/900: 30±5dBm
Class 3 for GSM1800/1900: 29±5dBm
Class 3 for LTE-FDD: 26±5dBm

Data support SMS (TEXT, PDU), Network protocols (TCP, UDP)

Data codec

Codec support Codec 8 Extended

Power

| | |
|--------------------------|---|
| Input voltage range | 10-30 V DC |
| Internal Back-up battery | 320 mAh Li-Ion battery 3.7V (1.18 Wh) |
| Internal fuse | 3 A, 125V |
| Power consumption | At 12V < 32.978mA Normal mode At 12V < 10.019mA Online Deep Sleep mode At 12V < 8.765mA Deep Sleep mode At 12V < 3.943mA Power off Sleep |

Bluetooth® Technology

| | |
|---------------|-----------|
| Specification | 5.3 + LE* |
|---------------|-----------|

Physical specification

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|------------|--------------------------------|
| Dimensions | 118 x 48 x 18.5 mm (L x W x H) |
| Weight | 118 g |

Operating environment

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|---|--|
| Operating temperature (without battery) | -30 °C to +85 °C |
| Storage temperature (without battery) | -30 °C to +85 °C |
| Operating temperature (with battery) | 0 °C to +45 °C |
| Storage temperature (with battery) | -20 °C to +45 °C for 1 month -20 °C to +35 °C for 6 months |
| Operating humidity | 5% to 95% non-condensing |
| Ingress Protection Rating | IP69K |
| Battery charge temperature | 0 °C to +45 °C |
| Battery discharge temperature | -20 °C to +60 °C |
| Battery storage conditions | -10 °C to +50 °C for 1 month -10 °C to +35 °C for 3 months 0 °C to +30 °C for 1 year |

Interface

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|------------------|-----------------------------|
| Connection | U-Type cable |
| GNSS antenna | Internal High Gain |
| Cellular antenna | Internal High Gain |
| USB | 2.0 USB Type-C |
| LED indication | 2 status LED lights |
| SIM | Nano-SIM |
| Memory | 128MB internal flash memory |

Features

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|-----------------------------------|--|
| Sensors | Accelerometer and Gyroscope |
| Scenarios | Eco Driving, Over Speeding Detection, Excessive Idling Detection, Crash Detection, Trip, Odometer, Private/Business Mode, Unplug Detection, Network Jamming Detection, Towing Detection, Auto Geofence, Manual Geofence, Fall Down Detection, Custom Scenarios, Static Navigation, Ignition On Counter |
| Sleep modes | Deep Sleep, Online Sleep, Power Off Sleep |
| Configuration and firmware update | FOTA WEB, Teltonika Configuration Tool (TCT) |
| SMS | Configuration, Debug |
| GPRS commands | Configuration, Debug |
| Time Synchronization | GNSS, NITZ, NTP |
| Ignition detection | Accelerometer, External Power Voltage |

Certification & approvals

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| Regulatory | CE/RED, UKCA, E-Mark, RoHS, REACH, RCM |
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