



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

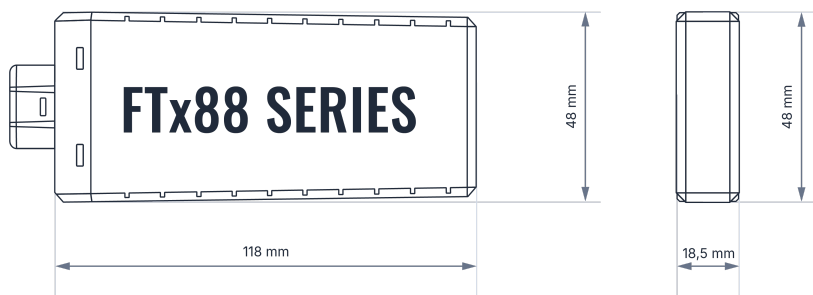
The track stays when GPS does not – even in tunnels, urban canyons, remote areas, and underground parking lots

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/BLE/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*
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Physical specification

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

Operating environment

Operating temperature (without battery)	-40 °C to +85 °C
Storage temperature (without battery)	-40 °C to +85 °C
Operating temperature (with battery)	0 °C to +40 °C
Storage temperature (with battery)	-20 °C to +60 °C
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

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

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

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