



# FTC920

Next-generation 4G LTE Cat 1 vehicle GPS tracker with enhanced GNSS accuracy



Fleet telematics



Assets & workforce



Car sharing, rental & leasing

## FT PLATFORM

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

## HIGHER GNSS ACCURACY

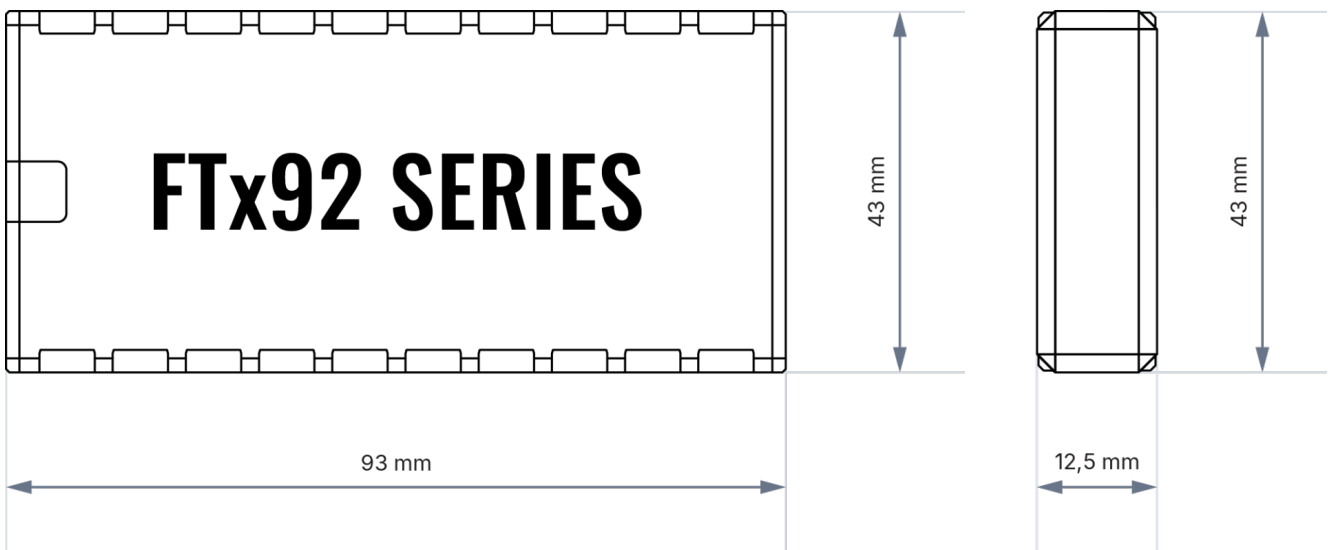
More precise GNSS with up to 41 visible satellites, enabling considerably higher tracking quality for location-based services

## LONGER PERFORMANCE, SLOWER DRAINAGE

Optimised sleep modes allow the device to operate on its own for an extended period of time and significantly reduce vehicle battery drainage

## EXTENSIVE REMOTE MONITORING POSSIBILITIES

Blocking engine remotely among the numerous available fleet control measures



### Product

Model name **FTC920-QJAB0**

### Module

Name **FTC920-QJAB0: EG915U-EU with AG3335**

Technology **LTE CAT 1/GSM/GPRS/GNSS**

### GNSS

GNSS **GPS, GLONASS, GALILEO, BEIDOU**

Receive type **135 tracking/acquisition channels**

Tracking sensitivity **-165 dBm**

Position Accuracy **< 1.8 m CEP**

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

Hot start **< 1 s**

Warm start **< 25 s**

**Cellular**

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Technology	LTE CAT 1/GSM
2G bands	<b>FTC920-QJAB0</b> : GSM: B2/B3/B5/B8
4G LTE bands	<b>FTC920-QJAB0</b> : LTE FDD: 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 4 for GSM850/900: 33±2 dB Class 1 for GSM1800/1900: 30±2 dB Class 3 for LTE-FDD: 23±2 dB
Data support	SMS (TEXT, PDU), Network protocols (TCP, UDP, TLS, EGTS, MQTT)

**Data codec**

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Codec support	Codec 8 Extended
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**Power**

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Input voltage range	10-30 V DC
Internal Back-up battery	170 mAh Li-Ion battery, 3.7 V (0.63 Wh)
Internal fuse	3A, 125V
Power consumption	At 12V < 25 mA (nominal with no load) At 12V < 0.25A Max (with full Load/Peak)

**Physical specification**

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Dimensions	93 x 43 x 12.5 mm (L x W x H)
Weight	65 g

**Operating environment**

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Operating temperature	-40 °C to +85 °C
Storage temperature	-40 °C to +85 °C
Operating humidity	5% to 95% non-condensing
Battery charge temperature	0 °C to +45 °C
Battery discharge temperature	-20 °C to +60 °C
Battery storage conditions	0 °C to 25 °C for up-to 3 months ≤ 25 °C for long-term storage

**Interface**

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Digital Inputs	1
Digital Outputs	1
Analog Inputs	1
GNSS antenna	Internal High Gain
Cellular antenna	Internal High Gain
USB	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
Scenarios	Crash Detection, Over Speeding, Trip, Odometer, Eco Driving, Excessive idling, Network Jamming Detection, Unplug Detection, Auto Geofence, Towing Detection, Static Navigation, Custom Scenarios
Configuration and firmware update	FOTA WEB, Teltonika Configuration Tool (TCT)
SMS	Configuration, DOUT control, Debug
GPRS commands	Configuration, DOUT control, Debug
Time Synchronization	GNSS, NITZ, NTP
Ignition detection	Digital Input 1, Accelerometer, External Power Voltage

**Certification & approvals**

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Regulatory	CE/RED, E-Mark, RCM, RoHS, REACH, Pulse 5b (in progress)
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