



FTC924

Next-generation 4G LTE Cat 1 vehicle GPS tracker with enhanced GNSS accuracy and Bluetooth® connectivity



Insurance
telematics



Cold chain
monitoring



Driver
behaviour
monitoring



Anti-theft
solution & SVR

FT PLATFORM

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

HIGHER GNSS ACCURACY

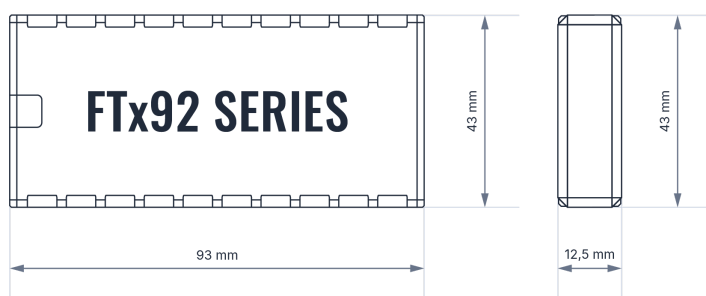
More precise GNSS with up to 41 visible satellites, enabling considerably higher tracking quality for location-based services

EXTENDED PRODUCT USAGE SCENARIOS

Bluetooth® 5.4 LE-based wireless connection of external devices, including Low Energy beacons and sensors, to monitor temperature, humidity, magnet detection, and movement

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



Product

Model name **FTC924-QJAB0**

Module

Name **FTC924-QJAB0: Quectel EG915U-EU with AG3335**

Technology LTE CAT 1/GSM/GPRS/GNSS

GNSS

GNSS GPS, GLONASS, GALILEO, BEIDOU

Receiver L1: 75 channel

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

Technology LTE CAT 1/GSM

2G bands **FTC924-QJAB0: GSM: B2/B3/B5/B8**
FTC924-QKAB0: GSM: B2/B3/B5/B8

4G LTE bands **FTC924-QJAB0: LTE FDD (EG915U-EU): B1/B3/B5/B7/B8/B20/B28**
FTC924-QKAB0: LTE FDD (EG915U-LA): B2/B3/B4/B5/B7/B8/B28/B66

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 dBm ±2dB
Class 1 for GSM1800/1900: 30 dBm ±2dB
Class 3 for LTE-FDD: 23 ±2dB

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

Data codec

Codec support Codec 8 Extended

Power

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

Bluetooth® Technology

Specification	5.4 + LE
Supported peripherals	EYE Beacon and sensor

Physical specification

Dimensions	93 x 43 x 12.5 mm (L x W x H)
Weight	65 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 +45 °C
Storage temperature (with battery)	-20 °C to 25 °C for up-to 3 months ≤25°C for long-term storage
Operating humidity	5% to 95% non-condensing
Battery charge temperature	0 °C to +45 °C
Battery storage temperature	-20 °C to +35 °C for 6 months

Interface

Digital Inputs	2
Digital Outputs	1
Analog Inputs	1
Digital ground sense	(Digital Input 2)
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

Sensors	Accelerometer
Scenarios	Over Speeding Detection, Network Jamming Detection, Unplug Detection, Trip
Sleep modes	Online sleep, Deep sleep, Power off sleep
Configuration and firmware update	FOTA WEB, Teltonika Configuration Tool (TCT)
Time Synchronization	GNSS, NITZ, NTP
Ignition detection	Digital Input 1, Accelerometer, External Power Voltage

Certification & approvals

Regulatory	TBA
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