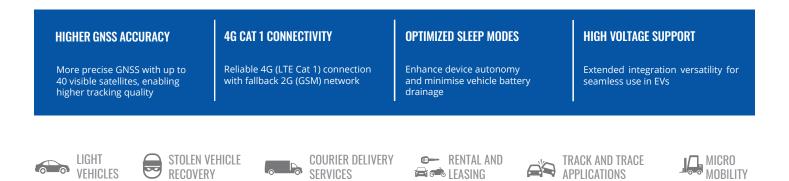
## FTC921



4G LTE CAT 1 GPS TRACKER WITH ENHANCED GNSS ACCURACY





The Fleet Telematics (FT) platform includes both new firmware development standards and a new hardware, providing enhanced tracking accuracy with high GNSS precision, taking the tracking experience to the next level with up to 40 visible satellites, enabling considerably higher tracking quality for location-based services.

The optimised sleep modes allow the device to operate on its own for an extended period of time and significantly reduce vehicle battery drainage, while high power supply making FTC921 a perfect solution for monitoring and tracking various types of vehicles, including e-motorcycles, e-mopeds, e-rickshaws, and other electric vehicles.

FTC921 belongs to the BASIC products family, keeps its compatibility, reliability and endurance. All the interfaces it has are more than enough for basic tracking. Digital Input can be used for ignition, door or alarm button status monitoring, while vehicle remote immobilizing may be achieved by using the Digital Output of the device. At the same time, Analog Input extends device usage scenarios with temperature, humidity, liquid level monitoring and many more.

All of that brings unquestionable value to numerous market segments and societies, countries' budgets and the global economy overall. It can be perfectly adapted to any fleet and any transportation and any location from now!





Product	
Model name	FTC921-QJAB0
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)
Cellular	
2G bands	GSM: B2/B3/B5/B8
4G bands	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)
Data Codec	
Codec support	Codec 8 Extended
Power	
Input voltage range	10 - 90 V
Back-up battery	170 mAh Li-Ion battery 3.7 V (0.63 Wh)
Internal fuse	3 A
Power consumption	ТВА
Temporary values	At 12V < 25 mA (nominal with no load)
	At 12V < 0.25A Max (with full Load/Peak)
Physical specification	
Dimensions	93x43x12.5 mm (L x W x H)
Weight	65 g



## **Operating environment**

1 0	
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	65 ± 20% non-condensing
Ingress Protection Rating	IP41
Battery charge temperature	0 °C to +45 °C
Battery discharge temperature	-20 °C to +60 °C
Battery storage conditions	65 ± 20%RH -20 °C to +25 °C for 3 or more months
Interface	
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

Sensors	Accelerometer
Scenarios	Over Speeding detection, Jamming detection, Unplug detection, Trip
Configuration and firmware update	FOTA Web, Teltonika Configurator (TCT)
SMS	Configuration, Events, Debug
GPRS commands	Configuration, Debug
Time Synchronization	GNSS, NITZ, NTP
Ignition detection	Digital Input 1, Accelerometer, External Power Voltage

## Certification & Approvals\*

Regulatory

FTC921-QJAB0: CE/RED, E-Mark, RCM\*, RoHS, REACH, Pulse 5b

\*Planned, not started.