



Product

Model name FTC921-QJAB0

GNSS

GNSS GPS, GLONASS, GALILEO, BEIDOU

GNSS 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 LTE FDD (CAT 1): B1/B3/B5/B7/B8/

4G bands B20/B28 LTE FDD (CAT 1): Max. 10 Mbps (DL) / Max. 5

Data transfer 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 TBA

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

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	Green Driving, Over Speeding detection, Jamming detection, Excessive idling detection, Unplug detection, Crash Detection, Auto Geofence, Trip
Sleep modes	Deep Sleep, Online Sleep, Power Off Sleep
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

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