

TAT240

4G LTE ASSET TRACKER WITH TAMPER
DETECTION

Product page



4G LTE   IP68



TAMPER DETECTION

Uses reliable magnetic
technology to detect tampering

EASY MAGNETIC MOUNTING

TAT240 can be simply attached
to any metal surface

PERIODIC, MOVEMENT-BASED REPORTS AND WEEKLY SCHEDULER

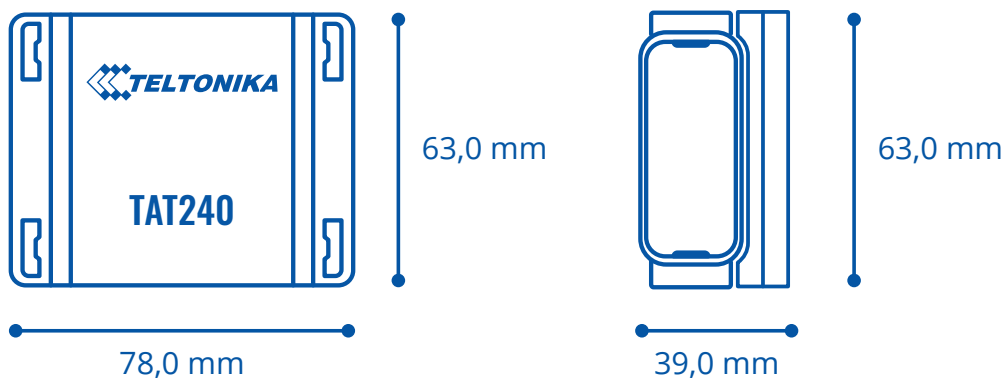
Customisable to project needs

INGRESS PROTECTION

Waterproof and dust resistant
for outdoor integrations (IP68)



TAT240 is a tamper-proof, 4G LTE (CAT1), 3G/2G fallback, GNSS, Bluetooth® LE device for asset tracking and maximum protection against thefts of containers, and trailers, as well as it could be used in a wide range of applications from valuable goods to tools tracking. The tamper detection feature of TAT240 ensures significantly improved protection of the assets.



Product

Model name TAT240-QJIB0

Module

Name Quectel EG915U-EU with Teltonika TM2500

Technology LTE(CaT1)/2G(GSM/GPRS)/GNSS/BLUETOOTH® LE

GNSS*

GNSS L1: GPS, GLONASS, GALILEO, BEIDOU, SBAS*, QZSS*, DGPS*, AGPS*

Receiver 33 tracking channel
99 acquisition channel

Tracking sensitivity -165 dBm

Position accuracy < 2.5 m CEP

*Optional modes available with custom firmware applications, for more information contact your sales manager.

Cellular

2G bands GSM: B2/B3/B5/B8

4G bands 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±2dBm
Class 1 for GSM1800/1900: 30±2dBm
Class 3 for LTE-FDD: 23±2dBm

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

Power

Battery 2200mAh, 2S, extremely low self-discharge Li-SOCI2 batteries 7.2V, Non-rechargeable

** Optional protocols available with custom firmware applications, for more information contact your sales manager.

BLUETOOTH® technology

Specification 4.0 + LE

Supported peripherals EYE Sensors, EYE Beacons (recovery mode only), Universal Bluetooth® LE sensors support

Physical specification

Dimensions	78 x 63 x 28 mm (L x W x H)
Weight	115g. (with 2 cells battery)

Operating environment

Operating temperature (with battery)	-35 °C to +75 °C
Storage temperature (with battery)	-40 °C to +85 °C (Recommended max. 30°C)
Operating humidity	5% to 95% non-condensing
Ingress Protection Rating	IP68
Battery discharge temperature	-60 °C to +85 °C
Battery storage temperature	Recommended max. 30°C

Interface

GNSS antenna	Internal High Gain
Cellular antenna	Internal GSM High Gain
USB	2.0 Micro-USB
LED indication	1 LED
SIM	Micro-SIM
Memory	128MB internal flash memory

Features

Sensors	Accelerometer
Scenarios	Enhanced tamper detection, accelerometer wake up, GNSS,Bluetooth® LE sensors support, Recovery mode, Periodic tracking on stop / on move, Scheduler with time zones, Backup tracking, Static navigation, Lost Bluetooth® LE sensors
Sleep Modes	Single custom sleep mode
Configuration and firmware update	FOTA Web, Teltonika Configurator (USB)
SMS	Configuration, Events, Debug
GPRS commands	Configuration, Debug
Time Synchronization	GNSS, NITZ, NTP

Certification & Approvals*

Regulatory	CE/RED, E-Mark, RCM, UKCA
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Magnetic holder specifications

Dimensions	77,5 x 61,5 x 27,5 mm
Material	PC + ABS
Operating temperature	-40 °C to +80 °C
Flame Classifications UL94	V-0
Magnets	4 x Neodymium magnets, 20x7mm, strength: min. 11kg, nickel-plated, max. operating temp. +80°C

* Pending