TAT141

4G LTE Cat M1 asset tracker

ROBUST

Robust, small and easy to install

INGRESS PROTECTION

Waterproof and dust resistant for outdoor integrations (IP68)

PERIODIC REPORTS AND WEEKLY SCHEDULER

Track on stop & in motion

OTA UPDATES

Convenient OTA (over-the-air) updating through user-friendly applications

Valuable assets

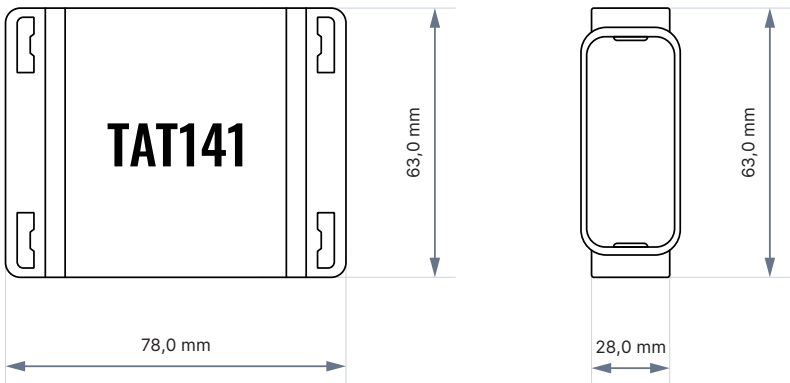**Trailer tracking**

Construction equipment

Vehicle double security

Tool tracking

Reliable tracking of construction equipment, tools, furniture and other non-powered assets can now be achieved with the newest Teltonika Telematics asset tracking solution. With the implementation of LTE you will be able to monitor your valuables almost everywhere in the world, since the technology boasts an extended network coverage and offers improved data transmission. The unit is perfect for assets that are on the move, as the device can operate in deep sleep mode and send reports or alarms in accordance with the pre-programmed configuration. waterproof case and convenient mounting contribute to the crucial features ensuring smooth monitoring of your assets and even vehicles.

Product

Model name	TAT141-Q3IB0

Module

Name	Quectel BG95-M3 with Teltonika TM2500
Technology	LTE CAT M1/NB-IoT/GSM

GNSS*

GNSS	L1: GPS, GLONASS, GALILEO, BEIDOU, SBAS*, QZSS*, DGPS*, AGPS*
Receiver	33 channel
Tracking sensitivity	-165 dBM
Position Accuracy	< 2.5 m CEP

*Optional models availaable with custom firmware applications, for more information contacts your sales manager.

Cellular

2G bands	GSM: B2/B3/B5/B8
4G LTE Cat 1 bands	LTE-FDD (CAT M1):B1/B2/B3/B4/B5/B8/B12/B13/B18/B19/B20/B27/B28/ LTE-FDD (CAT NB2): B1/B2/B3/B4/B5/B8/B12/B13/B18/B19/B20/B28
Data transfer	LTE: Max. 588Kbps (DL)/Max.1119Kbps (UL) GPRS: Max. 107Kbps (DL)/Max. 85.6Kbps (UL)
Transmit power	Class 4 for GSM850/900: 23±2dBm Class 1 for GSM1800/1900: 20±2dB m Class3 for LTE-TDD: 23±2.7dBm Class 3 for LTE-FDD: 23±2.7dBm Bluetooth® LE: -6.6 dBm
Data support	SMS (TEXT), Network protocols (TCP,UDP)

Power

Battery	2200mAh, 2S, extremely low self-discharge Li-SOCl2 batteries 7.2V, Non-rechargeable

BLUETOOTH® technology

Specification	5.2 + LE
Supported peripherals	EYE Sensors, EYE Beacons (recovery mode only), Universal Bluetooth® LE sensors support sensor support

Physical specification

Dimensions	78 × 63 × 28 mm (L x W x H)
Weight	115 g (when 2 cell batteries are used)

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

Scenarios	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 BLE sensor
Sensors	Accelerometer
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	AT&T PTCRB, FCC, IC