TAT140

4G LTE ASSET TRACKER

4G LTE   IP68

TELTONIKA | Telematics

TAT140 🛗
LTE/GNSS TERMINAL
Rating: 7.2 V ⎓ 0.05 A Max
Internal Li-SOCl2 battery 7.2 V, 2200 mAh
Model name: TAT140-QKIB0
Made in Lithuania
Saltoniskiu st. 9B-1, LT-08105, Vilnius, Lithuania
www.teltonika-gps.com

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⬆⬆ MOUNT
THIS SIDE UP

ROBUST	INGRESS PROTECTION	PERIODIC REPORTS AND WEEKLY SCHEDULER	OTA UPDATES
Robust, small and easy to install	Waterproof and dust resistant for outdoor integrations (IP68)	Track on stop & in motion	Convenient OTA (over-the-air) updating through user-friendly applications

VALUABLE ASSETS

TRAILER TRACKING
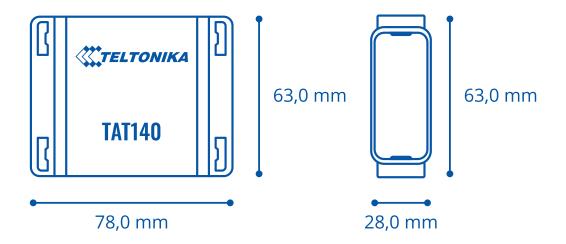
CONSTRUCTION EQUIPMENT

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.

63,0 mm **63,0 mm**

78,0 mm **28,0 mm**

Product

Model name	TAT140-QJIB0	TAT140-QKIB0

Module

Name	Quectel EG915U-EU with Teltonika TM2500	Quectel EG915U-LA with Teltonika TM2500
Technology	LTE(CaT1)/2G(GSM/GPRS)/GNSS/BLUETOOTH® LE	LTE(CaT1)/2G(GSM/GPRS)/GNSS/BLUETOOTH® LE

GNSS*

GNSS	L1: GPS, GLONASS, GALILEO, BEIDOU, SBAS*, QZSS*, DGPS*, AGPS*	L1: GPS, GLONASS, GALILEO, BEIDOU, SBAS*, QZSS*, DGPS*, AGPS*
Receiver	33 tracking channel 99 acquisition channel	33 tracking channel 99 acquisition channel
Tracking sensitivity	-165 dBM	-165 dBM
Position accuracy	< 2.5 m CEP	< 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	GSM: B2/B3/B5/B8
4G bands	LTE FDD: B1/B3//B5/B7/B8/B20/B28	LTE-FDD: 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)"	LTE FDD (CAT 1): Max 10Mbps (DL)/Max 5Mbps (UL); GSM (GPRS): Max 85.6Kbps (DL)/Max 85.6Kbps (UL)
Tramsmit power	Class 4 for GSM850/900: 33±2dBM Class 1 for GSM1800/1900: 30±2dBM Class 3 for LTE-FDD: 23±2dBM	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**)	SMS (TEXT), Network protocols (TCP,UDP,TLS, EGTS, MQTT**)

Power

Battery	2200mAh, 2S, extremely low self-discharge Li-SOCl2 batteries 7.2V, Non-rechargeable	2200mAh, 2S, extremely low self-discharge Li-SOCl2 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	4.0 + LE
Supported peripherals	EYE Sensors, EYE Beacons (recovery mode only), Universal Bluetooth® LE sensors support	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)	78 x 63 x 28 mm (L x W x H)
Weight	115g. (with 2 cells battery)	115g. (with 2 cells battery)

Operating environment

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

Interface

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

Features

Sensors	Accelerometer	Accelerometer
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 Bluetooth® LE sensors	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	Single custom sleep mode
Configuration and firmware update	FOTA Web, Teltonika Configurator (USB)	FOTA Web, Teltonika Configurator (USB)
SMS	Configuration, Events, Debug	Configuration, Events, Debug
GPRS commands	Configuration, Debug	Configuration, Debug
Time Synchronization	GNSS, NITZ, NTP	GNSS, NITZ, NTP

Certification & Approvals

Regulatory	CE/RED, E-Mark, RCM, UKCA	CE/RED, E-Mark, RCM, UKCA