

ASSET TRACKER ^{EASY}

We have listened to our customers and with some considerations we are finally launching TAT100 – brand new Asset Tracking device with internal battery which could last up to 1 year while sending data once per day. TAT100 is a device for asset tracking and additional protection against thefts of valuable goods, as well as it could be used in wide range of applications from tools tracking to container tracking. It is a robust waterproof solution with extremely easy mounting. The usage of the battery mainly depends on how long you want to monitor your goods. The device uses low power BlueNRG-232 chipset, TM2500 module, internal GNSS, GSM antennas, 2 low self-discharge Li-SOCI2 batteries.



1 year of battery life sending records once per day



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



Robust, small and easy to install



Synchronized records sending and wake-up scenarios



Water and dust resistant for outdoor integrations (IP67)



Magnetic, strap and additional holder mounting possibilities



USE CASES



PARCEL TRACKING



LEASING



GENERATORS



TOOLS TRACKING



CONTAINER TRACKING



CONSTRUCTION EQUIPMENT MONITORING

Hardware

Module	Teltonika TM2500
Technology	GSM/GPRS/GNSS/BLUETOOTH 4.0 + LE
GNSS	GPS, GLONASS, GALILEO, BEIDOU, SBAS, QZSS, DGPS, AGPS
Receiver	33 channel
Tracking sensitivity	-165dBm
GNSS receiver start times	Hot < 1s, Warm < 25s, Cold < 35s
Accuracy	< 3 m
Cellular	Quad-band GSM 850 / 900 / 1800 / 1900 MHz GPRS Multi-Slot Class 12 (up to 440 kbps) GPRS Mobile Station Class B
Power	2x 2200mAh extremely low self-discharge Li-SOCl ₂ batteries 3.6V (15.84 Wh)
Antenna	GNSS antenna (Internal High Gain), GSM antenna (Internal High Gain)
Interface	Ultra-low-power Bluetooth BlueNRG-232 chipset, 2.0 micro-USB, Internal eSIM slot, 128 MB internal flash memory (220'000 records), "Reset" button on PCB for unpairing
Sensors	Accelerometer

Software

Scenarios	Records sending by schedule, Tilt detection, Over Speeding detection, Jamming detection, Auto and Manual Geofence
Sleep modes	GPS Sleep, Online Deep Sleep, Deep Sleep, Ultra Deep Sleep
Data sending	Main, Duplicate and Backup servers
Configuration and firmware update	FOTA Web (cloud based solution) Teltonika Configurator (USB, Bluetooth)
Protocols	UDP/TCP/SMS
Security	Configuration password SMS login and password Authorized GSM numbers list
Time synchronization	GNSS, NITZ, NTP

Physical specifications

Dimensions	78 x 63 x 28 mm (L x W x H)
Ingress Protection Rating	IP67

Certification & Approvals

Regulatory (pending)	CE(RED), EAC, RoHS, REACH
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