

ASSET TRACKER ^{EASY}

ASSET TRACKER^{EASY} (TAT100) – brand new Asset Tracking device with internal battery which could send even up to 1000 Records! 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.



Battery life - Up to 1000 Reports!



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 2700mAh extremely low self-discharge Li-SOCI2 batteries 3.6V (19.44 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 | Enhanced tamper detection, Accelerometer wake up, GPS and LBS, Indoor Tracking, Bluetooth sensor support (Light, Temperature, Humidity, etc.) / Recover mode Records sending by schedule, Auto and Manual Geo-fence |
| 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

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

Certification & Approvals

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