



Supply chain



Intra Logistics

STIM-TRACK ACCURACY (STA) is a configurable assets tracker designed for industrial environment. Versatile, it tracks assets location, and monitors assets usage. Easy installation, over the air configuration make the device ready for mass field deployment.

Benefits

- Multitechnology geolocation, configurable upon use case and customer's accuracy requirements
- Can track assets indoor and outdoor
- Embedded sensors to monitor transport conditions
- Configurable in the field over-the-air
- Robust design to comply with industrial environment
- Low power, multiyear autonomy

Mechanical aspects :

- Dual mode LoRaWAN/Sigfox, configurable remotely
- Multitechnology Geolocation: GNSS, Wifi Sniffing, BLE beaconing, RSSI
- Low Power GNSS
- Multiple sensors for environment analysis and ad-hoc alerts
- Motion detection
- Anti tamper alert
- Lithium battery powered (~ 5 years lifetime)
- Reliable: MTBF> 10 years
- Operating temperature: -40°C / +85°C

Features

- LoRaWAN**
- BLE 5.0
- Multi technologies geolocation
- Dual accelerometer
- Gyroscope
- Ambient light
- Temperature
- Anti-tamper switch

For more information, visit www.stimio.fr

STA is a comprehensive track & trace solution for professionals



Easy Installation

STIM-TRACK ACCURACY (STA) features two complementary installation steps: an activation switch in the back of the device powers up STA only when it is fixed, preserving the battery charge until it gets in use. An optional Android application provided by STIMIO can be used to configure the main parameters when the STA is activated.

Technical Characteristics

Radio

- Multitechnology geolocation, configurable upon use
Integrated 868 MHz or 915MHz antenna
- LoRaWAN/Sigfox: Operator can be selected in the field
- BLE: Bluetooth v5.0 with integrated antenna
- Wifi: 802.11 b/g/n with integrated antenna

Power

- Autonomy: typ. 5 to 10 years
- Battery: 14.4 Wh

Temperature range:

- -40°C to +85°C

Activation switch

Anti tamper switch

Mechanical

- Dimensions: 131 x 96 x 33 mm
- Weight: 170 g

Sensors

- Gyroscope: $\pm 125/\pm 245/\pm 500/\pm 1000/\pm 2000$ dps
- Accelerometers: $\pm 2g/\pm 4g/\pm 8g/\pm 16g$
- GNSS: -167 dBm sensitivity, 73 channels, compatible with: BeiDou, Galileo, GLONASS, GPS / QZSS wideband integrated antenna
- Temperature sensor:
0.5°C (Maximum) From 0°C to +65°C
1.0°C (Maximum) From -40°C to +125°C
- Ambient light: 0.01 lux to 83 k lux
- RGB Led

Ordering information

Part number	Description
SIOTXXX	STA full option
SIOTXXX	STA w/o Wifi Sniffing
SIOTXXX	STA w/o GNSS

Stimio is member of  LoRa Alliance™

Stimio is a  partner

For any questions, please contact us by email at contact@stimio.fr or by phone at +33 2 40 18 02 03