

# TRK-TRACER-CELL-GPS®

## BATTERY-POWERED INDOOR/OUTDOOR GEOLOCATION



GPS  
GNSS



Wi-Fi  
SSID



Cell ID

**LTE-M**



**LoRaWAN**

**sigfox**



## USE CASES



### Logistics flows tracking

The combination of these geolocation technologies allows to track all types of containers and equipment, from the warehouse to the final destination, both indoors and outdoors.



### Monitoring transport and storage conditions

Motion, fall, shock, tilt, temperature and humidity detection to ensure flow traceability and responsibility transfer.



### Optimization of resource availability

Fighting against pallet retention, ensuring equipment availability at the right time and in the right location, optimizing velocity and container rotation.



### Equipment security

Fighting against the theft of value-added materials, alerting in the event of abnormal movements, reducing logistics routing errors.

## PRODUCT HIGHLIGHTS

**INDOOR/OUTDOOR GEOLOCALISATION:** based on a combination of three technologies GPS (GNSS), Wi-Fi sniffing and Cell ID.

**LTE-M CELLULAR COMMUNICATION INCLUDED FOR 5 YEARS / 25 MB:** prepaid e-SIM card, multi-country and multi-operator. Dual-SIM option with the addition of a second physical SIM card.

**EVENTS DETECTION :** activity counter, movement, fall, shock, tilt, ambient temperature, humidity...

### BLUETOOTH 5.0 LOCAL COMMUNICATION:

- **Beaconing :** transmission of data or presence to third-party BLE devices (beacons, PDAs, smartphones, etc.)
- **Scan :** listening and acquisition of data from third-party BLE devices (geolocation, temperature, opening, etc.)
- **Connection** for setup purposes.

**USAGE MODES :** sending periodic and/or event-based messages (in motion, motion/stop, exceeding temperature threshold, fall, etc.). Configurable activity modes based on time slots.

**“BLACK BOX” MODE :** recording up to 20,000 time-stamped events in case of no network coverage. LoRaWAN or Sigfox “Fallback” optional.

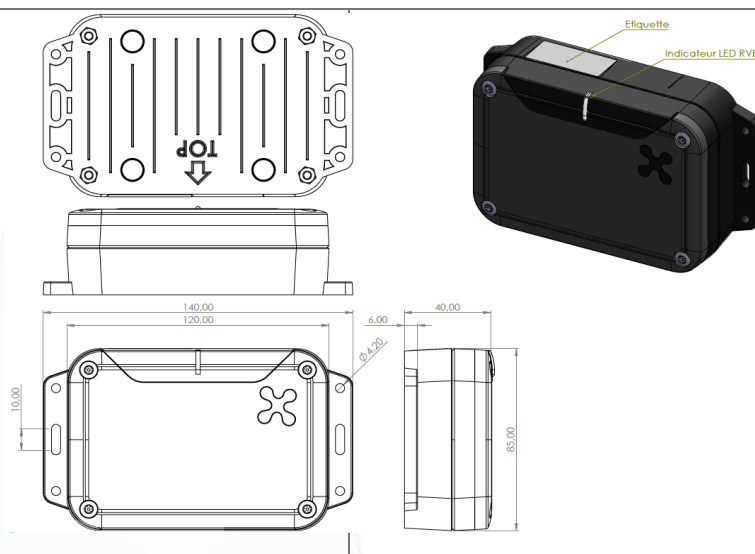
**ANTI-TEARING DETECTION:** Alarm transmitted as soon as the Tracer is detected to be disconnected from its support.

**EXTERNAL PROBE AND ACTUATOR OPTION:** door opening contact and latch, temperature sensor, remote control, etc.

**OPTIONAL ONE EDGE SERVICE:** pre-registration of unique ID, access to a Lightweight M2M server and Wi-Fi SSID databases.

# SPECIFICATIONS

## Mechanical characteristics



## Attachment methods

- Screw
- Magnet (optional supply)
- Glue

## Certifications

CE, EN 300-220

## Physical characteristics

Battery	Replaceable 17 Ah Lithium battery
Material	ABS PC V0 UL94
Weight	120 g
IP index	IP67
IK index	IK08
Operating temperature	-20°C to 60°C
Storage temperature	-30°C to 70°C
Humidity	< 95% without condensation

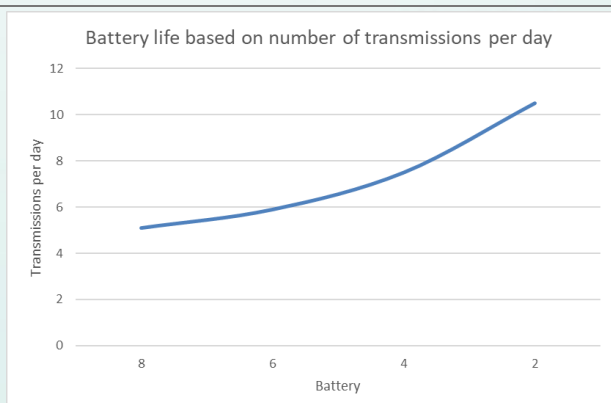


**CAUTION: THIS PRODUCT USES LITHIUM BATTERY.**  
FOR YOUR SAFETY, PLEASE CHECK OUR WEBSITE.

## Communication

LTE-m	MVNO : Telit.
	5-year prepaid e-SIM card / 25 MB data
	Multi-country and multi-operator LTE-m coverage
	Slot for a second physical SIM card
	Data encryption by AES 128, cross-authentication system.
	Service OneEdge™ (optional)
Fallback	LoRaWAN et/ou Sigfox (optional)
Bluetooth 5.0	Local communication with BLE devices

## Exemple de durée de vie



## Use case scenario

4 Wi-Fi SSID / Cell ID location transmissions per day

Ambient temperature measurement every 10 minutes and instant shock detection

## Data transmitted

- Geolocation
- Movement, shock, tilt, fall
- Alarm in case of change of status or threshold exceeding
- Active/Inactive Status Counter
- Time-stamped data logging of events
- Activity data (battery, etc.)
- Temperature and humidity (optional)
- Downlink Setting

## INEO-SENSE

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