

ioTracker 2



Key features

Location tracking	Track the location via GPS for location accuracies up to 2 meters, via WiFi for location accuracies up to 20 meters or via LoRaWAN only ¹ for location accuracies up to 50 meters. You can activate the GPS and WiFi functions over-the-air.
WiFi	WiFi is included for localisation support.
BlueTooth (BT)	BT is optional, e.g. for BT beaconing or device management/read-out.
Light sensor	Precise light sensor (in lux) included.
Alarm button	Button is included, e.g., to send an alarm via LoRaWAN when pressed.
Temperature	Precise temperature sensor included.
Notification	Notifications can be received, e.g., for important events such as a button press, when the battery is low, low, when a temperature/lux threshold has been reached or when the ioTracker moves.
Buzzer	A buzzer is included, e.g. to help find your ioTracker.
Geofence	You are able to put a virtual fence around an area and receive notifications when your ioTracker is located in- or outside this area.
Battery	No hassle of charging, as the ioTracker lasts easily 2 years ²

Specifications

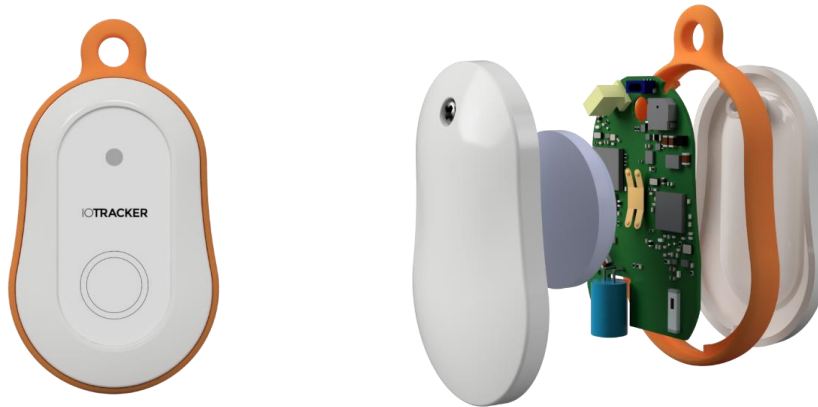
Housing	Small size format (waterproof). Multiple mountable headers available.
Dimensions	57,6x33,6x13,4 mm
Battery	CR-2477 button cell (user replacable)
Input Voltage	2,2V to 5,5V
Functions	LED (red and green), Push button (with tactile feedback), Buzzer BlueTooth (BT, optional) for BT beaconing or device management / read-out Motion detection LoRa localisation (needs to be supported by LoRa network) GPS localisation WiFi localisation (802.11 B/G/N 2.4Ghz.) Precize light sensor (0,01 lux till 83000 lux) Precize temperature sensor (0,01 °C resolution and accuracy of 0,2 °C)
Communication	LoRaWAN version 1.0.2
Antenna performance	-5.5 dB in all directions (as verified in a certified test lab)
Operating Temperature	-15°C to +60°C
Weight	31 gram
Certification	ioTracker embedded software is built on the Stackforce/STM certified reference stack, version 4.4.1.

¹ Requires LoRaWAN network provider to facilitate geolocation service via LoRaWAN (e.g., works in NL)..

² Based on 25 updates per day. The use of GPS is equivalent to 200 updates. Update rates are configurable and hence, battery lifetimes of less than a year and more than 5 years as possible as well.

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ioTracker



Key features

Location tracking	Track the location without GPS via LoRaWAN ³ up to 100-meter accuracy. You can activate the GPS function through the app for up to a 2-meter accuracy.
Alarm button Temperature	By pressing the button, you'll receive an alarm notification in the app. The temperature sensor provides the actual temperature of the ioTracker.
Notification	You can receive messages of important events on your smart phone, for example when someone pressed the button, when the battery is low, when a temperature threshold has been reached or when the ioTracker moves.
Buzzer Geofence	The buzzer provides a sound which helps you find the ioTracker. You're able to put a virtual fence around an area and receive notifications when your ioTracker is located in- or outside this area.
Battery	No hassle of charging, as the ioTracker lasts easily 2 years ⁴

Specifications

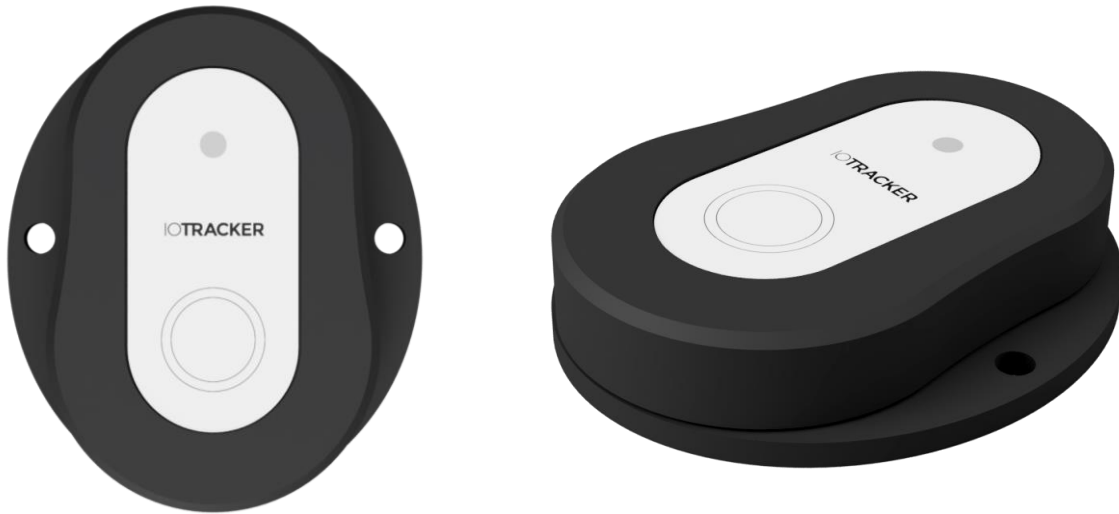
Housing	Car key size format (water splash proof)
Dimensions	51x32x13 mm
Battery	CR-2450 button cell (user replacable)
Input Voltage	2,2V to 5,5V
Functions	LED (red and green) Push button (with tactile feedback) Buzzer Motion detection LoRa localisation (needs to be supported by LoRa network) GPS localisation Temperature sensor
Communication	LoRaWAN version 1.0.1
Operating Temperature	-15°C to +60°C
Weight	17 gram
Certification	ioTracker embedded software is built on the Stackforce/STM certified reference stack.

³ Requires LoRaWAN network provider to facilitate geolocation service via LoRaWAN (e.g., works in NL)..

⁴ Based on 25 updates per day. The use of GPS is equivalent to 200 updates. Update rates are configurable and, hence, battery lifetimes of less than a year and more than 5 years as possible as well.

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mountable ioTracker



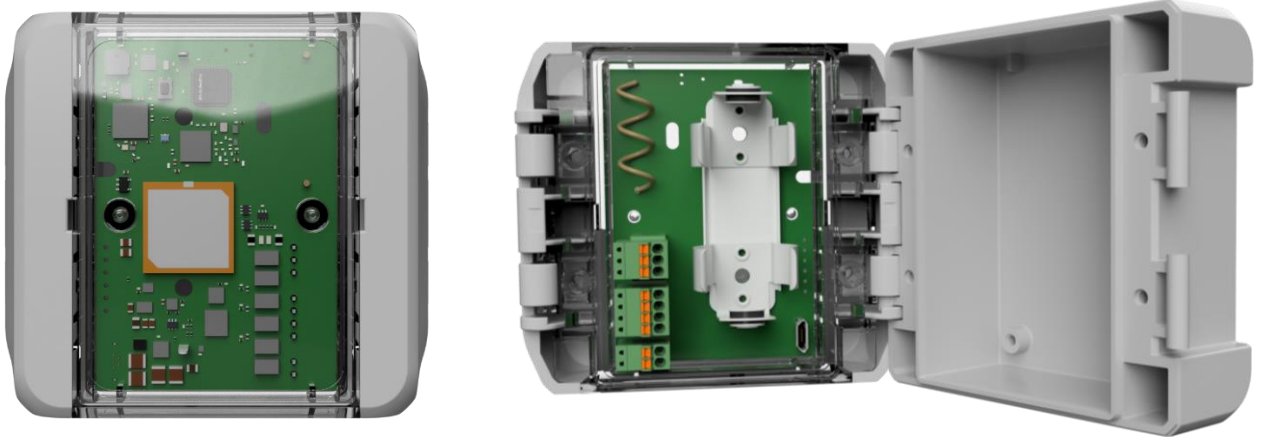
Key features

ioTracker	All features of the ioTracker.
Mountable	With its flat backside and two mounting holes, the mountable ioTracker is perfectly suited for montage on pretty much all surfaces.
Waterproof	The ioTracker is fully waterproof - IP 66, 68 (1,2m, 2h).
Battery life	The mountable ioTracker houses a bigger battery, giving you 50% more battery life, i.e. 3 years ² .

Specifications

Housing	Car key size format and mountable (water proof)
Dimensions	54x46.4x13.5 mm (elevated side of the body is 35.7mm wide)
Battery	CR-2477 Cell (user replacable)
Input Voltage	2,2V to 5,5V
Functions	Same as ioTracker
Communication	LoRaWAN version 1.0.1
Operating Temperature	-15°C to +60°C
Weight	31 gram
Certification	ioTracker embedded software is built on the Stackforce/STM certified reference stack.

ioTracker Pro



Key features

ioTracker
General purpose I/O

All features of the mountable ioTracker.

The ioTracker Pro generically supports any actuator and sensor via the GPIO interface.

Waterproof
Antenna

The ioTracker Pro is fully waterproof - IP 66, 68 (1,2m, 2h).

This casing is equipped with an industrial-sized antenna, which provides an even better connectivity and positioning performance.

Specifications

Housing
Dimensions
Battery
Supply voltage battery
Supply voltage
Input / output

Wall-mountable PC UL 94 V0 (suitable for outdoor use)

89x80x47 mm

C-Size Industrial Lithium Battery (LS26500) (user replacable)

2,6V to 5,5V Battery

5V to 24V Integrated power converter which supplies the ioTrackerPro

2 Input/Output/Analog connections at battery level

2 Input at power level, up to 24V.

2 Output at power level, up to 24V 2,5A

Optional functions

Serial communication (RS232, Modbus, TTL, 1PS (power metering))

Ultrasonic- laser-distance sensor (level measurement)

Air humidity, quality, airpressure

Gas- and particulates measurement / detection

Communication

LoRaWAN version 1.0.1

Operating Temperature

-60°C to +85°C

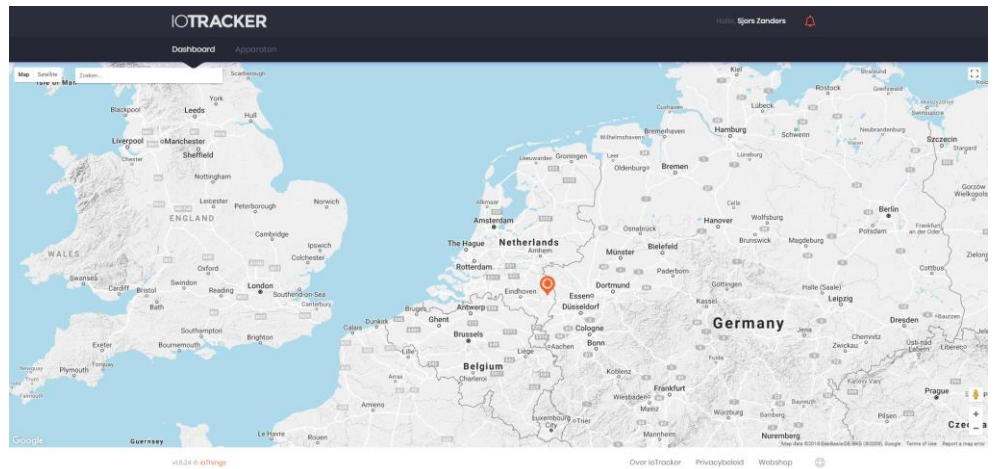
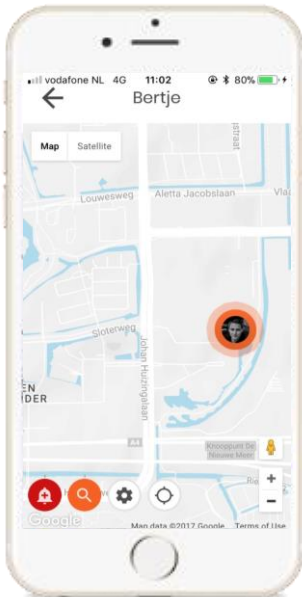
Weight

185 gram

Certification

ioTracker embedded software is built on the Stackforce/STM certified reference stack.

Software and integrations



- My ioTracker - Mobile app

- View location of your ioTracker(s) on a map
- View location heatmap
- Configure LoRa update rate
- Activate alarm (ioTracker buzzer)
- Configure geofencing
- Receive notifications (button and geofence events)
- View ioTracker battery status
- View ioTracker reception
- Personalise ioTracker with personal name and avatar
- Configure ioTracker(s) over-the-air

Dashboard

- Same features as the *My ioTracker/App* environment
- Easy search and batch operations⁵ on ioTracker devices (e.g., alarm, GPS, renaming, geofence, ...)
- Location history trail
- Optional function visualisations (depending sensors/actuators connected to Pro)⁵
- Data export functionality

API

- All of our environments (*My ioTracker, app* and *dashboard*) provide Application Programmable Interfaces (API) with which corresponding features can be easily integrated in your systems.

⁵ Implementation depends on specific use-case, i.e., the used sensors/actuators. Contact us for details.
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Subscriptions and pricing

	Standard	Plus	Pro
• Live read-out of device's sensor data	✓	✓	✓
• iOS & Android app	✓	✓	✓
• ioTracker dashboard	✓	✓	✓
• API integrations (supports OAuth 2.0)	✓	✓	✓
• Sensor data history		✓	✓
• Location heatmap and trail		✓	✓
• ioTracker Pro external sensor data			✓

Devices

Amount	ioTracker	ioTracker 2	mountable ioTracker	ioTracker Pro
1	€60,00	85,00	€66,00	€189,00
25	n/a	n/a	€63,00	€179,00
100	n/a	n/a	€60,00	€149,00
500	€55,00	85,00	€57,00	€129,00
1000	€55,00	80,00	€55,00	€119,00
5000	€50,28	65,00	€53,00	€99,00

Subscriptions

Amount	Standard	Plus	Pro
1	€3,26	€4,26	€6,26
25	€3,00	€3,92	€5,76
100	€3,00	€3,92	€5,76
500	€3,00	€3,92	€5,76
1000	€3,00	€3,92	€5,76
5000	€2,80	€3,66	€5,38

Prices are ex. VAT