"Time to enjoy the benefits this modern tracker is bringing!"

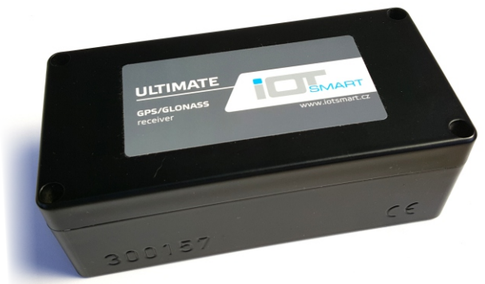
Technical Specification

Size:	160mm x 80mm x 55mm
Color:	black
Weight:	410 g *
Battery type:	Li-SOCl2, 17 000 mAh, type D, replaceable
Autonomy:	6 – 10 years
Geo – localisations:	high precision GNSS receiver
Emissions	class: Sigfox ready U0, RCZ1, CFU 868.13MHz/CFD 869.525MHz
Protection:	IP66/IP67, IK07/IK08 box, NEMA 1, 4, 4X, 12, 13
Enclosure:	polycarbonate IP67
Operating temperature:	from -30 °C to + 80 °C
Storing temperature:	between -40 °C and + 80 °C
Data transmission:	Sigfox 25 mW/14 dBm, 162 dBm, 144 msg per day
GNSS:	GPS/GLONASS – TTFF <15 s @ -130 dBm, <5s @ - 130 dBm, 1 s @ - 130 dBm
GNSS technology:	SBAS (WAAS, EGNOS, MSAS, GAGAN), AIC, LOCUS, EASY, QZSS, AGPS
GNSS protocol:	NMEA – RMC, VTG, CGA, GSA, GSV a GLL
Shock sensor:	omnidirectional
3D accelerometer:	±2g, ±4g, ±8g measurement range
Antenna:	built-in GNSS (active-gain 20 dBm) and UNB Sigfox
Installation:	integrated NdFeB magnets or double coated tape

*magnets are not involved

Ultimate 3.0

tracker for heavy industries



IoT.smart presents a tracker Ultimate 3.0.

This device is a highly sensitive state-of-the-art GPS/GNSS tracker for advanced monitoring. It is specially designed for tracking moving objects in demanding environments.

A typical use is in transportation and logistics sector most commonly to track cars, trucks, trailers, railway wagons, containers and other moving objects.

A sensitive shake sensor and accelerometer are used for smooth motion detection and shock monitoring. Modern technologies make it possible to get coordinates even in areas with limited sky view. Components are carefully selected with regards to use.

Product Features

Compact and durable tracker offers reliable tracking services. It is based on the revolutionary Internet of Things technology. It uses the Sigfox network which is a modern alternative to traditional cellular operators. The benefits of this network are global coverage, low fees for data, extremely low power consumption and a service level agreement.

sigfox ready

sigfox partner

"Our goal is to achieve the longest possible lifetime powered by a battery."

"We send you information about your assets at the right time. "

"Ultimate 3.0 is the solution for harsh environments"

IoT.smart s.r.o.

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Identification number: 044 02 774
Tax ID: CZ 04402774

Slovakia
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Identification number: 35 909 773

- **No external power supply**
- **Localisation**
- **Motion detection**
- **Shock and vibrations detection**
- **Temperature measurement**
- **Low installing and operational costs**
- **Ready to use**

- **Waterproof design**
- **Easy and quick installation**
- **Autonomy**
- **Global coverage**
- **Secure and private**
- **High quality**

“Intelligent firmware is the brain of our device.”

”IoT.smart brings solutions to different industries.”

“IoT.smart cloud supports processes in your company. “

Functionality

The embedded software is essential part of each device to ensure proper functioning. The firmware covers following functionality:

- **Highly accurate GPS coordinate surveillance**
- **Event based system – start + stop + movement indication**
- **Indication of exceeding the limit of acceleration in the three axis**
- **Calculation of the distance travelled – based on user input**
- **Temperature measurement**
- **Support of remote configuration**
- **Intelligent power management for longer service life**

Use Cases

The Ultimate 3.0 tracker enables a growing number of applications. Tracker is designed for cases, where there is no other source of energy. Once the device is installed, its location, movement and other parameters can be tracked from anywhere on a phone, tablet or computer.

- **Asset management**
- **Logistics and containers tracking**
- **Heavy industries**
- **Demanding environment**
- **Theft prevention**
- **Fleet management**
- **Vehicles rental**
- **Quality measurement**
- **Waste management**

IoT.smart cloud

Iot.smart cloud is a growing collection of services for tracking. The cloud platform consists of secure servers, databases and an application. User can benefit from different functionality via web access:

- **Real – time software applications for management and monitoring**
- **Records of events (e.g. GPS position, movement, shock, distance, temperature)**
- **Display status and position of the device on a map or in a spreadsheet**
- **Evaluation of shock and transmitting related data**
- **Alerts and notifications**
- **Status checking**
- **Distance travelled by vehicles**
- **Railway infrastructure map**
- **Open API for downloading data**