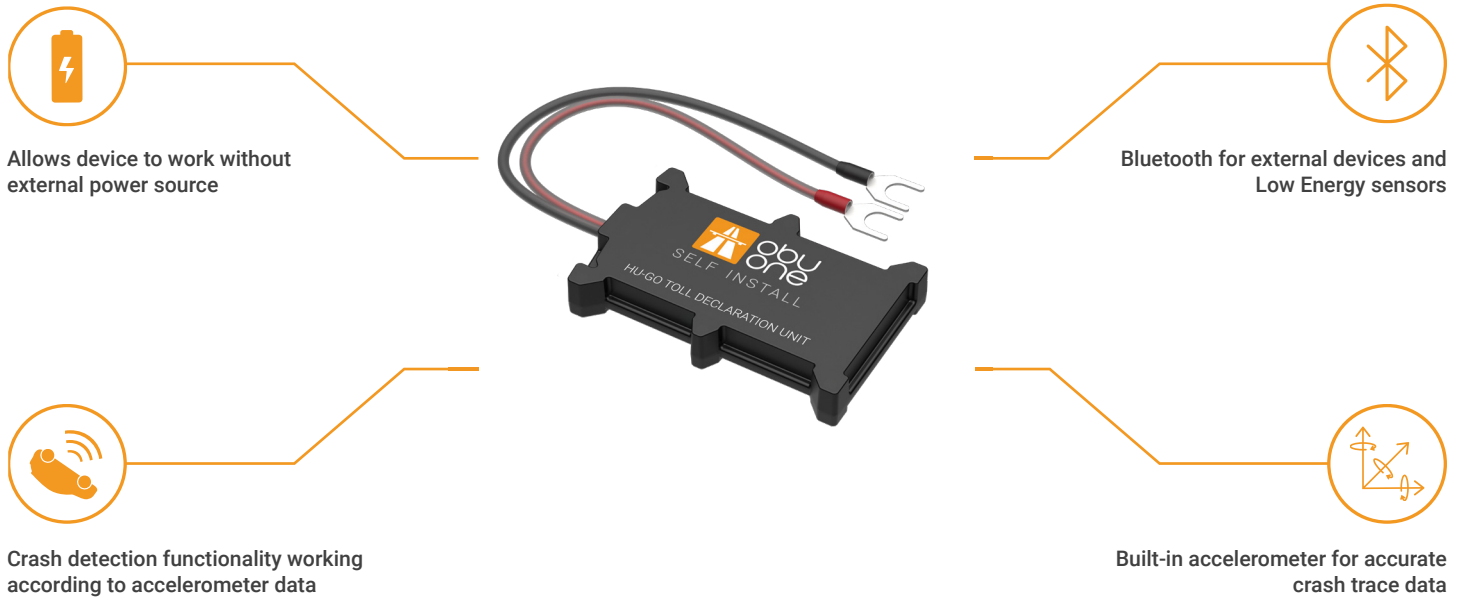


# OBU Self Install

EASY INSTALLATION GPRS/GNSS TRACKER WITH GYROSCOPE

OBU Self Install is a small, smart and waterproof GNSS SPECIAL tracker with Bluetooth connectivity and internal backup battery. Biggest in its class internal High Gain GNSS antenna allows mounting directly on car battery under the hood. OBU Self Install is equipped with special clamp connector for fast power cable connection to the car battery. Solid waterproof case and builtin accelerometer & gyroscope sensors with extremely accurate crash trace functionality makes this device perfectly suitable for insurance market solutions.



## USE CASES



LIGHT VEHICLES



TAXI



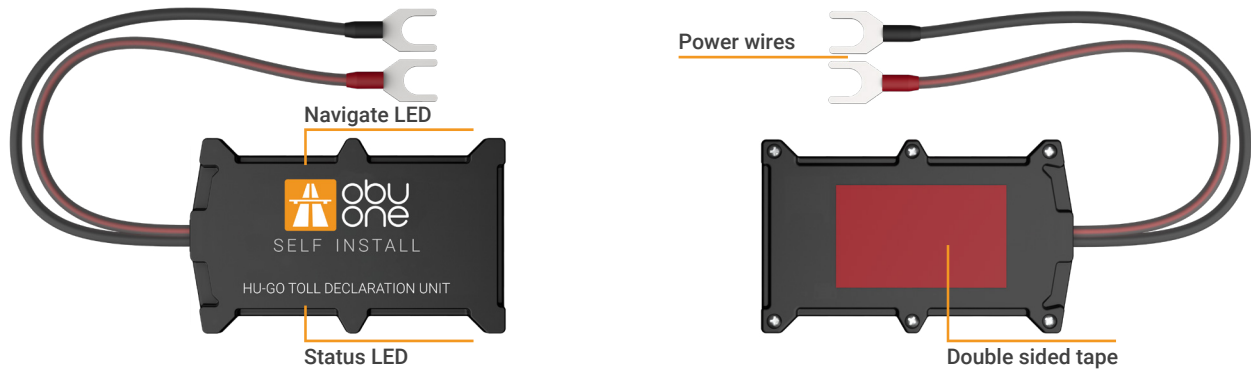
INSURANCE TELEMATICS (UBI)



COURIER DELIVERY SERVICES



RENTAL AND LEASING



## Module

Name	OBU Self Install
Technology	GSM/GPRS/GNSS/BLUETOOTH

## GNSS

GNSS	GPS, GLONASS, GALILEO, BEIDOU, SBAS, QZSS, DGPS, AGPS
Receiver	33 channel
Tracking sensitivity	-165 dBm
Accuracy	< 3 m
Hot start	< 1 s
Warm start	< 25 s
Cold start	< 35 s

## Cellular

Technology	GSM
2G bands	Quad-band 850/900/1800/1900 MHz
Data transfer	GPRS Multi-Slot Class 12 (up to 240 kbps), GPRS Mobile Station Class B
Data support	SMS (text/data)

## Power

Input voltage range	10 - 30 V DC with overvoltage protection
Back-up battery	170 mAh Li-Ion battery 3.7 V (0.63 Wh)

## Bluetooth

Specification	4.0 + LE
Supported peripherals	Temperature and Humidity sensor, Headset, OBDII dongle, Inateck Barcode Scanner, Universal BLE sensors support

## Physical Specification

Dimensions	92.5 x 57.6 x 14 mm (L x W x H)
Weight	63 g

## Interface

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<b>GNSS antenna</b>	Internal High Gain
<b>Cellular antenna</b>	Internal GSM High Gain
<b>USB</b>	2.0 Micro-USB
<b>LED indication</b>	2 status LED lights
<b>SIM</b>	Micro-SIM
<b>Memory</b>	128MB internal flash memory

## Operating environment

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<b>Operating temperature (without battery)</b>	-40 °C to +85 °C
<b>Storage temperature (without battery)</b>	-40 °C to +85 °C
<b>Operating humidity</b>	5% to 95% non-condensing
<b>Ingress Protection Rating</b>	IP65
<b>Battery charge temperature</b>	-0 °C to +45 °C
<b>Battery discharge temperature</b>	-20 °C to +60 °C
<b>Battery storage temperature</b>	-20 °C to +45 °C for 1 month -20 °C to +35 °C for 6 months

## Features

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<b>Sensors</b>	Accelerometer and gyroscope
<b>Scenarios</b>	Green Driving, Over Speeding detection, Jamming detection, GNSS Fuel Counter, Excessive Idling detection, Unplug detection, Towing detection, Crash detection, Auto Geofence, Manual Geofence, Trip
<b>Sleep modes</b>	GPS Sleep, Online Deep Sleep, Deep Sleep, Ultra Deep Sleep
<b>Configuration and firmware update</b>	FOTA Web, FOTA, Teltonika Configurator (USB, Bluetooth), FMBT mobile application (Configuration)
<b>SMS</b>	Configuration, Events, Debug
<b>GPRS commands</b>	Configuration, Debug
<b>Time Synchronization</b>	GPS, NITZ, NTP
<b>Fuel monitoring</b>	OBDII dongle
<b>Ignition detection</b>	Accelerometer, External Power Voltage, Engine RPM (OBDII dongle)

## Certification & Approvals

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<b>Regulatory</b>	CE/RED, EAC, REACH, RoHS
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