

USB Gateway

USB 300 / USB 300C / USB 300U
and USB 400J

It is a small USB stick which connects PC's and smart home servers to the world of EnOcean based radio products.

Following frequency variants are available:

- USB 300: 868.3MHz ASK (Europe & others)
- USB 300C: 315.0MHz (US/CA & others)
- USB 300U: 902.875MHz (US/CA & others)
- USB 400J: 928.35MHz (Japan & others)

USB 300/400J is equipped with the TCM 310/410J transceiver gateway module.

The product receives and sends all EnOcean radio telegrams according to the specified EnOcean Equipment Profiles (EEP). Radio telegrams are converted to a serial interface (EnOcean Serial Protocol 3) and transferred via USB interface.

The product provides radio signal strength information and supports additional control commands e.g. to configure repeater functionality.

Features:

- Receive messages from self-powered switches and sensors
- Send messages and control actuators
- Supports EnOcean security telegrams
- Remote configuration of self-powered sensors
- Visualization of radio telegrams with DolphinView Basic^{*)}
- Virtual COM Port driver (FTDI) for Microsoft Windows, Linux, Apple OS, Raspberry Pi and others.
- Supports all message formats of EnOcean Equipment Profile 2.6.x
- EnOcean Serial Protocol 3
- Smart acknowledge ^{*)}

^{*)} For advanced analysis and protocol debugging we recommend EnOcean Developer Kit EDK 350.



Example images

Technical Data:

Housing size:	70 x 23 x 9mm (incl. transport cap)
OEM label size:	39 x 12mm
USB/power supply:	Type A
Weight:	12g
Operation temp.:	-20°C to +50°C
Storage temp.:	-25°C to +70°C
Operation humidity:	0% to 90% r.h. (no condensation)
Storage humidity:	0% to 93% r.h. (no condensation)
868.3MHz:	internal chip antenna R&TTE EN 300 220 (CE)
315/902.875 MHz:	whip antenna FCC CFR-47 Part15
928.35MHz:	PCB antenna ARIB STD-T108
CE / RoHS:	yes

Optional Status LEDs:

- Power LED: USB power from the host
- USB activity LED: USB bus activity, Rx/Tx

USB 300/400J is designed and produced as white labelled OEM product. Labels and housing can be changed to specific requirements of OEM manufacturers (original distributors).

Type

USB 300
USB 300C
USB 300U
USB 400J

Ordering Code

S3004-K300
S3034-K300
S3054-K300
S3064-K400