

USB 300/400J is a small USB stick which connects PC's and smart home servers to the world of EnOcean based radio products.

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

- Send and receive EnOcean radio telegrams
- Power LED and Rx / Tx LED
- Supports EnOcean security telegrams
- Virtual COM Port driver (FTDI) for Microsoft Windows, Linux and Apple Mac
- Supports signal strength value
- Programmable repeater
- Remote management &
- Smart acknowledge



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	Ordering Code
USB 300	S3004-K300
USB 300U	S3054-K300
USB 400J	S3064-K300

Features overview

Frequency/antenna	USB 300: 868.300MHz / chip antenna USB 300U: 902.875MHz / whip antenna USB 400J: 928.350MHz / PCB antenna
Data rate	125kBit/s
Modulation type	USB 300: ASK 868 MHz ¹⁾ USB 300U: FSK 902MHz ¹⁾ USB 400J: FSK 928MHz ¹⁾
Receiver Category (RED, EN 300 220)	2 (standard performance)
Receiver Sensitivity (at 25°C) ²⁾	USB 300: typ. -96dBm USB 300U: typ. -98dBm USB 400J: typ. -95dBm
Conducted Output Power (antenna base)	USB 300: typ. 3dBm USB 300U: typ. 1dBm USB 400J: typ. 0dBm
Dimensions (incl. cap)	70 x 23 x 9mm
OEM label size	39 x 12mm
USB connector	Typ A
Operating temperature	-20°C to +50°C (max. 90% r.h.)
Radio Regulations	USB 300: RED (EU) USB 300U: FCC (US) / ISED (CA) USB 400J: ARIB (Japan)

1) According to ISO/IEC 14543-3-1x

2) 0.1% telegram error rate (based on the combination of 3 received sub-telegrams)