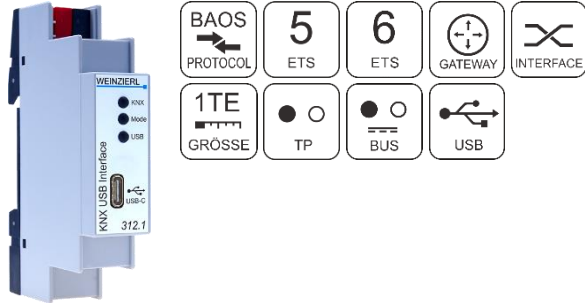


Data sheet

KNX USB Interface 312.1

Compact USB Interface between PC and KNX bus



(Art. # 5501)

Application area

The KNX USB Interface 312.1 is a data interface between a PC or laptop and the KNX installation bus.

The device can be used as a programming interface for ETS® Software and supports KNX Long Frames. Long telegrams enable a faster download to devices that support these telegrams, and it is necessary for KNX Security.

The LEDs on the device indicate the operating status and communication errors on the bus. The USB connector (USB C) is galvanic isolated from the KNX bus.

Notes for developers: In addition to the telegram interface via cEMI, the KNX USB Interface 312.1 includes a complete KNX Stack with communication objects and BAOS protocol V2. Thus, the device offers the possibility to extend devices with USB connection to full KNX devices, which can even be programmed by ETS.

For more information about this solution and available SDKs please contact WEINZIERL.

Technical Specification

Electrical safety

- Protection (acc. EN 60529): IP20

CE marking according to

- EMC directive 2014 / 30 / EU
- RoHS directive 2011 / 65 / EU
- EN 63044-3: 2018
- EN 63044-5-1: 2019
- EN 63044-5-2: 2019
- EN 63044-5-3: 2019
- EN 61000-6-2: 2019
- EN 61000-6-3: 2021
- EN 63000: 2018

Environmental requirements

- Ambient temp. operating: - 5 ... + 45 °C
- Ambient temp. non-op.: - 25 ... + 70 °C
- Rel. humidity (non-condensing): 5 ... 93 %

Mechanical data

- Housing: plastic (PC)
- DIN rail mounted device, width: 1 unit (18 mm)
- Weight: approx. 40 g

Indicators

- 3 LEDs, multicolor

KNX

- Medium TP
- Interface protocol: HID/cEMI
- Max. APDU length: 233
- Object Server: BAOS V2
- Device model: System B

Power supply

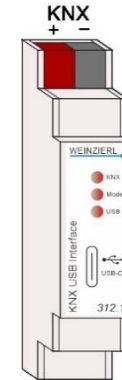
- USB < 15 mA
- KNX < 3 mA

Connectors

- Connector for KNX TP Bus (red/black)
USB: Connector type C,
max. cable length: 5 m

Installation Instructions

- The device may be used for permanent interior installations in dry locations or within distribution boards with DIN rail.

**WARNING**

- The device must be mounted and commissioned by an authorized electrician.
- The prevailing safety rules must be heeded.
- The device must not be opened.
- For planning and construction of electric installations, the relevant guidelines, regulations and standards of the respective country are to be considered.

Product database for ETS 5/6
www.weinzierl.de/en/products/312.1/ets6
 Manual
www.weinzierl.de/en/products/312.1/manual
 CE Declaration
www.weinzierl.de/en/products/312.1/ce-declaration


WEINZIERL ENGINEERING GmbH
 Achatz 3-4
 84508 Burgkirchen an der Alz
 GERMANY

Tel.: +49 8677 / 916 36 – 0
 E-Mail: info@weinzierl.de
 Web: www.weinzierl.de