

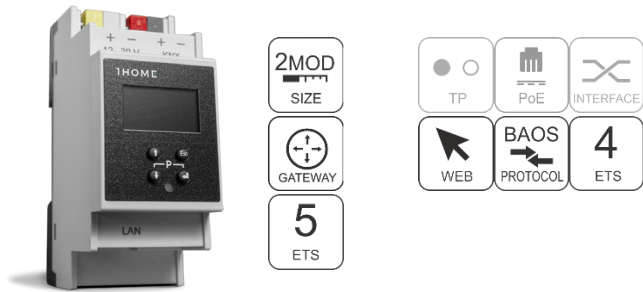


1HOME

Datasheet

1Home Bridge

Interface and ObjectServer between LAN and KNX Bus

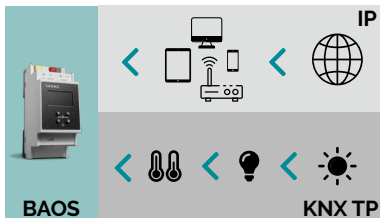


KNX IP BAOS 777 application area

The KNX IP BAOS 777 integrates a web server for the KNX installation. This allows the visualization in a web browser on a PC or mobile device.

1Home application area

1Home is a bridge between KNX (+Loxone) and Smart Assistant platforms (Amazon Alexa, Google Home, Apple HomeKit). It also serves as a secure remote access solution for programming smart homes via KNX ETS. The product is Apple and KNX certified.



Additionally, the device offers the function of a KNX IP interface (KNXnet/IP). Developers can access all functions via an API with BAOS RESTful Web Services.

Technical Specifications

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 50491-5-1: 2010
EN 50491-5-2: 2010, EN 50491-5-3: 2010
- EN 61000-6-2: 2005
EN 61000-6-3: 2007 + A1: 2011
- 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
- DIN rail mounted device, width: 2 units (36 mm)
- Weight: approx. 90g

Controls and indicators

- OLED display with 4 buttons
- Programming LED (red)

Ethernet

- 100 Mbit/s
- Supported internet protocols ARP, ICMP, IGMP, UDP/IP, TCP/IP, DHCP, SMTP, NTP
- Up to 8 KNXnet/IP Tunneling connections simultaneously
- Up to 10 BAOS connections simultaneously

KNX

- Medium TP
- Interface protocol: cEMI
- Max. APCU length: 55
- Object Server: BAOS V2
BAOS RESTful Web Services

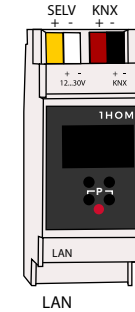
Power supply

- External supply 12-30 V
alternative: Power over Ethernet PoE
- Power consumption: < 1,5W

Connectors

- Bus connector for KNX (RD / BK)
- Connector for external power supply (YE / WH)
- LAN RJ-45 socket

Installation Instructions



- The device may be used for permanent interior installations in dry locations, within distribution boards or small casings with DIN rail.
- Further installation instructions can be found [here](#).

WARNING

- The device must be mounted and commissioned by an authorized electrician if it is not installed via POE.
- The prevailing safety rules must be heeded.
- The device must not be opened.
- or planning and construction of electric installations, the relevant guidelines, regulations and standards of the respective countries are to be considered if it is not installed via POE.



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ETS4/5 Database:

[Click here.](#)

Manual:

[Click here.](#)