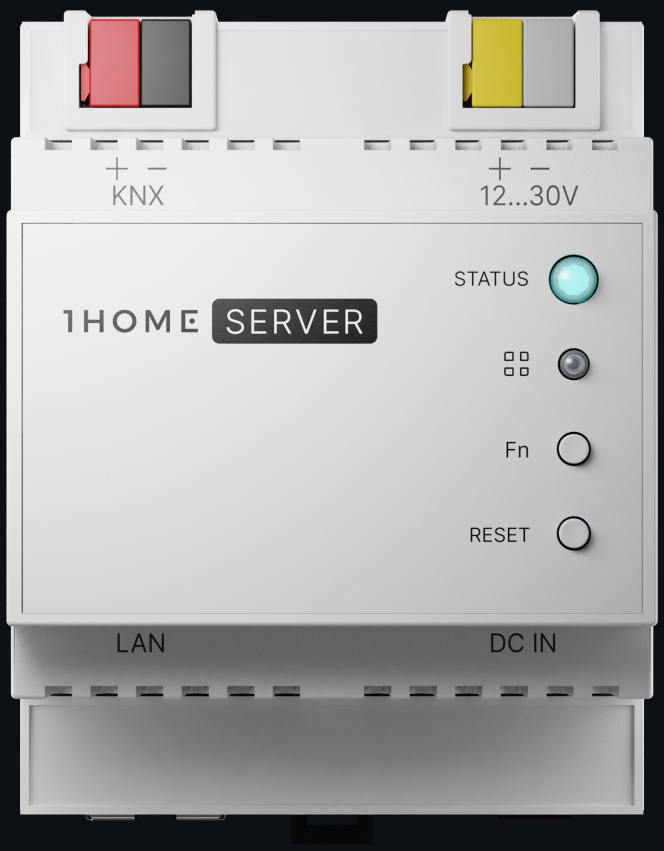
1Home Server KNX Pro Datasheet



The modern brain of your smart home system.

Installation instructions

To get started or learn more about the device, visit 1Home Server documentation.

Documentation: https://www.1home.io/docs

Technical specifications

Hardware

- Processor: Broadcom BCM2711 quad-core Cortex-A72 (ARM v8) 64-bit, up to 1.5 GHz
- Memory: 1 GB LPDDR4
- Storage: on-board 8 GB eMMC (4 GB usable for user storage)

Mechanical data

- Housing
  - Material: Plastic (PPO)
  - UL94 class: V0
- Mounting: DIN (EN 60715) rail, width: 4M (72 mm)
- Weight: approx. 150 g

Power supply

- External power supply: 12...30 VDC / alternative; DC barrel power supply (12 VDC, 1 A)
- Power consumption
  - Typical: 2-3 W @30 VDC
  - Max: 5 W @30 VDC

Controls and indicators

- RGB multi-color status LED
- Multifunctional mono-color red LED
- Multifunctional button
- Reset button

KNX

- Medium: Twisted Pair (KNX TP1–256)
- Interface protocol: cEMI

Environmental requirements

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

Network Connectivity

- Gigabit Ethernet LAN (1 Gbit/s)
- IEEE 802.3: 1000BASE-T, 100BASE-TX, 10BASE-T
- IPv4 & IPv6 support
- Supported network protocols ARP, ICMP, ICMPv6, IGMP, UDP/IP, TCP/IP, DHCP, NTP, mDNS, DNS-SD, HTTP
- Up to 4 KNXnet/IP Tunneling connections simultaneously

Connectors

- KNX TP Bus connector (Red / Black)
- Power
  - AUX connector (Yellow / White) for external power supply , or;
  - DC barrel socket
- Ethernet LAN RJ45 socket

CE marking according to

- EMC directive 2014 / 30 / EU
- RoHS directive 2011 / 65 / EU
- EN 55014-1:2017
- EN 61000-4-2:2009
- EN 61000-4-3:2006 + A1:2008 + A2:2010
- EN 61000-4-4:2012
- EN 61000-4-5:2014
- EN 61000-4-6:2014

Packaging specifications

EAN: 3830073770138

WEEE number: DE48929946

Packaging dimensions:

- Product: 12.5 × 13 × 7 cm
- Transport: 13 × 13.5 × 7.5 cm

Included in the box:

- 1Home Server KNX Pro
- Welcome card
- Device label (serial No., default credentials, Matter pairing code)
- Power supply and network cable not included!