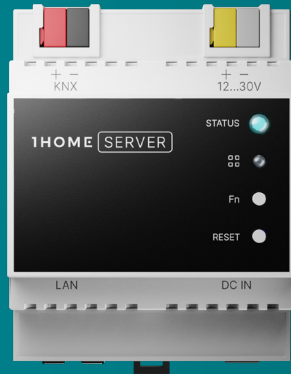


# 1Home Server Datasheet



1Home Server is the modern brain of a KNX smart home system.

## Visualization

Server enables a fully local integration with Apple Home, Google Home, Samsung SmartThings, Home Assistant and other smart home apps and voice control interfaces via the industry standard protocol Matter.

## Local first

1Home Server is configured completely locally via an embedded web interface (with an exception of ETS auto detection). The device runs local first and will run uninterrupted even if the internet connection is lost.

## Remote access\*

For a remote configuration, the 1Home Server can be paired with 1Home Remote Dashboard ([remote.1home.io](https://remote.1home.io)) where the customer or the integrator can access the device remotely.

## Automatic ETS device detection\*

Automatic ETS device detection saves time importing your KNX configuration, without the need to type hundreds of group addresses and devices by hand.

## Automatic issue detection

Detects configuration issues and saves you time troubleshooting.

## Logic module

Runs simple or complex automations through an easy to use interface (coming in Q1 2024).

## IoT integrations

Integrates 100s of IoT devices via Matter as if they would be one with KNX (coming in Q1 2024).

\*This feature requires an active internet connection

# 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: cEM1

### 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: 3830073770107

WEEE number: DE48929946

### Packaging dimensions:

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

### Included in the box:

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