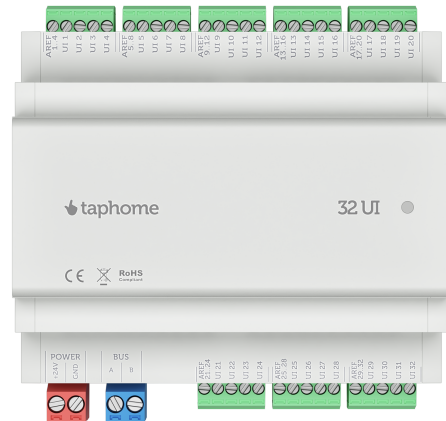


32 UI

TapHome 32 UI input module with 32 universal inputs.
 NTC temperature, buttons, pulses, 0–10 V, 4–20 mA. 6M
 DIN rail.



Quick Facts

Dimensions	107 × 59 × 58 mm
Operating temperature	0 ... 55 °C
IP rating	IP20
Power consumption	1 W

Flexible input module. Every single input terminal can be configured for any type of input. As a result, all inputs on the module are used.

Order Code	TH-32UI-DIN-1.0
EAN	 8586022930355

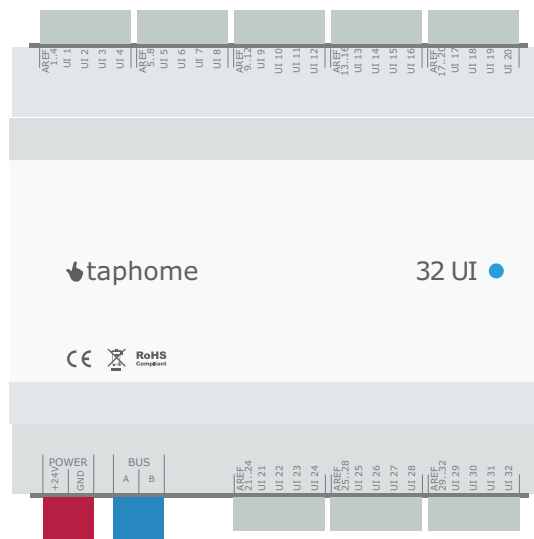
Technical Specifications

ELECTRICAL	
Power supply	24 VDC ±10%
Power consumption (idle)	1.5 W
Bus	TapHome Bus
INPUTS	
Universal inputs	32
Analog input	0–26 VDC, 12-bit

Terminal Connectors

Connector	Pins	Wire range	Strip length
● Inputs 1-4	AREF 1..4, UI1, UI2, UI3, UI4	0.14–1.5 mm ² (30–14 AWG)	6.5–7.5 mm
● Inputs 5-8	AREF 5..8, UI5, UI6, UI7, UI8	0.14–1.5 mm ² (30–14 AWG)	6.5–7.5 mm
● Inputs 9-12	AREF 9..12, UI9, UI10, UI11, UI12	0.14–1.5 mm ² (30–14 AWG)	6.5–7.5 mm
● Inputs 13-16	AREF 13..16, UI13, UI14, UI15, UI16	0.14–1.5 mm ² (30–14 AWG)	6.5–7.5 mm
● Inputs 17-20	AREF 17..20, UI17, UI18, UI19, UI20	0.14–1.5 mm ² (30–14 AWG)	6.5–7.5 mm
● Inputs 21-24	AREF 21..24, UI21, UI22, UI23, UI24	0.14–1.5 mm ² (30–14 AWG)	6.5–7.5 mm
● Inputs 25-28	AREF 25..28, UI25, UI26, UI27, UI28	0.14–1.5 mm ² (30–14 AWG)	6.5–7.5 mm
● Inputs 29-32	AREF 29..32, UI29, UI30, UI31, UI32	0.14–1.5 mm ² (30–14 AWG)	6.5–7.5 mm
● Power	+24V, GND	0.2–4 mm ² (30–12 AWG)	6.5–7.5 mm
● Bus	Bus A, Bus B	0.2–4 mm ² (30–12 AWG)	6.5–7.5 mm

Wiring Diagram



Features

- 32 universal inputs configurable for:
- NTC temperature inputs with resistance measuring range 100 Ohm – 100 kOhm ±50 Ohm. Measurement deviation per 1 km Cat6 cable: -0.3 °C at 25 °C. The AREF terminal ensures noise-free temperature measurement.
- Button inputs
- Reed / status inputs

- Pulse counter inputs, frequency 200 Hz per channel, sampling frequency 400 Hz per channel, pulse time > 2.5 milliseconds
- 0–10 V analog inputs with voltage measuring range 0–26 VDC, single-ended type, 12-bit resolution, accuracy 0.1% of full range, input impedance > 10 kOhm, normal mode rejection 50 dB at 60 Hz, conversion time 1250 milliseconds
- For 4–20 mA analog input, connect a 500 Ohm resistor and configure the appropriate input type in the software
- Logic levels: Log0: 0–7 V, Log1: 8–24 V
- Power supply 24 VDC ±10%
- Power consumption 1 W
- IP20 protection
- Operating temperature: 0 to +55 °C
- DIN rail installation, 6 modules. Width 107 mm, height 59 mm.
- Wire cross-section: 0.14–1.5 mm² (AWG 30–14) for signal terminals, 0.2–4 mm² (AWG 30–12) for power terminals
- Terminal screw torque: 0.2–0.25 Nm (signal), 0.5–0.7 Nm (power)
- Strip length: 6.5–7.5 mm



Product page

[https://hardware.taphome.com/
32-ui/](https://hardware.taphome.com/32-ui/)

