

evert HEMS – Home Energy Management System

Connect smart and conventional devices into one intelligent network – to manage energy use and dramatically reduce costs. Zero rewiring.



Energy smart
Supports dynamic tariffs & VPPs



Metering and control nodes
Measure energy use and control connected devices



evert Hub
The heart of your HEMS, where all devices connect



Broad compatibility
Works with most devices



Installer-first design
Hardware installed in as little as 60 minutes



PLC & API
Exchange device data via existing wiring or digital interfaces

One connected ecosystem for all home devices



evert App – one app for all your devices – smart or not



evert AI – smart energy management driven by AI



Privacy by design – local data processing, encrypted transfers

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Preliminary technical specifications

		Description	evert Hub	evert EQ metering node	evert bridge control node
Connections					
Ethernet (LAN)		RJ45 port	4	–	1
RS485		Terminal block*	2/4-wire	–	2/4-wire
HAN / M-BUS		RJ45 ports	2	1	–
P1		RJ12 port	1	1	–
I/O ports		Terminal block	4 inputs + 4 outputs	–	1 input + 1 output
Relay outputs		Terminal block	1	–	1
USB		USB Type-C	2	1	1
Antenna		SMA connector (external antenna)	1	–	–
Power		C8 power connector	1	1	Terminal block
Protocols					
Supported protocols	M-BUS, EEBUS, SunSpec (TCP), Modbus (TCP, RTU), P1, HAN, HmlP-ESI-IEC, OCPP, MQTT				
Control & I/O interfaces					
SG-ready/ § 14a	Relay outputs	Independent NO relays	2 x 2 / 2 x 2	–	1 x 2 / 1 x 2
Analogue I/O	Outputs	0–10 V, max. 10 mA	4	–	1
	Inputs	0–10 V, 4–20 mA	4	–	1
Digital I/O	Outputs	OC / OD / Totem pole, max. 10 mA	4	–	1
	Inputs	0 / 24 V, 0 / 5 V	4	–	1
Hardware					
Dimensions (W x H x D)**	–		150 x 250 x 40 mm	85 x 85 x 30 mm	70 x 70 x 20 mm
Ingress protection (IP) rating	IP20		IP20	IP20	n/a
Circuit protection	Short-circuit protected		✓	✓	✓
Communication interfaces					
Wired communication interfaces	Ethernet		✓	–	✓
	PLC		✓	✓	✓
Wireless communication interfaces	Wi-Fi 6		✓	–	–
	BLE		✓	–	–
	RF/G3-PLC		✓	–	✓
	NFC		–	✓	✓
Power					
Power input	110–230 V AC (50/60 Hz)				
Languages, certifications, warranty					
Languages	English, German, Norwegian				
Certification	CE	✓	✓	✓	✓
	–	ETSI EN 300 328 V2.2.2 (2019-07) ETSI EN 300 330 V2.1.1 (2017-02) ETSI EN 300 220-4 V1.1.1 (2017-02) EN IEC 62368-1:2024/A11:2024 EN IEC 61000-6-1:2019 EN IEC 61000-6-3:2021 ETSI EN 301 489-1 V2.2.3 ETSI EN 301 489-3 V2.3.2 (2023-01) ETSI EN 301 489-17 V3.1 (2024-09)	ETSI EN 300 330 V2.1.1 (2017-02) EN IEC 62368-1:2024/A11:2024 EN IEC 61000-6-1:2019 EN IEC 61000-6-3:2021 ETSI EN 301 489-1 V2.2.3 ETSI EN 301 489-3 V2.3.2 (2023-01)	ETSI EN 300 330 V2.1.1 (2017-02) ETSI EN 300 220-4 V1.1.1 (2017-02) EN IEC 62368-1:2024/A11:2024 EN IEC 61000-6-1:2019 EN IEC 61000-6-3:2021 ETSI EN 301 489-1 V2.2.3 ETSI EN 301 489-3 V2.3.2 (2023-01)	
Warranty	5 years				

*120 Ω termination configurable via software ** Subject to change

