

eNetIO-4-addd

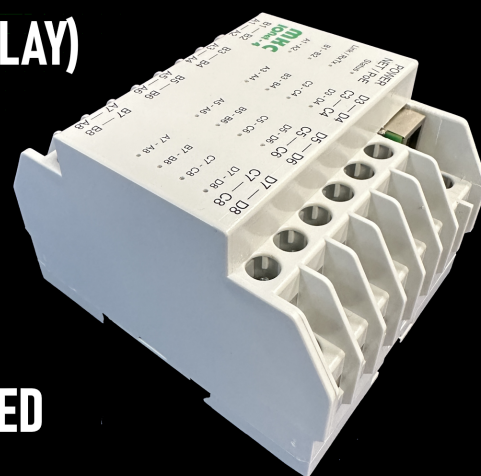
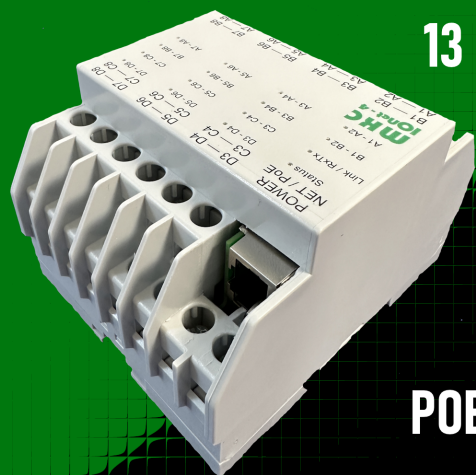
13 DIGITAL OUTPUTS (RELAY)

1 DIGITAL INPUT

REST API

MQTT CLIENT

POE or DIRECTLY POWERED



The eNetIO provides you with an output in the form of a relay normally open contact and an electrically isolated input.

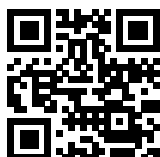
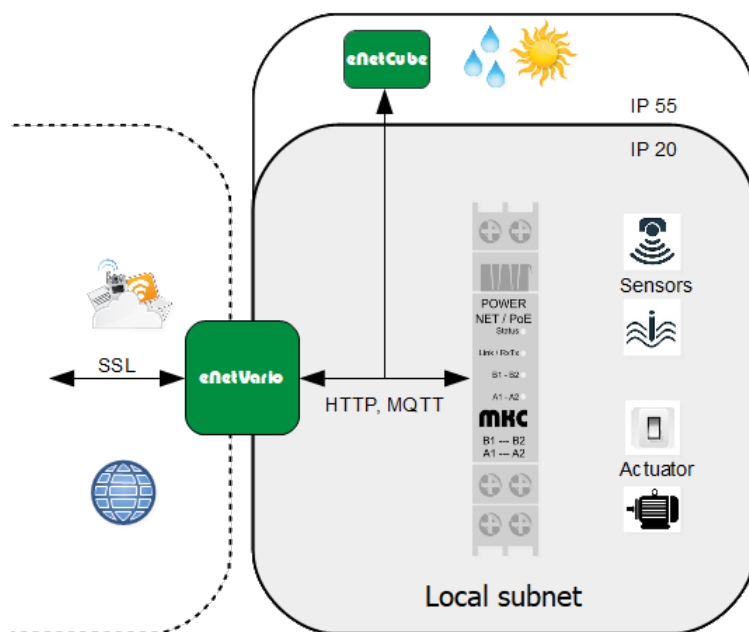
It works both stand-alone and integrated in control systems in industry or in the home user area (e.g. openHAB, **Node-Red**).

The device is an independent part of a whole series, for the connection of different sensors and actuators for industrial applications and the private environment.

The network interface is used for communication (**HTTP, JSON REST-API, MQTT**) as well as for power supply of the device via PoE.

The integrated HTTP server enables convenient setting of all system-relevant parameters. All software interfaces are based on open protocols.

Thus, all devices can be operated directly in your network environment without registration, app or cloud connection. This offers the highest possible protection for your data.



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Case

- Robust and compact enclosure for top-hat rail mounting according to EN 60715

Galvanic Isolation

- The device is completely galvanic decoupled from the power supply and from the sensors and actuators connected to the screw terminals.

Communication Interface

- RJ45, LAN Ethernet 10/100MBit
- M2M Communication
- MQTT Client
- HTTP Homepage

Power Supply

- Netzwerk, PoE
- Alternatively 18 - 48V DC (protected against polarity reversal)

13x Digital Output

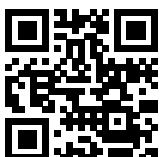
- Configurable as mono/bistable switch
- LED status indicator

1x Digital Input

- Sampling interval: ca. 2ms
- Weighted arithmetic mean as input filter
- LED status indicator

Technical Specifications

Dimensions LxWxH [mm]	90 x 70 x 60	
Ambient temperature [°C]		
-Operation	min: 0	max: 50
-Storage	min: -40	max: 80
Air humidity [% r.H.]	min: 0	max: 90
Power supply		
-Network PoE	IEEE802.3af, Class 0	
-Voltage [V]	min: 18	max: 48
-power consumption [W]	typ: 0.5	max: 3.84
Digital Outputs		
Quantity	13	
Contacts	A1 - A2, A3 - A4, B3 - B4, C3 - C4, D3 - D4, A5 - A6, B5 - B6, C5 - C6, D5 - D6, A7 - A8, B7 - B8, C7 - C8, D7 - D8	
Implementation	Relay, normally open	
Rated voltage		max: 250V~
Switching voltage		max: 440V~
Breaking capacity		max: 1500VA
Rated current		max: 6A
Galvanic isolation	≥ 3KV	
Wire cross-section [AWG]	min: 24	max: 16
Contact ratings [cycles] (VDE0660, VDE0631, UL508)	- 1x10 ⁵ bei 6A & 250V~ - 5x10 ⁵ bei 6A (resistive) & 30V= - 3x10 ⁶ bei 0,3A (L/R=40ms) & 50V=	
Digital Inputs		
Quantity	1	
Contacts	B1 - B2	
V _{IH}	min: 12V AC/DC	max: 230V AC/DC
V _{IL}		max: 6V AC/DC
Input resistance	≥ 50KΩ	
Galvanic Isolation	≥ 3KV	
Wire cross-section [AWG]	min: 24	max: 16



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The image shows the MKC aNet Vario module, a white rectangular device. On the top surface, there are four green RJ45 ports labeled ETH0, ETH1, ETH2, and ETH3. The front panel features the MKC aNet Vario logo, a green status LED, and several status LEDs labeled LED0, LED1, LED2, and PWR. It also has three USB ports labeled USB0, USB1, and USB2, and a microSD card slot. The Ethernet ports are labeled ETH0 / PoE, ETH1, and ETH2.

CONTROLLER
LINUX
NODE RED

A close-up photograph of a black, rectangular MKC Ethernet module. The module features a standard RJ45 port on its front face, which has yellow, green, and blue internal contacts visible. Below the port is a small circular screw hole. On the right side of the module, there is a white label with black text that reads: "MKC", "Modem & Network", "Ethernet Module", "Model: MKC-ETH-01", "Part No: MKC-ETH-01", "Rev: 1.0". The module is set against a solid light green background.

develop

assemble



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