eNetVario

- **Power supply 24V or directly via the network (PoE)**
- **HTTP, JSON, REST API, MQTT Broker and Node-RED**
- **Linux Debian Buster**
- **Standalone, no cloud registration**
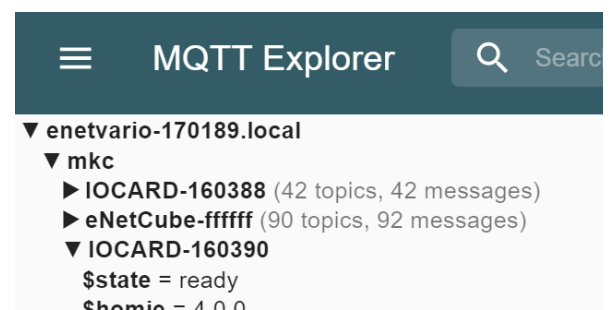- **Up to 24 galvanically isolated IOs**

eNetVario - The modular control center for industrial IoT applications

The **eNetVario** is the heart of modern automation and control systems. It acts as a central control unit for a wide range of applications in industry, building construction and mechanical engineering. Thanks to its modular design and the large number of integrated interfaces, the device can be flexibly integrated into existing system landscapes - **locally, networked and without cloud constraints**.

Communication diversity for modern network infrastructures

- **MQTT** (incl. pre-installed Mosquitto broker)
- **JSON-REST-API**
- **TCP/IP** über Ethernet (2x 10/100 Mbit)
- **USB**

The second Ethernet interface enables the separation of network segments and thus increases security. All connections are TLS-encrypted to ensure the highest data protection standards.

Energy-efficient thanks to Power over Ethernet (PoE)

Thanks to **IEEE802.3af** PoE, the eNetVario is supplied with power directly via the network cable - there is no need for a separate power supply. In combination with an uninterruptible power supply (UPS), the system remains reliably operational even in the event of a power failure. Alternatively, it can of course be operated with a conventional 24 volt power supply.

For more information, see
www.enetvario.com

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eNetVario...

Networked, secure and open

With two Ethernet ports, serial interfaces, USB and PoE (Power over Ethernet), the eNetVario is ideally equipped for the requirements of modern industrial and IoT environments:

- Local communication without cloud dependency
- Open system with **Debian Linux, Mosquitto-Broker** and **Node-RED**
- TLS encryption for all connections

Central intelligence & seamless system integration

The **eNetVario** is more than just a control center - it is the networked brain of your automation solution. The modular integration of **up to 24 analog and digital inputs and outputs** and powerful local signal processing make it suitable for demanding control tasks in distributed systems.

Thanks to its open architecture, the eNetVario communicates seamlessly with a wide range of other devices - both from **MKC's eNet series** and with products from other manufacturers:

- **eNetCube**, **eNetIO** and **eNetMini** can be seamlessly integrated and expand the system decentrally - via LAN, MQTT or REST.
- Devices from other manufacturers, such as sensors, actuators, gateways or cloud systems that support MQTT, Modbus TCP, REST-API or other open protocols, can be easily connected.

This makes the eNetVario a universal control platform - ideal for Industry 4.0, energy management, building automation or machine monitoring.

Customizable & Made in Germany

The eNetVario is developed and manufactured entirely in Wuppertal. MKC offers customization of the firmware, housing and user interface to perfectly adapt the device to your corporate identity and specific requirements.
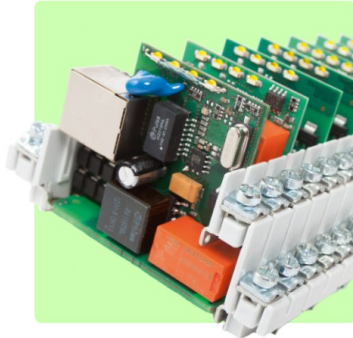
Your advantages at a glance

- Robust metal housing for top-hat rail or desktop mounting
- Pre-installed Debian Linux with Node-RED for easy programming
- Simple integration of additional devices such as eNetCube, eNetIO or eNetMini
- Direct operation in the local network without the need for a cloud or app
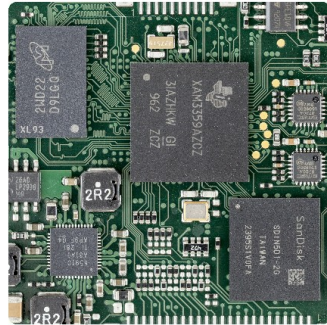- Long-term availability and fast response times thanks to local production

For more information, see
www.enetvario.com

MKC

eNetVario...

SYSTEMS DEVICES PROTOTYPES

HARDWARE SOFTWARE DEVELOPMENT

ASSEMBLY SMD / THT AOI

COMPETENCE QUALITY SERVICE

CONTROLLER LINUX NODE RED

EMBEDDED MODULES SENSORS

REMOTE IO REST / MQTT POE

test

develop

assemble

Further information on our products and services can be found at
www.mkc-gmbh.com

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