



The eNetCube-01-01-01 provides you with two galvanically isolated inputs in a waterproof housing. It works both standalone and integrated in control systems in industry or in the home user area (e.g. openHAB, **Node-RED**).

The eNetCube is a standalone part of a whole series, for connecting different sensors and actuators for industrial applications and the home 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.



Further information can be found at
www.enetcube.com



Case

- Robust and compact enclosure
- Mounting:
 - Top-hat rail mounting according to EN 60715
 - Tripod thread 1/4"-20 UNC
 - Stand

Galvanic isolation

- 3KV digitaler Eingang ↔ Gerät
- Trennstrecke zwischen einzelnen Klemmen und Gerät jeweils $\geq 3\text{mm}$

Communication interface

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

Other interfaces

- 2 RGB LEDs controllable with PWM

Power supply

- PowerOverEthernet IEEE 802.3af

2x digital outputs

- Relay, make contact for 0 to 250V
- Configurable as mono/bistable switch
 - Contact life (VDE0660, VDE 0631, UL 508)
 - 1×10^5 at 6A and 250V~
 - 5×10^5 at 6A (resistive) and 30V=
 - 3×10^6 at 0.3A (L/R=40ms) and 50V=
- LED status display

Circular connector

- Lumberg 0314 04
- Mating connector available separately
 - e.g. Lumberg 0321 04

Technische Daten

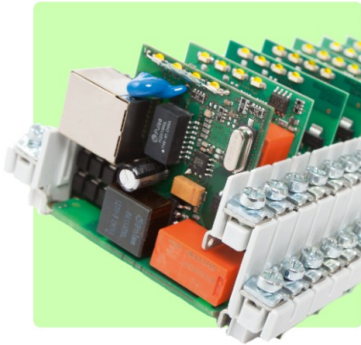
Dimensions LxWxH [mm]	91 x 47,2 x 42	
Ambient temperature [°C]		
- Operation	min: 0	max: 50
- Storage	min: -40	max: 80
Air humidity [% r.H.]	min: 0	max: 90
Power supply		
- Network PoE	IEEE802.3af, Class 0	
- Voltage [V]	min: 18	max: 48
- power consumption [W]	typ: 0,5	max: 3,84
Digital Outputs		
Quantity	2	
Contacts	Output 1 is on contact 1 and 2 Output 2 is on contact 3 and 4	
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 with 6A & 250V~ - 5x10 ⁵ with 6A (resistive) & 30V= - 3x10 ⁶ with 0,3A (L/R=40ms) & 50V=	



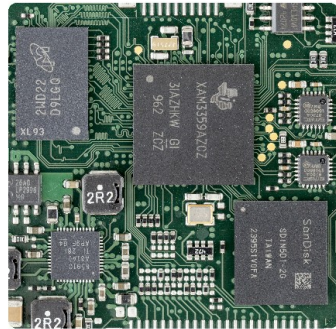
Further information can be found at
www.enetcube.com



SYSTEMS
DEVICES
PROTOTYPES



HARDWARE
SOFTWARE
DEVELOPMENT

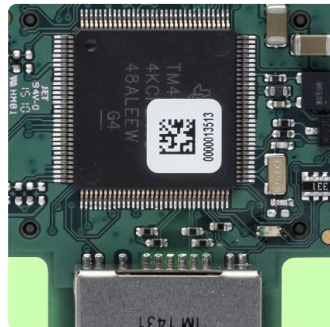


develop

test

assemble

ASSEMBLY
SMD / THT
AOI



COMPETENCE
QUALITY
SERVICE

CONTROLLER
LINUX
NODE RED

EMBEDDED
MODULES
SENSORS

REMOTE IO
REST / MQTT
POE



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

MKC Michels & Kleberhoff Computer GmbH
42329 Wuppertal, Vohwinkeler Str. 58
Tel.: 0202 / 27317-0, Fax: 0202 / 27317-49
info@mkc-gmbh.de