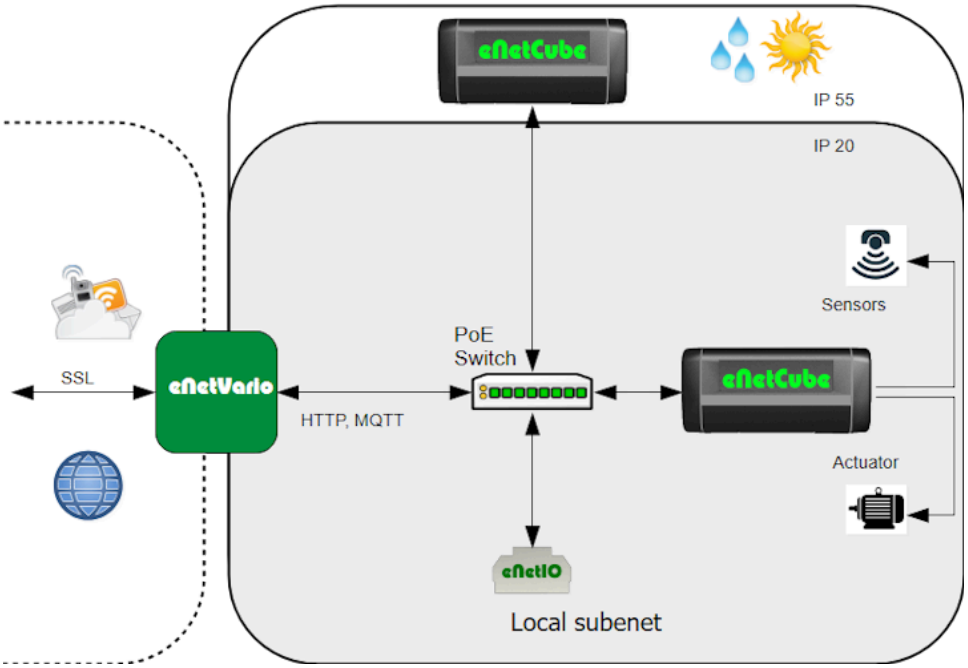
eNetCube-03-02-03 IP55 Datasheet

The **eNetCube-03-02-03 IP55** combines a **magnet sensor** and a **motion sensor with a passive infrared sensing** in a compact housing. This makes it ideal for applications such as **securing doors and windows or detecting movement in rooms and areas**.

Like all devices in the **eNetCube-series**, it can be operated either as a **standalone** unit or integrated into **control systems** - from industrial environments right through to smart home solutions (e.g. openHAB or Node-RED).

The integrated **network interface** handles both **communication** (HTTP, JSON REST-API, MQTT) and **power supply via PoE**. All system-relevant parameters can be convenniently configured in a web browser via the built-in **HTTP-Server**.

All software interfaces are consistently based on **open standards**. This means that the devices can be operated directly within the existing environment without the need for **registration, an app or a cloud connection** - ensuring **maximum data security and full control**.



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07/2026

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Case

- Robust and compact enclosure
- Mounting:
  - Top-hat rail mounting according to EN 60715
  - Tripod thread 1/4”-20
  - Stand
- IP code: IP55

Communication Interface

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

Other Interfaces

- 2 RGB-LEDs controllable with PWM

Power supply

- Power over Ethernet IEEE 802.3af

Sensors

- Magnet switch
- Motion sensor

Technical Data

Dimensions LxWxH [mm]	91 x 47.2 x 41	
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
Magnet Switch		
Sensitivity [AT]	min: 10	max: 15
PIR Motion Sensor		

Aperture angle [°]	± 45
Maximal distance [m]	5

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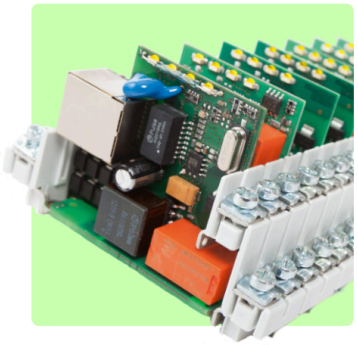
SYSTEMS
DEVICES
PROTOTYPES

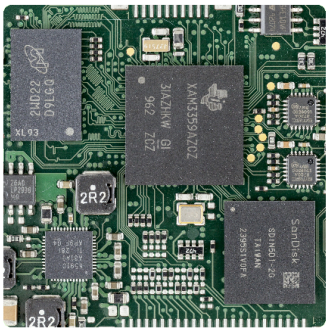


develop

test

assemble

HARDWARE
SOFTWARE
DEVELOPMENT



ASSEMBLY
SMD / THT
AOI

COMPETENCE
QUALITY
SERVICE

CONTROLLER
LINUX
NODE RED

EMBEDDED
MODULES
SENSORS

REMOTE IO
REST / MQTT
POE

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