

- |                               |                                       |
|-------------------------------|---------------------------------------|
| 1 Serial port                 | 5 USB port 1                          |
| 2 Power supply                | 6 Expansion slots for plug-in modules |
| 3 Ethernet port 1 (10/100 Mb) | 7 SD Card slot                        |
| 4 Ethernet port 0 (10/100 Mb) |                                       |

**Funktionen | Functions**

Application	Gateway, HMI, PLC, secure router – all data intensive IIoT applications
OT Networks	All major protocols: PROFINET, EtherNet/IP, EtherCAT, POWERLINK, Modbus, DNP3, BACnet, etc.
Data Communication	OPC UA standard (pub/sub over TSN)
Cloud Connectivity	Node-RED, Bluemix, Azure, AWS, Docker
Operating System	Linux RT
Security	HTTPS, TLS

**System | System Resources**

Prozessor   CPU	ARM Cortex-A8 Single Core 1 GHz
Operating System	Linux RT
Flash	4 GB
RAM	512 MB
Real Time Clock, RTC Back-up, Buzzer	Ja   Yes

**Schnittstellen | Interface**

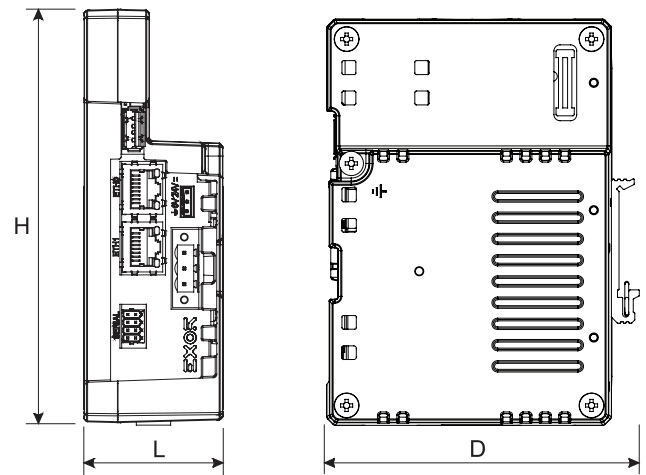
Ethernet (RJ45)	2 Ports 10/100 Mbits
USB	1 x 2.0 Host Port
Serielle Schnittstelle   Serial port	1 x RS-232/422/485 (software configurable)
SD Card	Ja   Yes
Erweiterung	1 slot for Plug-in-Module

**Stromversorgung | Ratings**

Spannungsversorgung   Power supply	24 VDC (10 bis/to 32 VDC)
max. Leistungsaufnahme   Current Consumption	0.35 A bei/at 24 VDC (max.)
Überspannungsschutz   Input Protection	Electronic
Batterie   Battery	Ja   Yes

**Umweltbedingungen | Environment Conditions**

Operating temperature	-20 °C bis/to +60 °C
Plug-in-Module/USB	max. +50 °C
Storage temperature	-20 °C bis/to +70 °C
Operating/Storage Humidity	5 % to 85 % RH, non condensing
IP	IP20


**Maße und Gewicht | Dimensions and Weights**

Gesamt   Faceplate (L x H)	45 x 134 mm (1.77 x 5.27")
Tiefe   Depth (D + T)	102 mm (4.01")
Gewicht   Weight	0.6 kg
Bauform   Mounting	TS35 DIN Rail

**Zulassungen | Approvals**

CE	Emission EN 61000-6-4 Immunity, EN 61000-6-2 for installation in industrial environments, Emission EN 61000-6-3, Immunity EN 61000-6-1 for installation in residential environments, EN 60945, EMC Emissions and Immunity for marine applications
UL	cULus: UL61010-1 / UL61010-2-201
UL	cULus: Class 1 Div 2
IECEx	Zone 2: Ex nA IIC T5 Gc
ATEX	Zone 2: II 3 G Ex nA IIC T5 Gc
DNV-GL	Ja   Yes
RCM	Ja   Yes