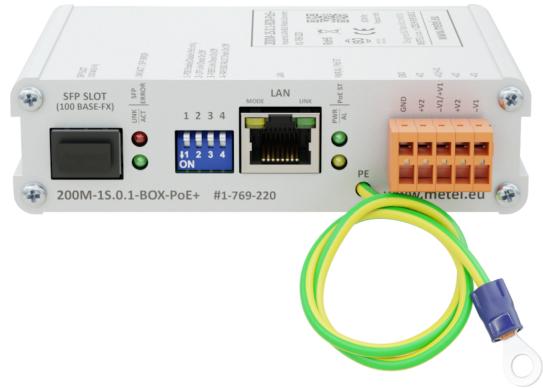


200M-1S.0.1-BOX

- Bus topology / star
- SFP slot with 100BASE-X support
- PoE+ support (PoE+ version)
- FAR END FAULT support
- Support for JUMBO packets
- Overvoltage protection up to 1000A (8/20µs)
- Operating temperature from -40°C to $+70^{\circ}\text{C}$



The 200M Series industrial media converters are designed for reliable conversion from 100 BaseTx metallic Ethernet to 100Base-LX/BX optical fiber. The converters support the transmission of jumbo frames over 10k bytes in length. All models are designed for use in the harshest environments with an extended operating temperature range of -40 to 70°C . In addition, all FE ports are protected against overvoltages up to 1 kA at 8/20 μs . The PoE models provide up to 30W PoE for end devices with the ability to configure automatic PoE restart in the event of end device PoE unavailability.

The devices are developed and manufactured in the EU and are NDAA compliant.

Available models

Order name	Order code
200M-1S.0.1-BOX	1-770-220
200M-1S.0.1-BOX-PoE+	1-769-220

Technical parameters

SFP SLOT	
Supported formats	100 BASE-FX
Count	1
FAST ETHERNET	
Count	1
Supported formats	100BASE-TX
Surge protection	1000 A waveform 8/20 µs
Connector	RJ45
POWER	
Surge protection	600 W waveform 10/1000 µs
Count	2
Connector	WAGO 734-205
Without PoE	10 - 30 VAC / 10 - 60 VDC
With PoE up to 15.4 W	48 - 57 VDC
With PoE up to 30 W	52 - 57 VDC
Power consumption	Max. 2.5 W
PoE (only with PoE)	
PoE port count	1
Maximum power / port	30 W
Standard	IEEE 802.3af/at
ENVIRONMENT	
Operating temperature	-40...+70 °C
Storage temperature	-40...+70 °C
Humidity	Max. 95 %
MECHANICS	
Weight	0,22 kg
Dimensions - h / w / d	33 x 110 x 91 mm

Standards and protocols

Standard	Note
IEEE 802.3u	100BASE-TX, 100BASE-FX

EMC and safety

Standard	Level	Note
EN 55032		EMC of multimedia devices - emission requirements
EN 55035		EMC of multimedia devices - immunity requirements
EN 62368-1		Safety requirements of Information technology equipment
EN IEC 63000		The Assessment Of Electrical And Electronic Products With Respect To The ROHS
EN 61000-6-2		Immunity - industrial environment
EN 61000-4-2	8 kV	Air discharge
EN 61000-4-2	4 kV	Contact discharge
EN 61000-4-3	10 V/m	Radiated HF field
EN 61000-4-4	1 kV	Bursty
EN 61000-4-5	1 kV	Shock impulses
EN 61000-4-6	10 V	Resistance to HF field induced line disturbances
EN 61000-4-8	30 A/m	Magnetic field
EN 61000-4-11		Short-term power dips and outages
EN 61643-21		Surge protectors in telecommunication and signalling networks
EN 50121-4 ed.4		Railway applications - EMC Emission and immunity of signalling and communication equipment

Notes

- The manufacturer reserves the right to change technical parameters without prior notice.

Document created on 02/09/2026 10:07PM:11

Dimensions
