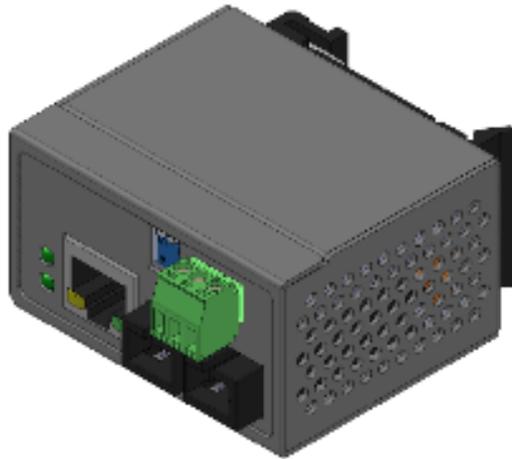


Data Sheet

GbE Industrial Entry Line Micro Bridge PoE+



Overview

- True Mini, rugged design enclosure
- Supports 48V...56VDC
- Supports Link Fault Pass through (LFP) function
- Supports switch mode and converter mode.
- Surge protection diodes on power input.
- ESD protection diodes on RJ-45 port
- Provides Far End Fault function on FX port.
- Provides increased Noise Immunity
- Extended operating temperature -40°C to 75°C

Technical Specifications

Switch

Type	GbE Industrial Entry Line Micro Bridge PoE+PSE IEEE 802.3 compliant
Performance	Store-and-forward
Switching Capacity	4 Gbps
Packet Buffer	512 Kbits
MAC addresses	1 K
Jumbo Frames	max. 16 KBytes

Twisted-Pair Port

Number	1
Type	Gigabit Ethernet, Triple Speed 10/100/1000Base-T
Connector	RJ-45 port, shielded
Cable type	Twisted-Pair cable, Category 5e, impedance 100 Ohm, length max. 100 m
Flow Control	IEEE 802.3x
Pin out	Auto MDI/MDI-X, Auto Polarity
Power-over-Ethernet	Power Sourcing Equipment (PSE) IEEE 802.3af/at, max. 30 W
Total PoE Power	30 W

Fiber Port (SFP slots)

Number	1
Type	1/10 Gigabit Ethernet SFP+ slot, support of SFP digital diagnostics function
Connector	LC (SFP transceiver)
Flow Control	IEEE 802.3x

LED displays

RJ-45 Port LED	Green on: Link Flashing: TX data transmitting Amber on: PSE active and PD detected Flashing: PSE is detecting PSE
Device LEDs	Green on: power detected Green off: no power Green on: FX port is detected Flashing: FX data is transmitting/receiving

Dip Switches

Dip 1	Link Fault Pass Through (LFP)
Dip 2	Reserved

Power Supply

Input	48..56 VDC (54 VDC typ.)
Power Consumption	< 2 W (without PoE) max. 32W with PoE @56 VDC
Connectors	3 pin screw connector AWG 12...24 / 14...22 mm ² Wire strip length 7 mm

Environmental Conditions

Temperature	Operation	-40..+75 °C
	Storage	-40..+85 °C
Humidity	5..95%, non-condensing	

Mechanic

Dimensions	59 x 50 x 36 mm (W x D x H, without connectors)	
Material	Metal	
IP Grade	IP30	
Mounting	DIN-rail or wall mounting	

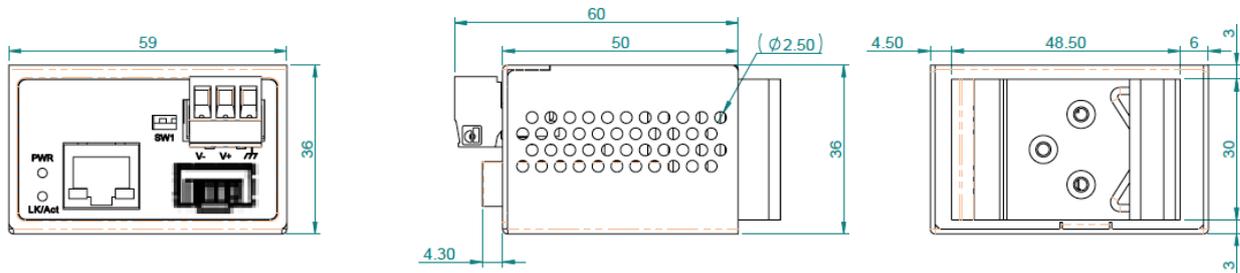
Reliability

MTBF	>500.000 hrs @50°C (Telcordia / Bellcore, GB)
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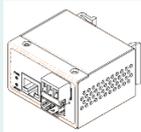
Standards

CE	2014/30/EU (EMC) 2014/35/EU (Low voltage) 2011/65/EU (RoHS)
Safety	EN 62368-1
Emitted interference	EN 55032
Immunity	EN 55024
Surge Immunity	2 kV (IEC 61000-4-5)
ESD Immunity	6 kV (contact discharge, 8 kV air discharge (IEC 6100-4-2))
Vibration	EN 60068-2-6
Shock	EN 60068-2-27
Free fall	EN 60068-2-32
Ethernet	IEEE 802.3 IEEE 802.3u (100Base-TX) IEEE802.3ab (1000Base-T) IEEE 802.3z (1000Base-X) IEEE 802.3x (flow control) IEEE 802.3af/at (PoE/PoE+)

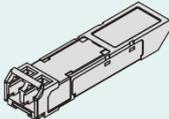
Dimensions



Order Information

	Description	Article No.:
	Industrial 10 Gigabit Ethernet L2/L3 Switch	
	GbE Industrial Entry Line Micro Bridge PoE+ 1x 100/1000X SFP-Slot, 1x 10/100/1000T PoE+, DIN-Rail, -40..+75°C, 18..56VDC	MS657098PX

Accessories

	Description	Article No.:
	Low Power Consumption SFP 1G Transceiver	
	LPC SFP GbE Transceiver 1.25G SX Multimode 850nm, DDM, LC, -40..+85°C	MS100200DX-V2
	LPC SFP GbE Transceiver 1.25G LX SingleMode 1310nm, 10km, DDM, LC, -40..+85°C	MS100210DX-V2

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