

Datasheet

MICROSENS

Gigabit Ethernet PoE Bridge



Features

Power-over-Ethernet (PSE)

- Wire pairs PoE 1,2 und 3,6 (inline Power)
- Fully compatible to IEEE 802.3af

Ports

- 1x 1000Base-X SFP (SFP not in scope of delivery)
- 1x 10/100/1000Base-T (Data and PoE (PSE)) full cable length upto 100m
- 1x Power Supply (52 V DC)

Housing

- Compact desktop housing, metal
- Low weight

Power supply

Input 1x 52 V DC (0.46A) via external plug-in power supply (included in delivery)

Networkmanagement

- No Networkmanagement
- Commissioning: Plug-and-Play

Technical Details

Injector

Type	Gigabit Ethernet PoE Bridge
Environment	
Operation	0..+60 °C
Humidity	5 ..90%, non condensing
Storage	-20..+70 °C

LWL Port

Quantity	1
Type	1000Base-X SFP Slot
Connection	SFP, typical LC
Cable Type	Depending on SFP (SM / MM / BiDi)

TP Port (PoE)

Quantity	1 (Data and PoE)
Type	Gigabit Ethernet, Triple Speed 10/100/1000Base-T, PoE
Connection	RJ-45 socket, shielded
Cable type	Shielded Twisted-Pair cable, Cat. 5, Impedance 100 Ohm,

LED-Displays

Speed 1000M	<i>On</i>	RJ-45 1.000Mbit/s
Speed 100M	<i>On</i>	RJ-45 100Mbit/s
Lnk/Act FX	<i>On</i>	FO Link active <i>blinking</i> Data activity
Lnk/Act TX	<i>On</i>	RJ-45 Link active <i>blinking</i> Data activity
PWR	<i>On</i>	Ready for operation
PSE	<i>On</i>	PD detected

Power Supply

Connection	DC jack socket, external plug-in power supply 52 V DC (max. 460mA), incl. in scope of delivery
Range	100..230 VAC, 50..60 Hz
Consumption	Max. 3 W (230 VAC), excl. PoE
Grounding (PE)	Via 3-pin power supply

Power-over-Ethernet

Type	PSE – Power Source Equipment for the supply of end devices
Output	max. 15,4 W
Assignment	Ethernet-PINs: 1,2,3,4,5,6,7,8 PoE-Pins: 1,2 (V+) and 3,6 (V-)

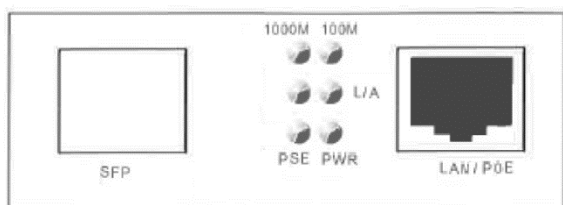
Mechanical

Dimensions	70 x 26 x 94mm (B x H x T)
Housing	Metal

Standards

Ethernet	802.3 10Base-T 802.3u 100Base-TX 802.3ab 1000Base-T 802.3z 1000Base-X 802.3af Power-over-Ethernet
-----------------	---

Layout



Front View




Rear View

Order Information

Gigabit Ethernet PoE Bridge

	Description	Art.-No.
	Gigabit Ethernet PoE Bridge, max. 15,4 W 1x RJ-45 10/100/1000Base-T, IEEE802.3af 1x 1000Base-X (SFP-Slot) incl. power supply	MS400249P
	Alternative Models	
	Gigabit Ethernet Bridge 1x RJ-45 10/100/1000Base-T 1x 1000Base-X (SFP-Slot) incl. Power supply	MS400249
	Industrial Gigabit Ethernet PoE+ Bridge, max. 30 W 1x RJ-45 10/100/1000Base-T, IEEE802.3af/at 1x 100/1000Base-X (SFP-Slot) Power supply 2x 44..56 VDC, redundant Operating temperature -40..+75 °C	MS657099PX

Accessories

	Description	Art.-No.
	SFP Transceiver (other models available on request)	
	SFP Transceiver, Gigabit Ethernet 850 nm Multimode, 1000Base-SX, LC duplex	MS100200
	SFP Transceiver, Gigabit Ethernet 1310 nm Singlemode, 1000Base-LX, LC duplex	MS100210
	SFP Transceiver BiDi, Gigabit Ethernet TX: 1310 nm, RX: 1550 nm Singlemode, 1000Base-LX, LC duplex	MS100221A
SFP Transceiver BiDi, Gigabit Ethernet TX: 1550 nm, RX: 1310 nm Singlemode, 1000Base-LX, LC duplex	MS100221B	

This document in whole or in part may not be duplicated, reproduced, stored or retransmitted without prior written permission of MICROSENS GmbH & Co. KG. All information in this document is provided 'as is' and subject to change without notice. MICROSENS GmbH & Co. KG disclaims any liability for the correctness, completeness or quality of the information provided, fitness for a particular purpose or consecutive damage. MICROSENS is a trademark of MICROSENS GmbH & Co. KG. Any product names mentioned herein may be trademarks and/or registered trademarks of their respective companies. PK48/16 translated – fdb 4220