

Datasheet

MICROSENS 10G Desktop Mediaconverter



General

With the 10G desktop media converter MICROSENS is able to offer a product portfolio of media converters for up to 10G Ethernet. This device is used for the conversion from TP to fiber optic and can be used for these standards

- Gigabit Ethernet (1000Base-T / 1000Base-X)
- 2.5G Ethernet (2.5GBase-T / 2.5GBase-X)
- 5G Ethernet (5GBase-T / 5GBase-R)
- 10 Gigabit Ethernet (10G-Base-T / 10GBase-R)

without requiring a corresponding speed adjustment (electrical/optical).

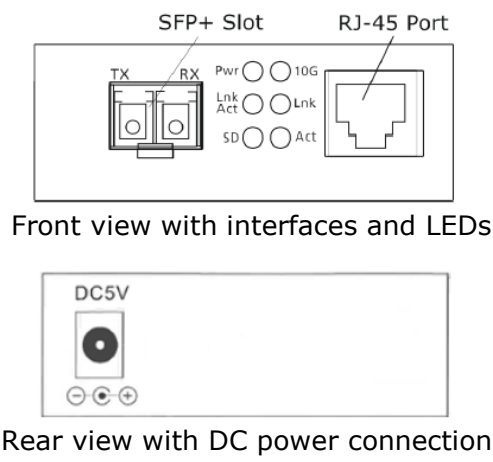
The copper interface is designed in the form of an RJ-45 socket. On the FO side, the media converter has an SFP or SFP+ slot, which is equipped with a suitable SFP or SFP+ transceiver. This enables a cost-efficient connection and conversion in the range of multimode, but also single mode up to xWDM.

The power supply is provided by a plug-in power supply (110..230 VAC / 5 VDC) and is included in the scope of delivery. Optionally, the device can also be supplied with power via USB (5V) using a suitable cable (USB-A, cable not included).

Technical Details

Type	10G Desktop Mediaconverter, fanless
Operating modes (automatic)	1000Base-T <-> 1000Base-X 2.5GBase-T <-> 2500Base-X 5GBase-T <-> 5GBase-R 10GBase-T <-> 10GBase-R
Interface TP	1000Base-T, 2.5/5/10GBase-T, autonegotiation and autocrossing
Requirements TP	Cat. 5 UTP/STP for 1000Base-T (max. 100 m) Cat. 5e UTP/STP for 2.5/5GBase-T (max. 50 m) Cat. 6e UTP/STP for 10GBase-T (max. 50 m)
Fiber Type (depending on Transceiver)	Multimode 50 resp.. 62.5/125 µm, Single Mode 9/125 µm, duplex / simplex
Interface FO	SFP / SFP+-Slot (Transceiver typically: LC)
Power Supply	5 V DC / max. 1 A via external power supply (included in delivery)
Operating temp.	0..55 °C
Humidity	5 % bis 80 % non condensing
Dimensions	27 x 71x 94 mm (H x W x D)

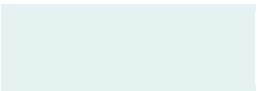
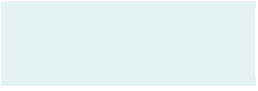
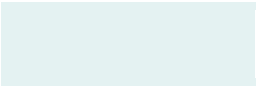


Connections / LEDs



Connections / LEDs

LED	Status	Function
PWR	on	Ready for operation
SD	on	Fiber optic signal detected
Lnk	on	Connection established
Lnk Act	Blinking	Data transfer active
10G	on	TP port in 10G mode

Order Information

Description		Art.-No.
	10GbE Desktop Mediaconverter SFP+ 1x 1G/2.5G/5G/10GBase-X SFP+-Slot, 1x 1G/2.5G/5G/10GBase-T, ext.PS (110/230 V AC)	MS400289
Alternativ Mediaconverter / Bridges		
	GbE Desktop Bridging Converter SFP 1x 1000X SFP-Slot, 1x 10/100/1000T, ext. PS (110/230 V AC)	MS400249
	FE Desktop Bridging Converter 1x 100FX SC/MM, 1x 10/100TX, ext. PS (110/230 V AC)	MS400210
Accessories		Art.-No.
	SFP+ 10 Gigabit Transceiver (further models available on request)	
	SFP+ Transceiver, 10 GBE, 5.1 dB, 300 m, 850 nm Multimode, LC duplex	MS100700D
	SFP Transceiver, 10 GBE, 8.4 dB, 10 km, 1310 nm single mode, LC duplex	MS100702D
	SFP Gigabit Transceiver (further models available on request)	
	SFP Transceiver, Gigabit Ethernet, 850 nm Multimode, 1000Base-SX, LC duplex	MS100200
	SFP Transceiver, Gigabit Ethernet, 1310 nm Single Mode, 1000Base-LX, LC duplex	MS100210
	USB Power supply cable, 1,8 m, USB- to DC	MS190060-1,8

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. 06/2019 pk/mr - Translated 4220 fdb