

# PC-MC102-E-BIB-S Engl

Industrial Mediakonverter for 10/100BaseTX and 100BaseFX

- Fixed optical connection with 100FX for a single-mode fiber, SC connector
- 2 Copper ports 10/100TX
- Compact and robust design
- Extended temperature range -40 to 75°C
- Powersupply 12-56VDC



This industrial media converter was specially developed for applications with high data loads, such as video over IP and video streaming. The compact design, wide temperature range and high flexibility make this media converter ideal for remote locations. The media converter has one fixed optical port and two copper ports with 10/100TX. The supplied mounting accessories allow the media converter to be easily mounted on a top-hat rail or on a wall.

## More information

Special features	<p>LFP (Link Fault Protection) available This function can be switched on or off using a DIP switch. When LFP is active, the relay contact is closed when a connection, copper or fiber optic, drops out. At the same time, the link on the other port, fiber optic or copper, is also switched off. In this way, the fault can also be detected from the remote end.</p>
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## Technical data

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### General properties

supply voltage	12-56VDC, Screw terminal
power consumption	Max. 3W
MTBF	
operating temperature	-40° to +75°C
dimensions	32 x 104 x 83mm (BxHxT) without plug
weight	0.320kg

### interfaces

copper ports	2 x 10/100BaseTX, RJ45
optical fibre ports	1x100BaseFX, 1 fiber singlemode, SC simplex connector Transmit wavelength: 1550nm (WDM-B) Receive wavelength: 1310nm (WDM-A) Range approx. 15km
closure contact	Relay contact for link fail alarm. potential-free, NO Max. 1A, 24VDC



## network properties

PoE Management	The device does not support PoE.
standards	802.3 10BaseT 802.3u 100BaseT(X) und 100BaseFX 802.3x Flow Control and Back Pressure EN55032/24, ITE Equipment EN60950-1, Sicherheit EN5011, Industrielle, wissenschaftliche und medizinische Ausrüstung EN50121-3-2, Bahnanwendungen, Rollmaterial, Part 3-2, elektromagnetische Verträglichkeit EN50121-4, Bahnanwendungen, Rollmaterial, Part 4, Strahlung und Empfindlichkeit für Signale und Telekommunikation EN50155, Elektronische Ausrüstung in Rollmaterial für Bahn EN50155 / EN60068-2-6, Vibration EN50155 / EN60068-2-27, Schock EN50155 / EN600-2-32 Freier Fall

## Product variants

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### PC-MC102-E-BIB-S

Media converter 2 x 10/100BaseTX to 1 x 100FX, single mode, WDM-B  
For wall or DIN rail mounting



### Montagezubehör

Mounting accessories supplied for wall and top-hat rail mounting

*Version 03.09.2024, Changes without notice*