

# PC-BTPMC101-10GE en

Industrial media converter 1G/10GBaseTX to SFP with PoE++

- DIN-rail and wall mounting
- Copper port: 1G/10G, RJ45
- Copper port with PoE up to PoE++ 90W
- F.O. port: 1G/10GSFP
- LFP (Link Fault Pass Through)
- Power: 48-56VDC, redundant
- Wide temperature range



This industrial media converter was specially developed for applications with high data loads, such as video over IP or video streaming. The high possible PoE power of 90W makes this media converter suitable for cameras with high power requirements. The compact design, the wide temperature range and the high flexibility make this media converter ideal for remote locations. The media converter has one optical SFP port and one copper port with 1G/10GTX, supporting PoE 802.3af/at/bt up to 90W. The included mounting accessories make it easy to mount the media converter on a DIN rail or wall.

## More information

---

### Spezielle Eigenschaften

LFP (Link Fault Pass Through) can be switched on and off by dip switch.

For stable use of this function, a suitable media converter of the PC series must also be used on the opposite side.



## Technical data

---

### General properties

supply voltage	12-56VDC without PoE 48-56VDC with PoE 52-56VDC with PoE++ (from 30W) Redundant supply possible
power consumption	Max. 4W, without PoE
MTBF	
operating temperature	-40°C to +75°C
dimensions	104 x 32 x 82mm (HxWxL), all dimensions without connectors

### interfaces

copper ports	1 x 1G/10G TX with PoE++, RJ45 PoE according to IEEE802.3af, at and bt, max. 90W
Transmission distance	Copper port Data rate 1G: max. 100m, cable min. Cat5 or better Data rate 10G: max. 50m, cable min. Cat6a or better  Fibre optic port Depending on SFP
optical fibre ports	1 x 1G/10G BaseFX with SFP/SFP+ LC duplex or simplex depending on SFP  We recommend the use of our barox SFPs. We do not test or guarantee the compatibility of our devices with SFPs of other manufacturers.
uplink ports	1 x 1G/10G SFP/SFP+



## network properties

PoE Management	
security	FCC Class A, CE
standards	802.3, 10Base-T Ethernet 802.3u, 100BaseTX und 100BaseFX Fast Ethernet 802.3ab 1000BaseTX, Gigabit Ethernet EN55022/24, ITE Equipment EN60950-1, Sicherheit EN50155 / EN60068-2-6, Vibration EN50155 / EN60068-2-27, Schock EN50155 / EN600-2-32 Freier Fall IEC 61000-4-2 ESD: Contact: 6KV; Air: 8KV IEC 61000-4-4 EFT: Power: 2KV; Signal: 2KV IEC 61000-4-5 Surge: Power: 2KV; Signal: 2KV



## Product variants

---

**PC-BTPMC101-10GE**

Without SFP  
Without power supply  
PoE, PoE+ and PoE++ up to 90W

---

**Mounting accessories  
incl.**

---

*Version 21.06.2021, Changes without notice*