

## PC-PMC102-E

Industrial media converter for 10/100BaseTX  
with PoE+ and 100BaseFX

- Fix optical ports 100FX for multimode or singlemode fibres
- 2 copper ports 10/100TX/ 10/100TX, depending on type, 1 or 2 thereof with PoE
- Compact and robust
- Enlarged operation temperature
- Supply 9-56VDC or 44-56VCD



This industrial media converter was specially developed for applications with high data loads, such as video over IP, video streaming. The compact design, the wide temperature range and the 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. Depending on the type, one or two of the copper ports support PoE 802.3af/at and partly also PoE++ (60W). The media converter can be easily mounted on a DIN rail or on a wall using the supplied mounting accessories.



## Technical data

---

### General properties

|                       |                                                            |
|-----------------------|------------------------------------------------------------|
| supply voltage        | 9-56VDC in use without PoE<br>44-56VDC in unse without PoE |
| power consumption     | 2W without PoE                                             |
| MTBF                  |                                                            |
| operating temperature | -40° to +75°C                                              |
| dimensions            | 32 x 104 x 83mm (Width x Height x Depth) without plug      |

### interfaces

|                     |                                                                  |
|---------------------|------------------------------------------------------------------|
| copper ports        | 1x10/100BaseTX, RJ45<br>1x10/100BaseTX with PoE+, or PoE++, RJ45 |
| optical fibre ports | 1x100BaseFX, SC-duplex plug<br>ST plug upon request              |

### network properties

|                |                                                                                                                                                                                                                                                                                   |
|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PoE Management |                                                                                                                                                                                                                                                                                   |
| standards      | 802.3 10BaseT<br><br>802.3u 100BaseT(X) and 100BaseFX<br><br>802.3x flow control and back Pressure<br><br>EN55032/24, ITE Equipment<br><br>EN60950-1, security<br><br>EN50155 / EN60068-2-6, vibration<br><br>EN50155 / EN60068-2-27, shock<br><br>EN50155 / EN600-2-32 free fall |

## Product variants

---



|                         |                                                                                                                                                                                                                  |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>PC-PMC102-E-SC</b>   | <p>Both RJ45-ports support PoE<br/>PoE performance max. 30W per port</p> <p>Fix optic: 100BaseFX- multimode, SC-duplex, 1310nm,<br/>max. distance 2km</p> <p>Without supply</p> <p>Mounting devices included</p> |
| <b>PC-PMC102-E-SC-S</b> | <p>Both RJ45-ports support PoE<br/>PoE performance max. 30W</p> <p>Fix optic: 100BaseFX- singlemode, SC-duplex, 1310nm,<br/>max. distance 30km</p> <p>Without supply</p> <p>Mounting devices included</p>        |
| <b>PC-HPMC102E-CM</b>   | <p>Only one port support PoE<br/>PoE performance max. 60W</p> <p>Fix optic: 100BaseFX- multimode, SC-duplex, 1310nm,<br/>max. distance 2km</p> <p>Without supply</p> <p>Mounting devices included</p>            |
| <b>PC-HPMC102E-CS</b>   | <p>Only one port support PoE<br/>PoE performance max. 60W</p> <p>Fix optic: 100BaseFX- singlemode, SC-duplex, 1310nm,<br/>max. distance 30km</p> <p>Without supply</p> <p>Mounting devices included</p>          |
| <b>Montagezubehör</b>   | <p>Included devices for wall- and DIN-rail mounting</p>                                                                                                                                                          |



*Version 25.03.2021, Changes without notice*

barox Kommunikation AG  
Im Grund 15  
CH-5405 Baden-Dättwil  
T.: +41 56 210 45 20

[www.barox.ch](http://www.barox.ch)  
[www.barox.de](http://www.barox.de)  
[www.barox.at](http://www.barox.at)

barox Kommunikation AG  
Weiler Strasse 7  
D-79540 Lörrach  
T.: +49 7621 5500 281