

## PC-INJ-Series

Industrial PoE-Injector 10/100/1000BaseTX for PoE, PoE+ and PoE++

- DIN rail or table mounting
- 2 copper ports 10/100/1000, RJ45
- PoE, PoE+ and PoE++ depending on type
- Power supply: 48-56VDC / 12-56VDC, redundant
- Extended temperature range



These industrial PoE injectors have been specially developed for applications in harsh environments. The compact and robust design and the wide temperature range make these PoE injectors ideal for remote locations. The injectors have two copper ports with 10/100/1000TX. One of the ports supports, depending on type PoE according to IEEE802.3af, PoE+ according to IEEE802.3at and PoE++ according to IEEE802.3bt with 60 or 95W. The media converter can be easily mounted on a DIN rail or on a wall using the supplied mounting accessories.



## Technical data

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### General properties

|                       |   |
|-----------------------|---|
| supply voltage        | Power is supplied via a separate 48-56VDC power supply unit.<br>With PoE+ the supply voltage must be at least 50VDC<br>With PoE++ the supply voltage must be at least 52VDC<br>PC-INJ-30W-B: 12-56VDC, this type is equipped with a voltage booster<br>PC-INJ-60W-B: 24-56VDC, this type is equipped with a voltage booster<br><br>The power supply must be ordered separately. |
| power consumption     | 2W, without PoE   |
| MTBF                  |   |
| operating temperature | -40°C to +75°C  |
| dimensions            | 104 x 32 x 82mm (HxBxL), all measurements without plug  |

### interfaces

|              |   |
|--------------|---|
| copper ports | Port 1: data only<br>Port 2: 10/100/1000TX, RJ45<br>PoE:<br>Type PC-INJ-30W: PoE and PoE+, IEEE802af/at, only Mode A, max. 36W<br>Type PC-INJ-30W-B: PoE and PoE+, IEEE802af/at, only Mode A, max. 36W<br>Type PC-INJ-60W: PoE, PoE+ and PoE++ 60W, IEEE802.3af/at, Mode A and B, max 60W<br>Type PC-INJ-60W-B: PoE, PoE+ and PoE++ 60W, IEEE802.3af/at, Mode A and B, max 60W<br>Type PC-INJ-95-B: PoE, PoE+ and PoE++ 95W, IEEE802.3af/at, Mode A and B, max. 95W<br>Type PC-INJ-95-BT: PoE, PoE+ and PoE++ 90W, IEEE802.3af/at/bt, only Mode A, max. 90W |
|--------------|---|



## network properties

|                |   |
|----------------|---|
| PoE Management |   |
| security       | FCC Class A, CE   |
| standards      | 802.3, 10Base-T Ethernet<br>802.3u, 100BaseTX und 100BaseFX Fast Ethernet<br>802.3ab 1000BaseTX, Gigabit Ethernet<br>EN55022/24, ITE Equipment<br>EN50155, Electronic devices for railway applications<br>EN50121-3-2, Railway use, electromagnetic compatibility<br>EN50121-4, Railway use, electromagnetic compatibility<br>EN55011, ISM (Industrial, Scientific and Medical Equipment)<br>EN60950-1, Security<br>EN50155 / EN60068-2-6, Vibration<br>EN50155 / EN60068-2-27, Shock<br>EN50155 / EN600-2-32 Free Fall |



## Product variants

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|                     |   |
|---------------------|---|
| <b>PC-INJ-30W</b>   | PoE and PoE+, max. 36W<br>only Mode A   |
| <b>PC-INJ-30W-B</b> | PoE und PoE+, max. 36W<br>only Mode A<br>Power voltage: 12-56VDC  |
| <b>PC-INJ-60W</b>   | PoE, PoE+ and PoE++, max.60W<br>Mode A and Mode B   |
| <b>PC-INJ-60W-B</b> | PoE, PoE+ and PoE++, max.60W<br>Mode A and Mode B<br>Power voltage: 24-56VDC  |
| <b>PC-INJ-95-B</b>  | PoE, PoE+ and PoE++, max.95W<br>Mode A and Mode B<br>Power voltage: 24-56VDC<br>Suitable for Bosch MIC cameras with more than 60W |
| <b>PC-INJ-95-BT</b> | PoE, PoE+ and PoE++, max.90W<br>Supports IEEE802.3bt  |

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