



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

General properties

supply voltage	Power is supplied via a separate 48-56VDC power supply unit. With PoE+ the supply voltage must be at least 50VDC With PoE++ the supply voltage must be at least 52VDC PC-INJ-30W-B: 12-56VDC, this type is equipped with a voltage booster PC-INJ-60W-B: 24-56VDC, this type is equipped with a voltage booster The power supply must be ordered separately.
power consumption	2W, without PoE
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 Port 2: 10/100/1000TX, RJ45 PoE: Type PC-INJ-30W: PoE and PoE+, IEEE802af/at, only Mode A, max. 36W Type PC-INJ-30W-B: PoE and PoE+, IEEE802af/at, only Mode A, max. 36W Type PC-INJ-60W: PoE, PoE+ and PoE++ 60W, IEEE802.3af/at, Mode A and B, max 60W Type PC-INJ-60W-B: PoE, PoE+ and PoE++ 60W, IEEE802.3af/at, Mode A and B, max 60W Type PC-INJ-95-B: PoE, PoE+ and PoE++ 95W, IEEE802.3af/at, Mode A and B, max. 95W 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 802.3u, 100BaseTX und 100BaseFX Fast Ethernet 802.3ab 1000BaseTX, Gigabit Ethernet EN55022/24, ITE Equipment EN50155, Electronic devices for railway applications EN50121-3-2, Railway use, electromagnetic compatibility EN50121-4, Railway use, electromagnetic compatibility EN55011, ISM (Industrial, Scientific and Medical Equipment) EN60950-1, Security EN50155 / EN60068-2-6, Vibration EN50155 / EN60068-2-27, Shock EN50155 / EN600-2-32 Free Fall

Product variants



PC-INJ-30W

PoE and PoE+, max. 36W
only Mode A



PC-INJ-30W-B

PoE und PoE+, max. 36W
only Mode A
Power voltage: 12-56VDC



PC-INJ-60W

PoE, PoE+ and PoE++, max.60W
Mode A and Mode B



PC-INJ-60W-B

PoE, PoE+ and PoE++, max.60W
Mode A and Mode B
Power voltage: 24-56VDC



PC-INJ-95-B

PoE, PoE+ and PoE++, max.95W
Mode A and Mode B
Power voltage: 24-56VDC
Suitable for Bosch MIC cameras with more than 60W



PC-INJ-95-BT

PoE, PoE+ and PoE++, max.90W
Supports IEEE802.3bt

Version 24.01.2022, Changes without notice