

IEEE 802.3bt Power over Ethernet Mid-span Injector

Doc.210628

1. Product Overview

This device is a mid-span injector that can deliver output power up to 90W supporting 802.3bt Type 4, 802.3at Type 2, and 802.3af Type 1 PDs. The injector supports both Fast Ethernet connection and Gigabit Ethernet connection.

For no damage to the connected PD, the injector is featured with smart design to discover compliant PD. It shuts down the power immediately when an incompliant connection is discovered. For safety, many protections for conditions such as disconnection, overload, over-current, and short-circuit are also provided to secure your network installation.

It is an ideal mid-span injector that supplies reliable, uninterrupted power up to 90W to IP phones, 802.11 access points, pan-tilt-zoom cameras, and other Ethernet devices using existing LAN cable infrastructure.

2. Product Features

- IEEE 802.3bt Compliant
- Supports Fast Ethernet and Gigabit Ethernet
- Backward compatible with 802.3af and 802.3at-compliant PDs
- Delivers power output up to 90W
- Type 1 ~ Type 4 compliant PD discovery & classification
- Plug and play with no configuration required

3. Front Panel



4. Back Panel



5. LED Description

LED	Color	Status	Operation
Power	Green	On	The injector is powered on.
		Off	The injector is powered off.
Mode A	Green	On	Power delivery over pin 1, 2, 3, 6.
		Off	Power off on pin 1, 2, 3, 6.
Mode B	Green	On	Power delivery over pin 4, 5, 7, 8.
		Off	Power off on pin 4, 5, 7, 8.

6. Package Contents

The following items should be present in the product package:

- The Injector
- One Power cord

Make sure the package contains above items. If any listed item is damaged or missing, please contact your retailer immediately.

8. Technical Specifications

Specifications	
Standard	IEEE 802.3af, IEEE 802.3at, IEEE 802.3bt
In Jack	Shielded RJ-45, Ethernet, Fast Ethernet and GbE support, Cat.5, 5e, 6 support
Out Jack	Shielded RJ-45, Ethernet, Fast Ethernet and GbE support, 4-pair Cat.5, 5e, 6 support, Distance mid-span up to 100meters
Power over Ethernet	PSE pin 1/2/4/5 - Positive DC, Pin 3/6/7/8 - Negative DC Power delivery 90W max. at port output, Power output voltage: 56 VDC
Protection	Incompliant PD detection, Disconnection, Over-current, Short-circuit, Under voltage
LED Indicators	Power status, Power pair status
AC Power Input	IEC320 receptacle, Operating voltage range: +100 ~ 240VAC
Housing	Enclosed metal
Mounting Support	Wall mounting
Dimension	76.5 x 159 x 39 mm (W x D x H)
Temperature	Operating: 0° ~ 40°C, Storage: -20° ~ 70°C
Humidity	20% ~ 95% (non-condensing)
Approval	FCC Class A, VCCI Class A, CE mark Class A, EN62368-1 safety

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FCC NOTICE

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) This device must accept any interference received, including the interference that may cause undesired operation.

CE NOTICE

Marking by the symbol indicates compliance of this equipment to the EMC directive of the European Community. Such marking is indicative that this equipment meets or exceeds the following technical standards:

EN 55032:2015

EN 55035:2017

VCCI-A Notice

この装置は、クラスA機器です。この装置を住宅環境で使用すると電波妨害を引き起こすことがあります。この場合には使用者が適切な対策を講ずるよう要求されることがあります。

VCCI - A