Industrial 90W PoE Injector

Overview

Industrial 2-Port Multi-Gigabit 802.3bt PoE++ Injector (90W) with 12~57V DC input

This product is Industrial 90W PoE Injector.

This injector can upgrade an existing network infrastructure to IEEE802.3bt PoE++ network system without changing the existing Ethernet equipment.

The injector meets IEEE 802.3af/at/bt standard. The PoE output port can deliver up to 90W power. It supports 10/100/1000/2.5Gbps transmission rate, and the transmission distance is up to 100m. This product support relay function to alarm power supply break. It could provide a quick, safe and cost-effective 802.3bt PoE++ network solution for customers.

Features and Highlights

Provide 10/100/1000/2.5 Gbps Ethernet ports

• 2* input ports, 2* output ports

DC power input

• 12~57VDC

Great PoE Compatibility

• All ports comply with IEEE802.3af, IEEE802.3at, IEEE802.3bt

• PoE output port can auto detect powered device and the output power

• Transmit both Ethernet data and PoE to 100 meters

PoE Mode DIP Switch

This injector support two PoE modes:

• Standard: In this mode, the PoE injector provides power to the PD devices that follow the IEEE802.3af/at/bt standard

• Force mode: In this mode, the PoE injector outputs 54V DC constantly

   Note: Do not connect PD devices with an operating voltage lower than 54V DC.

Industrial Case and Installation

• DIN-rail design/Wall-mount

• Supports 6kV surge immunity and 8kV ESD protection

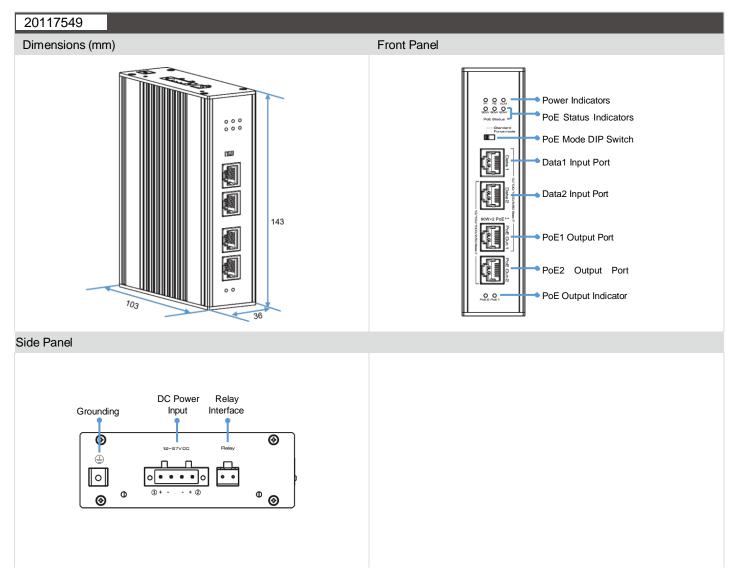• Wide working temperature: -40~75℃

• Plug and play, DIN-rail installation

Specifications

Items	20117549
Hardware Specifications	
Copper Ports	2 * 10/100/1000/2.5G Base-T RJ-45 Data input ports 2 * 10/100/1000/2.5G Base-T RJ-45 PoE output ports
Connector	Removable 4-pin terminal block for DC power: pins 1 and 2 for power 1, pins 3 and 4 for power 2 Removable 2-pin terminal block for relay alarm
Cable	Cat5e or better
Transmission Rate	10/100/1000/2.5Gbps
Transmission Distance	100m (Max)
Dimensions (W*D*H)	143mm*103mm*36mm
Net Weight	0.665kg
Power Requirements	12~57V DC
Installation	DIN-rail / Wall-mount/ Desktop
Material	Metal shell
PoE	
Device Type	PSE (Power Sourcing Equipment)
PoE Type	Mid-Span, End-Span
PoE Standard	IEEE 802.3af/at/bt
PoE Pin Assignment	3/6/4/5(+), 1/2/7/8(-)
PoE Power Output	54V DC
PoE Budget	12V/60W
	24V/90W
	48V/180W
EMC	
EMC	FCC 47 CFR Part 15 Class A EN55032 Class A IEC61000-4-2, Level 3: Contact Discharge: ±6kV, Air Discharge: ±8kV IEC61000-4-3, Level 2: 3V/m IEC61000-4-4, Level 2: 1kV IEC61000-4-5, line to earth: 6kV IEC61000-4-6, Level 2, (0.15MHz~80MHz)
LVD	
LVD	EN 62368-1:2020 EN 62328-A11:2020
Environments	
Operating	Temperature: -40℃~75℃ Relative Humidity: 5%~95% (Non-condensation)
Storage	Temperature: -40℃~85℃ Relative Humidity: 5%~95% (Non-condensation)
Certifications	
Certifications	CE, FCC

Appearances and Dimensions

20117549

Dimensions (mm)	Front Panel

Dimensions (mm)

143

103

36

Front Panel

- Power Indicators
- PoE Status Indicators
- PoE Mode DIP Switch
- Data1 Input Port
- Data2 Input Port
- PoE1 Output Port
- PoE2 Output Port
- PoE Output Indicator

Side Panel

Grounding

DC Power Input

Relay Interface

12-57V DC

Relay

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Packing List

Welcome to order our products. After purchasing, you will receive:

Item	Quantity
PoE Injector	1 pc
Mounting Accessory	1 set
Quick Installation Guide	1 pc