PROCET ®
PoE System

PT-PSE109GBRO-D PoE Injector

User Manual

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Declaration

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Please follow WEEE (Waste Electrical and Electronic Equipment) disposal instructions for old electronic products.

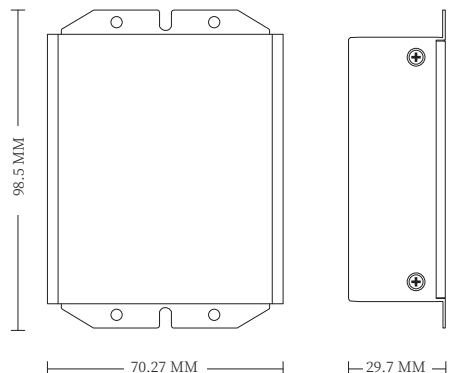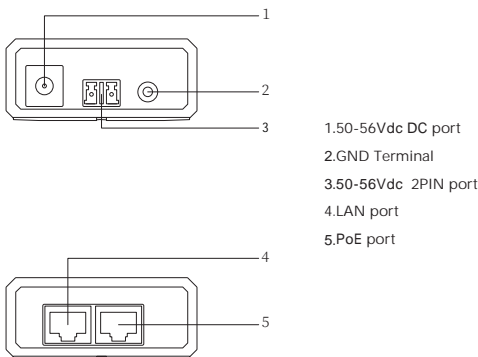Please do not dispose of the old product in your general household waste bin.

🗙 The symbol indicates that the product should not be discarded as unsorted waste but must be sent to separate collection facilities for recovery and recycling.

Overview

PT-PSE109GBRO-D is a single port industrial-rated DC to DC PoE injector. Enclosed in a high-impact metal shell. Two types of DC input which can be powered through a 2PIN terminal block or a DC jack. The input voltage range is 50-56Vdc.
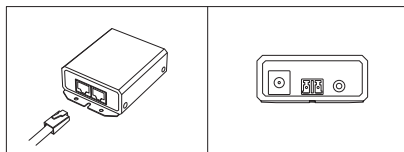
PoE output port with 6KV (10/700us) surge protection, which is compliant with 802.3af/at/bt standard that provides power up to 90W(Max) for remote PDs over 4 pairs at 10/100/1000Mbps of data speed.The effective distance is 100 meters over Cat5e/Cat6 cables. Working for wireless access points, network cameras, routers, and other high power Ethernet terminals. For longer distance request, our product PT-PEX01G-OT (outdoor or indoor PoE extender) can help.

Appearance

1.50-56Vdc DC port
2.GND Terminal
3.50-56Vdc 2PIN port
4.LAN port
5.PoE port

1   Product Diagram

98.5 MM

70.27 MM   29.7 MM

2   Product Dimension

Specification

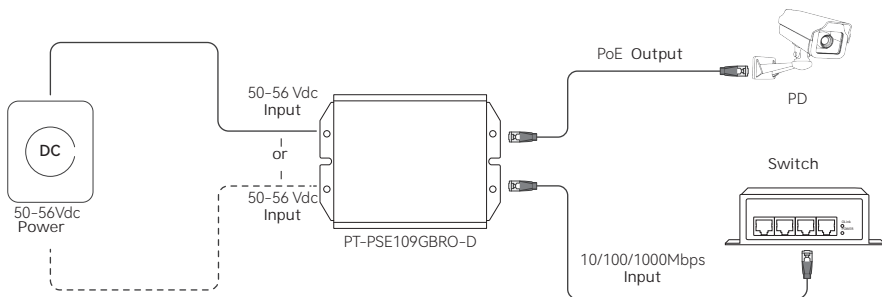| Input	Input	50-56Vdc 2.0A Max
	PoE Standard	IEEE802.3af/at/bt/PoE++
	Power Pins	4/5(+),7/8(-) & 3/6(+),1/2(-)
Output	Output	48-54Vdc 1.75A (Max 90W)
	Data Speed	10/100 / 1000Mbps
Operating Environment	Work Temp.	-40 to 65
	Operating Humidity	20%-80% non-condensation
	Operating Altitude	Up to 2000 meters
	Storage Temp.	-20 to 70
	Storage Humidity	10%-90% non-condensation
PoE Surge Protection	Protected line:1,2,3,4,5,6,7,8	
	Common mode surge protection(10/700us): 6kV	
	Differential mode surge protection (10/700us): 1.5KV	
Network Protocol	IEEE802.3/IEEE802.3u/IEEE802.3ab	
Media support	10 / 100 / 1000 BASE-TXCat5 or above UTP 328 feets	
Regulatory Compliance	CE FCC	
IP Rated	IP40	
Dimension	98.5mm× 70.27mm× 29.7mm (192.1g)	
LED	PWR	Power indicator
	Active	PoE power indicator
EMC	FCC	FCC Part 15 Subpart B
	CE	EN 55032:2015/A11:2020
		EN 55035:2017/A11:2020

3 Connection Diagram

Caution

1. Connect a CAT5/5e/6 cable with the RJ45 connector into the RJ45 socket labeled PoE. On the other end of the CAT5e/6 cable, connect to your PoE Device (such as IP Cameras etc). The total Ethernet cable length can not exceed 100 meters.

2. For LAN Port at 10/100/1000Mbps, connect another CAT5/5e/6 cable with RJ45 connector to the Ethernet data transfer.

3. Two types of DC input which can be powered through a 2PIN terminal block or a DC jack. Do not connect two DC inputs simultaneously.

⚠️ 1.please read the instructions carefully and follow the standard operating procedures before using.

2.Please place it in a well-ventilated and dry area, and it is for indoor use only.

PoE Output

50-56 Vdc Input

or

50-56 Vdc Input

50-56Vdc Power

PT-PSE109GBRO-D

PD

Switch

10/100/1000Mbps Input

DC

Qualification Card

PASS