

PT-PSE105GBS-D-10

User Manual



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Declaration

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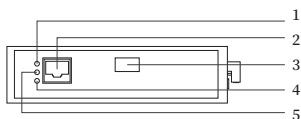
The symbol indicates that the product should not be discarded as unsorted waste but must be sent to separate collection facilities for recovery and recycling.

Overview

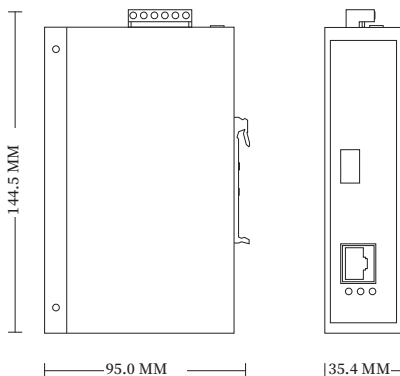
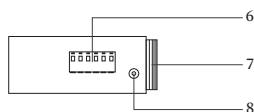
PT-PSE105GBS-D-10 is a single-port media converter with PoE function. The single PoE output port delivers 1.75A up to 95W(max) power for remote PDs over 4 pairs. Equipped detecting chip inside which will make the PoE identification handshake with IEEE802.3af/at/bt PDs. Such as PTZ cameras, wireless APs, base stations, and other PoE-powered devices which need high power watts. Protecting non-PoE powered devices.

RJ45 port supports 100/1000Mbps, 2.5G/5G/10GbE NBase-T, while the fiber slot only supports 10GE SFP+ of optical module. Enclosed in an IP40 high-impact metal case with a DIN Rail mount bracket, designed for indoor use but can work outdoors by covering it with a waterproof case. It works with an input voltage of 50-57Vdc and operates under -40°C to +65°C. For planning purposes, the effective distance is 100 meters over Cat6 cables.

Appearance



- 1.DC Power Indicator
- 2.PoE Output Port
- 3.SFP Input Port
- 4.Data Indicator
- 5.PoE Load Indicator
- 6.DC Input port
- 7.DIN Rail Mounting Bracket
- 8.GND Terminal



Specification

Model	PT-PSE105GBS-D-10
Input	50-57Vdc 2.0A
PoE Standard	IEEE802.3 af/at/bt
Class Level	Class 8
PoE Power Pins	4/5(+),7/8(-)& 3/6(+),1/2(-)
Output	48-55Vdc 1750mA
Work Temp.	-40°C to 65°C
Network Protocol	IEEE802.3u/ab/bz/an IEEE802.3ae
Data Speed	RJ45:100M/1000M/2.5G/5G/10G, SFP : 10G
EMC	EN 55032:2015/A11:2020 EN 55035:2017/A11:2020
Dimensions & NW	144.5mm X 95mm X 35.4mm 485g

Troubleshooting

Failure Phenomena	Cause Analysis	Solutions
Power LED Light off	Not plugged in / no power	Plug in the power cord
	Poor Power outlet Poor Power cord Power cable is not plugged in firmly	Check if the socket connection is loose, if the AC cable is damaged, or if the power supply is abnormal.
	Device issues	Device replacement
Load Indicator Light Off	Poor network cable contact or network cable failure.	Re-plug the network cable or replace the network cable.
	Non-PoE compliant PD or unsupported PD or mismatched PD	PD replacement
	PD Damage	PD replacement
Data Transmission Abnormality	Check if the total length of the network connection cable exceeds 100 meters.	Shorten the connection distance, or add an extender/repeater.
	SFP port signal source malfunction	Check if the switch working properly.
	Ethernet data transmission failure	Check if the cable comply with the EIA/TIA568B or 568A. Change good network cable if the previous cable is poor.

Caution

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.
3. Connect the DC power cable with positive and negative wires into the DC terminal block of Procet Injector.
4. Connect a fiber cable with SFP+ optical module at 10G from your switch into the injector's SFP slot for data Input. (The optical module does not include in the package). You can choose either single-mode or multi-mode SFP transceivers.
5. Connect a CAT6 cable with the RJ45 connector into the RJ45 socket labeled PoE. On the other end of the CAT6 cable, connect to your PoE Device (such as IP Cameras etc) . The total Ethernet cable length can not exceed 100 meters.
6. The device must be placed on a stable surface, preferably affixed and mounted permanently. Do not leave it "dangling" and use plugged-in cables in tension as support. Drops, falls, and impacts experienced by the injector can compromise the internal components & cause premature failure.
7. Do not place heavy objects on top of this injector. Allow at least 5cm of clearance on all sides of the device for heat ventilation / natural convection.