

PT-PIS4PB1S-M Switch

User Manual



WWW.PROCETPOE.COM

Declaration

Copyright ©2023 Creative Lianjie Network Technology Co.Ltd All rights reserved.

This document belongs to PROCET company. It is not allowed to reproduce and modify without the original author's permission. It is PROCET's policy to improve its products as new technology components, software, and firmware at any time. PROCET, therefore, reserves the right to change specifications without prior notice.

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.

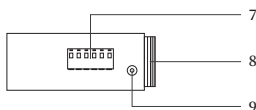
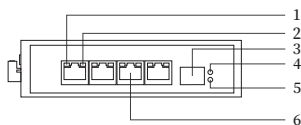
Overview

PT-PIS4PB1S-M, an industrial 4-port PoE switch with Managed Ethernet function. Supports IEEE 802.1Q VLAN and port-based VLAN. We can access and manage the device via web browser, including IP configuration, port configuration, VLAN configuration, PoE configuration, factory reset, etc. We can also view device information, such as switch status, port status, PoE status, etc. In addition, the PoE port enables remote control of the device on/off.

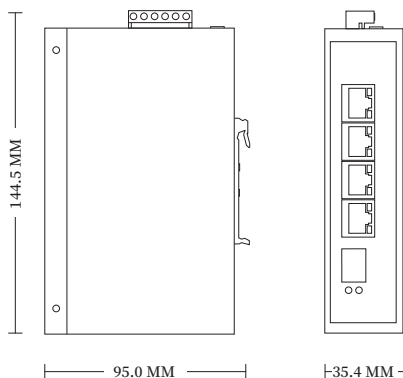
Equipped detecting chip inside which will make the PoE identification handshake with IEEE802.3af/at/bt PDs. Such as PTZ cameras, wireless APs, base stations, and other PoE-powered devices which need high power watts. Protecting non-PoE powered devices. Each PoE output port delivers 1.75A up to 90W(max) power for remote PDs over 4 pairs.

One fiber slot only supports 1000Mbps of optical module, while RJ45 copper port supports 10/100/1000Mbps. 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 48-57Vdc and operates under -40°C to +65°C. For planning purposes, the effective distance is 100 meters over Cat5/5e/6 cables.

Appearance



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



Specification

Model	PT-PIS4PB1S-M
Input	48-57Vdc 7.5A
PoE Standard	IEEE802.3 af / at / bt
Class Level	Class 8
PoE Power Pins	4/5(+),7/8(-) & 3/6(+),1/2(-)
Output	46-57Vdc 1750mA, Each port : 90W (Max)
Work Temp.	-40 to 65
Network Portocol	IEEE802.3i /IEEE802.3u /IEEE802.3ab/IEEE802.3z
Data Speed	RJ45 : 10/100/1000Mbps SFP : 1G
EMC	EN55032:2015/A11:2020 EN55035:2017/A11:2020
Dimensions & NW	144.5mm X 95mm X 35.4mm 483g

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 1G 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.