PROCET PT-PSE109GMN-A-S PoE Injector User Manual

PROCET® PoE System

PT-PSE109GMN-A-S PoE Injector
User Manual

www.procetpoe.com

Contents

Declaration

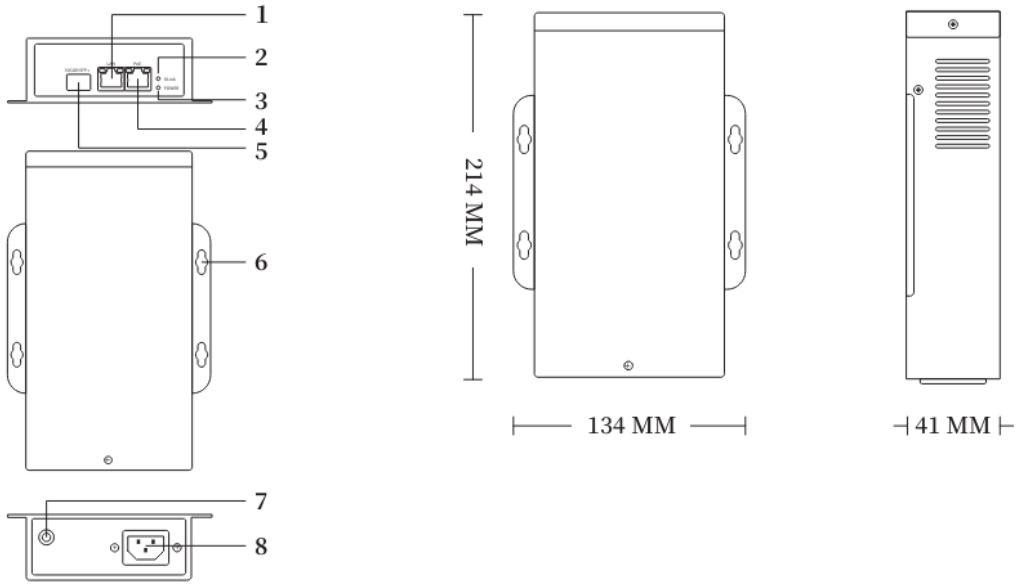
firmware at any time. PROCET, therefore, reserves the right to change specifications without prior notice.
Please follow WEEE (Waste Electrical and Electronic Equipment) disposal instructions for old electronic products. Please do not dispose of the old product in your general household waste bin.

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

Overview

PT-PSE109GMN-A-S, a single port fiber PoE Injector 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, device control, etc. We can also view device information such as switch status, port status, and PoE status etc. In addition, the PoE port enables remote control of the device' on/off and reset status.
This model has a 1000BASE-X SFP Interfaces, offers a unique solution to powering long range installations, where the data input comes over fiber.
The PoE output port delivers 55V/2.2A power up to 121W(max) for remote PD via full 4 pairs with 4KV surge protection at 10/100/1000Mbps of data speed. It supports terminal equipments with IEEE802.3af/at, PoE++, IEEE802.3bt standard. such as wireless APs, IP cameras, base stations, gateways, and other high-power Ethernet backhaul devices.
Industrial design, when cover with waterproof case can be used for outdoor application. It works like a switch, the data is interoperable among LAN port, PoE port and SFP port.

Appearance



* (Indicator)
Lit Normal
Flashing Detecting
Light off Abnormal

1. LAN Port
   Yellow Data Indicator
   Green Unuse
2. SFP Indicator
3. Power Indicator

4. PoE Port
   Yellow Data Indicator
   Green Load Indicator
5. SFP Port
6. Fixing holes
7. GND Terminal
8. AC Power Port

Specification

Model	PT- PSE109GMN- A- S
Input	100- 240Vac 2.0A 50/60Hz
PoE Standard	Passive
PoE Power Pins	1/2/3/6(+) & 4/5/7/8(-)
Output	55Vdc 2.2A
Operating Temp.	0°C to 40°C
Network Protocol	IEEE802.3i/ IEEE802.3u/ IEEE802.3ab REEE802.3z
Data Rates	LAN:10/100/1000Mbps SFP:1G
Immunity	IEC 60068-2- 6(Vibration) IEC 60068- 2-27(Impact) IEC 60068- 2- 32(Free Fall)
Dimensions &NW	213.9mm X 134.0mm X 41.0mm 1104g

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 p ower supply is abnormal.
	Device issues	Device replacement
Load Indicator Light Off	Poor network cable contact or network cable fa ilure.	Re-plug the network cable or replace t he network cable.
	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 ad d an extender/ repeater.
	LAN port signal source malfunction	Check if the switch working properly.
	Ethernet data transmission failure	Check if the cable comply with the EIA/ TIA56813 or 568A. Change good netw ork 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 power cable's trapezoidal plug into the rear of the unit. On the other end of the power cable plug into a standard grounded wall outlet for safety.
4. Connect a CAT5/5e/6 cable from your non-PoE router/switch into the unit's LAN port, for Ethernet transfer if needed.
5. Connect a CAT5e/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)
6. The total Ethernet cable length can not exceed 100 meters.
7. 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.
8. 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.
9. Do not use with 24V DC PDs. This unit outputs 55V, which may damage 24V DC input devices (due to voltage mis -match).

PROCET®
PoE System

Creative Lianjie Network
Technology Co.Ltd
www.procetpoe.com

Documents / Resources

	PROCET PT-PSE109GMN-A-S PoE Injector [pdf] User Manual PT-PSE109GMN-A-S PoE Injector, PT-PSE109GMN-A-S, PoE Injector, Injector
	PROCET PT-PSE109GMN-A-S PoE Injector [pdf] Installation Guide PT-PSE109GMN-A-S PoE Injector, PT-PSE109GMN-A-S, PoE Injector, Injector

References

- POE Injector, POE Switch, POE Splitter, POE Surge Supplier

- **User Manual**