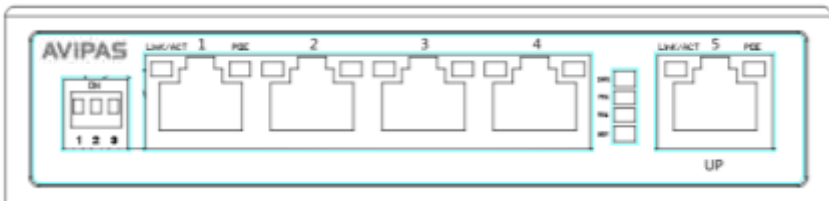


AVIPAS

Model: AV-POE4
4-port PoE Switch



User Guide

V1.0

**Please read this user guide
thoroughly before using.**

www.avipas.com

Preface

Thank you for choosing AViPAS PoE Switch AV-POE4.

This guide introduces the functions, installation process and operation of AV-POE4. Prior to installation and usage, please read the guide thoroughly.

Precautions

- To reduce the risk of fire, electric shock, or damage to the product, when installing, operating, and maintaining the equipment, follow the safety precautions described in the guide. “Warnings” and “notes” in this guide do not represent all safety precautions that should be followed.

- When using this equipment, the user must read through all the relevant precautions and special safety instructions provided in this guide and on www.avipas.com. The "safety warnings" listed in the guide only reflect of some the requirements. AViPAS will not bear any responsibilities for the loss caused by violation of general safety operation requirements.

Installation environment requirements

- This device needs to be installed on desktop, or to be wall-mounted, or 19”rack-mounted.
- Temperature and humidity of the installation site must be kept within the working range. Please refer to the data sheet for the normal working temperature range and relative humidity range of PoE devices.

- Grounding is essential for the installation process. Correct wiring of the grounding cable protects the PoE device from lightning, high-voltage surge, interference, and static electricity.

Lightning protection requirements

- Do not use outdoor overhead (open) wiring. The equipment may be damaged by lightning. Please use buried or steel pipe wiring.

- The fiber media converter must be grounded before being powered on to ensure that the grounding resistance of the installation environment does not exceed 10Ω, otherwise the equipment may be damaged.

Product Specifications

- DC Input: DC 52V 1.25A
- Port Max: 30W, Total: 65W
- PoE Output: IEEE 802.3af/at
- 4x PoE+ (802.3at/af) 10/100/1000 Mbps RJ45 ports (unmanaged)
- 1x Gigabit Non-PoE Port for high-speed connections

Product installation

Installation instructions

- Please select a suitable installation location or cabinet according to the safety recommendation.
- When installing the PoE device, the user needs to choose matching mounting accessories.
- Please wear protective gloves when installing.
- Do NOT install the PoE device with its power on.

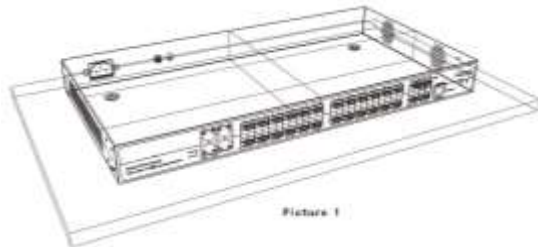
Installation tools

- Labor protection gloves
- Plum screwdriver
- Flat screwdriver

Installation steps

- Desktop installation

Step 1: Place the PoE device on an even desktop. Make sure that at least 10cm of space is reserved on both sides of the PoE device (the vents), shown in Picture 1, so that the PoE device can be well ventilated.



Picture 1

Connect the devices

PoE Switch connection diagram



Caution:

- Before installing or removing the PoE switch, power must be disconnected. Operating the PoE switch with its power on is prohibited to prevent injury or damage to the device.
- Make sure that the protective ground wire of each device is securely grounded. All power cables must NOT have any open parts exposed in the air.

Checklist after installation

- All mounting parts (hanging ears and screws) are secured.
- Polarity of all cable connections is correct.
- Wiring between each two devices is correct and secured. Make sure there is no short circuit.
- Power on and see if the self-check process is performed normally.
- Indicator lights on the PoE device are in the correct working mode.

Indicator lights and button/switch function table



Symbol	Function	State	Description	Color
PWR	Work indicator	On	Normal	Green
		Off	Switch has no power supply or initialization failure	
PoE	PoE	On	Normal	Green
		Blink	PD device failure or power overload	
		Off	No connected PD or switch has no power	
Link	Network	On	Link is established and ready to use	Yellow
		Blink	Link port is receiving/sending data	
		Off	Link failure or port failure	

Function switches

E: default OFF. Can support 100m power supply and communication; when dial E is set to ON, the switch can support 10M/250m long-distance power supply and communication, however, 4 PoE ports are isolated from each other. There will be no communication between PoE ports.

D: default OFF. After communication between ports is interrupted, the connection won't be reestablished automatically. The user needs to manually enter IP addresses to connect devices again; when dial D is set to ON, communication can be resumed automatically once the interrupted connection is reestablished.

P: default ON. PoE power indicator light will light up in different colors. Power consumption $\leq 25\%$ (green block), $25\% < P \leq 50\%$ (yellow block), $50\% < P \leq 75\%$ (orange block), $P > 75\%$ (red block); Port 1 has the top priority regarding the power output.

Warranty

Thank you for your interest in the products of AVIPAS Inc.

This Limited Warranty applies to PoE devices purchased from AVIPAS Inc.

This Limited Warranty covers any defect in material and workmanship under normal use within the Warranty Period. AVIPAS Inc. will repair or replace the qualified products at no charge.

AVIPAS Inc. provides a two (2)-year warranty (from the date of purchase) for PoE devices.

This Limited Warranty does not cover problems including but not limited to: improper handling, malfunction or damage not resulting from defects in material.

To receive warranty service, please contact AVIPAS Inc. first. We will decide whether a repair or replacement is needed and will advise you of the cost of such repair or replacement.

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Contact Details:

AViPAS Inc.

Address: 1700 Wyatt Drive, Suite #3
Santa Clara, CA 95054

Phone: 1-844-228-4727

Fax: (408) 228-8438

Email: info@avipas.com

Website: <http://www.avipas.com>