

Dahua 8-Port Fast Ethernet PoE Switch

User's Manual V1.0.0

ZHEJIANG DAHUA VISION TECHNOLOGY CO., LTD.

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1 Overview

1.1 Product Introduction

8-port fast Ethernet switch is a type of layer two commercial switch, which supports long distance Ethernet power supply. It provides 8*10/100 Mbps Ethernet ports and 1*100 Mbps uplink port. The product is equipped with two types of transmission modes (Default/Extend), which are controlled by DIP switch.

1.2 Product Features

Common Features

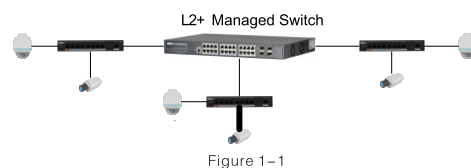
- Layer two commercial switch.
- Supports IEEE802.3, IEEE802.3u and IEEE802.3X standards.
- MAC auto learning, aging, MAC address capacity 2K.
- Supports MDI/MDIX self-adaptation.
- RJ45 port supports 10/100 Mbps self-adaptation, supports IEEE 802.3af and IEEE803.3at power supply standards.
- Adopts metal enclosure.
- Supports DC 48~57V power supply.

Individual Features

- Port 1 supports Hi-PoE 60W power supply.
- Supports two types of transmission mode, which are Default and Extend. Default mode is the standard Ethernet mode, transmission bandwidth is 100Mbps. It supports max transmission distance 100m via CAT6. Extend mode is the long-distance transmission mode, transmission bandwidth is 10 Mbps. It supports max transmission distance 250m via CAT6.

1.3 Typical Application

Please refer to Figure 1-1 for typical application.



2 Device Structure

2.1 Front Panel

The front panel of the device is shown in Figure 2-1.

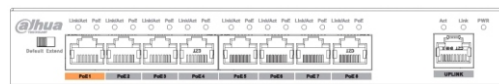


Figure 2-1

Please refer to Table 2-1 for the port description.

SN	Name	Note
1	10/100 Base-T	8*10/100Mbps self-adaptive PoE power supply port
2	10/100 Base-T	1*100Mbps self-adaptive uplink port
3	DIP switch	Transmission mode selection, you can select Default or Extend mode via the switch.
4	Link/act	Single port Link status indicator light.
5	PoE	Single port PoE status indicator light.
6	PWR	Power indicator light, meanwhile it is the PoE power supply status indicator light as well.

Table 2-1

2.2 Rear Panel

The rear panel of the device is shown in Figure 2-2. It supports DC 48~57V.



Figure 2-2

2.3 PoE Power Supply

- 1*10/100Mbps RJ45 port supports IEEE802.3af, IEEE802.3at standards and Hi-PoE 60W power supply.
- 7*10/100Mbps RJ45 ports support IEEE802.3af, IEEE802.3at standard power supply.

3 Appendix | Technical Specifications

Please refer to Table 3-1 for more details about technical specifications.

Model	DH-PFS3009-8P-96
Ethernet Port	1*10/100Mbps Uplink port, 8*10/100 Mbps PoE ports
PoE Power Consumption	Port2-8≤30W, Port1≤60W, Total≤96W
PoE Protocol	IEEE802.3af, IEEE802.3at, Hi-PoE
Switching Capacity	1.8Gbps
Packet Forwarding Rate	1.34Mpps
Packet Buffer Memory	768K
MAC Table Size	2K
Flow Control	Enable by default
Application Humidity	10% ~ 90%
Power	DC48 ~ 57V power adapter
Lightning Protection	Common Mode 2KV Differential Mode 0.5KV
Working Temperature	-10°C ~ 55°C
Weight	0.48KG
Dimension(W x D x H)	190mm x 100mm x 30mm

Table 3-1

Note

- This user's manual is for reference only.
- Slight difference may be found in user interface.
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Please read the following safeguards and warnings carefully before using the product in order to avoid damages and losses.

Attentions

- Do not expose the device to lampblack, steam or dust. Otherwise it may cause fire or electric shock.
- Do not install the device at position exposed to sunlight or in high temperature. Temperature rise in device may cause fire.
- Do not expose the device to humid environment. Otherwise it may cause fire.
- The device must be installed on solid and flat surface in order to guarantee safety under load and earthquake. Otherwise, it may cause device to fall off or turnover.
- Do not place the device on carpet or quilt.
- Do not block air vent of the device or ventilation around the device. Otherwise, temperature in device will rise and may cause fire.
- Do not place any object on the device.
- Do not disassemble the device without professional instruction.

Warning

- Please use battery properly to avoid fire, explosion and other dangers.
- Please replace used battery with battery of the same type.
- Do not use power line other than the one specified. Please use it properly. Otherwise, it may cause fire or electric shock.

Special Announcement

- This manual is for reference only.
- All the designs and software here are subject to change without prior written notice.
- Always follow the instructions listed on the manual. We are not liable for any problems caused by unauthorized modifications or attempted repair.

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