![Dahua Technology logo]

Dahua 4-Port Fast Ethernet PoE Switch

User's Manual

V1.0.0

Important Safeguards and Warnings

Attentions
Please read the following safeguards and warnings carefully before using the product in order to avoid damages and losses.

Note:
- 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.
- All trademarks and registered trademarks are the properties of their respective owners.

- If there is any uncertainty or controversy, please refer to the final explanation of us.
- Please visit our website for more information.
- The function of the ITE being investigated to IEC 60950-1 is considered not likely to require connection to an Ethernet network with outside plant routing, including campus environment.
- The installation instructions clearly state that the ITE is to be connected only to PoE networks without routing to the outside plant.

1 Product Overview

1.1 Product Introduction
4-port fast Ethernet switch is a type of layer two commercial switch, which supports long distance Ethernet power supply. It provides 4 10/100 Mbps Ethernet ports and 2 100 Mbps uplink ports. The product is equipped with two types of transmission modes (Default/Extend), which can be selected via DIP switch.

1.2 Product Features

General Features:
- Layer two commercial switch.
- Supports IEEE802.3, IEEE802.3u and IEEE802.3X standards.
- MAC auto study and aging, MAC address capacity is 2K.
- Supports MDI/MDIX self-adaptation.
- RJ45 port supports 10/100 Mbps self-adaptation, supports IEEE802.3 af and IEEE802.3at 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 modes, which are Default and Extend. Default mode is standard Ethernet mode with transmission bandwidth of 100 Mbps and supports transmission distance up to 100M via CAT6. Extend mode is long distance transmission mode with transmission bandwidth of 10 Mbps and supports transmission distance up to 250M via CAT6.

1.3 Typical Application

Figure 1-1

2 Device Structure

2.1 Device Panel
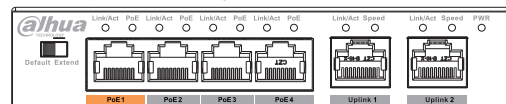
The device panel is shown in Figure 2-1.

Figure 2-1

Please refer to Table 2-1 for more details.

SN	Name	Note
1	10/100 Base-T	4*10/100Mbps self-adaptive PoE power supply port
2	10/100 Base-T	2*10/100Mbps self-adaptive uplink port.
3	DIP Switch	Select transmission mode, you can select Default or Extend mode via this switch.
4	Link/act	Single port Link status indicator light.
5	PoE	Single port PoE status indicator light.
6	Speed	Uplink port speed indicator light, it is green when it's 100Mbps and it is off when it's 10Mbps.
7	PWR	Power indicator light.

Table 2-1

2.2 PoE Power Supply
- One 100M RJ45 port supports IEEE802.3af, IEEE802.3at standards and Hi-PoE 60W power supply.
- Three 100M RJ45 ports support IEEE802.3af and IEEE802.3at standard power supply.

3 Appendix | Technical Specifications

Model	DH-PFS3006-4ET-60
Ethernet Port	2*10/100Mbps Uplink port 4*10/100Mbps PoE ports
PoE Power Consumption	Port2-4≤30W,Port1≤60W,Total≤60W
PoE Protocol	IEEE802.3af, IEEE802.3at, Hi-PoE
Switching Capacity	1.8Gbps
Packet Forwarding Rate	890Kpps
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℃ ~ 55℃
Weight	0.3KG
Dimension(W × D × H)	130mm × 85mm × 26mm

Table 3-1

Note
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