



# Dahua 3-Port Switch with 2-Port PoE

User's Manual

V1.0.1

# Cybersecurity Recommendations

Mandatory actions to be taken towards cybersecurity

## **1. Change Passwords and Use Strong Passwords:**

The number one reason systems get "hacked" is due to having weak or default passwords. It is recommended to change default passwords immediately and choose a strong password whenever possible. A strong password should be made up of at least 8 characters and a combination of special characters, numbers, and upper and lower case letters.

## **2. Update Firmware**

As is standard procedure in the tech-industry, we recommend keeping NVR, DVR, and IP camera firmware up-to-date to ensure the system is current with the latest security patches and fixes.

## **"Nice to have" recommendations to improve your network security**

### **1. Enable HTTPS/SSL:**

Set up an SSL Certificate to enable HTTPS. This will encrypt all communication between your devices and recorder.

### **2. Forward Only Ports You Need:**

- Only forward the HTTP and TCP ports that you need to use. Do not forward a huge range of numbers to the device. Do not DMZ the device's IP address.
- You do not need to forward any ports for individual cameras if they are all connected to a recorder on site; just the NVR is needed.

### **3. Limit Features of Guest Accounts:**

If your system is set up for multiple users, ensure that each user only has rights to features and functions they need to use to perform their job.

### **4. SNMP:**

Disable SNMP if you are not using it. If you are using SNMP, you should do so only temporarily, for tracing and testing purposes only.

### **5. Multicast:**

Multicast is used to share video streams between two recorders. Currently there are no known issues involving Multicast, but if you are not using this feature, deactivation can enhance your network security.

### **6. Check the Log:**

If you suspect that someone has gained unauthorized access to your system, you can check the system log. The system log will show you which IP addresses were used to login to your system and what was accessed.

### **7. Physically Lock Down the Device:**

Ideally, you want to prevent any unauthorized physical access to your system. The best way to achieve this is to install the recorder in a lockbox, locking server rack, or in a room that is behind a lock and key.

## General






This user's manual (hereinafter referred to be "the Manual") introduces the features, structure, and installation of 3-port switch with 2-port PoE.

## Models

DH-PFS3103-1GT1ET-60

## Safety Instructions

The following categorized signal words with defined meaning might appear in the Manual.

Signal Words	Meaning
 <b>DANGER</b>	Indicates a high potential hazard which, if not avoided, will result in death or serious injury.
 <b>WARNING</b>	Indicates a medium or low potential hazard which, if not avoided, could result in slight or moderate injury.
 <b>CAUTION</b>	Indicates a potential risk which, if not avoided, could result in property damage, data loss, lower performance, or unpredictable result.
 <b>TIPS</b>	Indicates dangerous high voltage. Take care to avoid coming into contact with electricity.
 <b>NOTE</b>	Indicates a laser radiation hazard. Take care to avoid exposure to a laser beam.

## Revision History

Version	Revision Content	Release Time
V1.0.1	Delete technical specifications.	June 2019
V1.0.0	First release.	September 2018

## Privacy Protection Notice

As the device user or data controller, you might collect personal data of other such as face, fingerprints, car plate number, Email address, phone number, GPS and so on. You need to be in compliance with the local privacy protection laws and regulations to protect the legitimate rights and interests of other people by implementing measures include but not limited to: providing clear and visible identification to inform data subject the existence of surveillance area and providing related contact.

## About the Manual

- The Manual is for reference only. If there is inconsistency between the Manual and the actual product, the actual product shall prevail.
- We are not liable for any loss caused by the operations that do not comply with the Manual.
- The Manual would be updated according to the latest laws and regulations of related regions. For detailed information, see the paper manual, CD-ROM, QR code or our official website. If there is inconsistency between paper manual and the electronic version, the electronic version shall prevail.
- All the designs and software are subject to change without prior written notice. The product updates might cause some differences between the actual product and the Manual. Please contact the customer service for the latest program and supplementary documentation.
- There still might be deviation in technical data, functions and operations description, or errors in print. If there is any doubt or dispute, please refer to our final explanation.
- Upgrade the reader software or try other mainstream reader software if the Manual (in PDF format) cannot be opened.
- All trademarks, registered trademarks and the company names in the Manual are the properties of their respective owners.
- Please visit our website, contact the supplier or customer service if there is any problem occurred when using the device.
- If there is any uncertainty or controversy, please refer to our final explanation.

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# 1

# Product Overview

## 1.1 Introduction

3-port switch with 2-port PoE is a layer-two industrial switch. It provides 1 10/100/1000Mbps Ethernet RJ45 port, 1 10/100Mbps Ethernet RJ45 port, and 1 100/1000Mbps optical port.

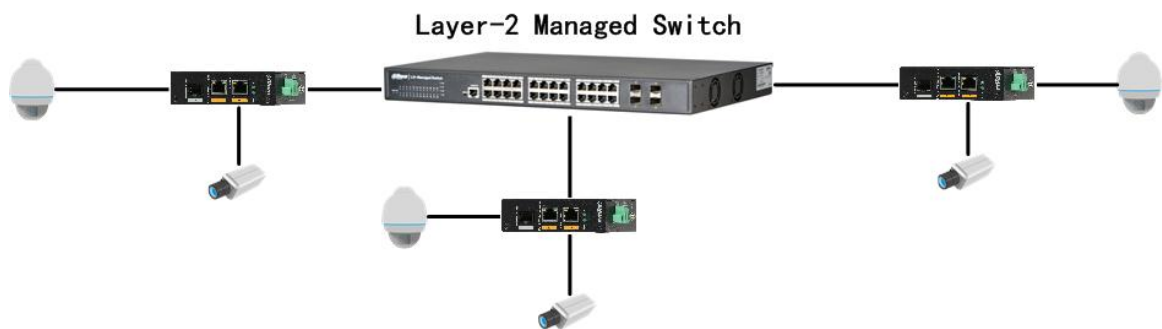
## 1.2 Features

- Layer-two industrial switch.
- Conforms to IEEE802.3, IEEE802.3u and IEEE802.3X standards.
- MAC auto study and aging, MAC address list capacity is 8K.
- Conforms to IEEE802.3af and IEEE802.3at power supply standard, self-adaptation MDI/MDIX mode. Port 2 and 3 support Hi-PoE 60W power supply.
- Adopts metal structure.
- Supports  $-30^{\circ}\text{C}\sim+65^{\circ}\text{C}$  operating temperature.
- High protection grade, supports common mode 4KV, differential mode 2KV.
- Supports DC 48V-DC 57V power supply and dual power backup.

## 1.3 Typical Application

The typical networking scene is shown in Figure 1-1.

Figure 1-1 Typical networking scene

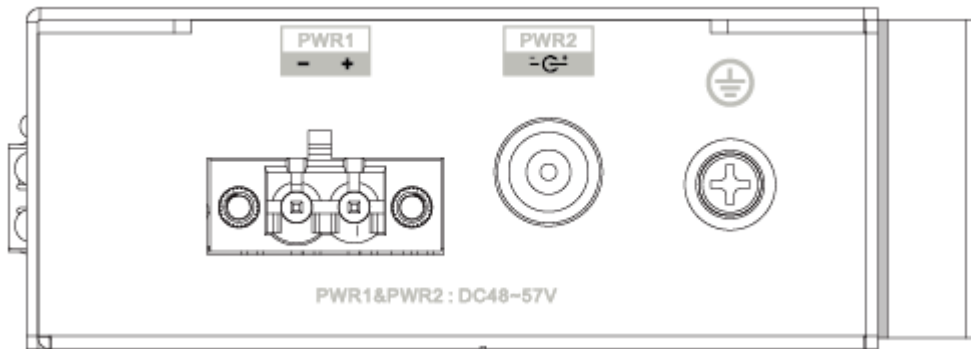


# 2 Device Structure

## 2.1 Side Panel

The structure of side panel is shown in Figure 2-1.

Figure 2-1 Side panel



Please refer to Table 2-1 for the description of ports.

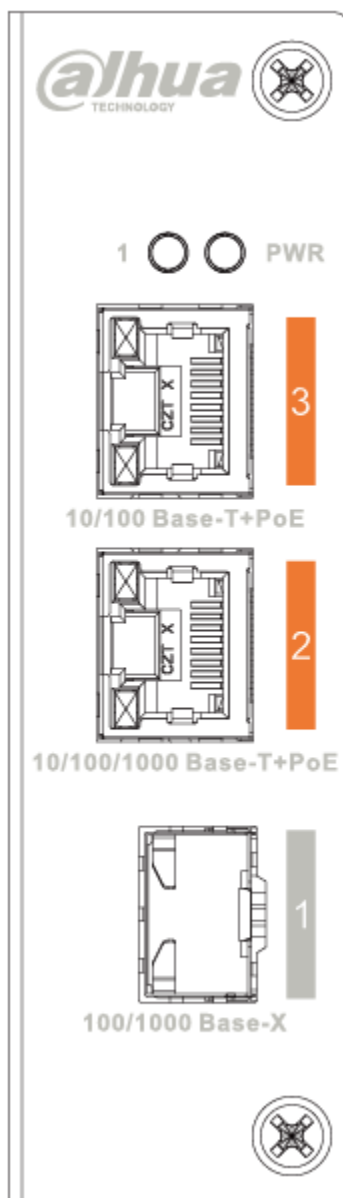
Table 2-1 The description of ports

Port	Note
PWR1&PWR2	Power ports, dual power backup access. Supports DC 48V-DC 57V power input.
⊕	GND.

## 2.2 Front Panel

The front panel is shown in Figure 2-2.

Figure 2-2 Front panel



Please refer to Table 2-2 for more information.

Table 2-2 The description of front panel

No.	Name	Description
3	10/100 Base-T+PoE	1 10/100Mbps self-adaptation PoE power supply port.
2	10/100/1000 Base-T+PoE	1 10/100/1000Mbps self-adaptation PoE power supply port.
1	100/1000 Base-X	1 1000Mbps optical port.
-	PWR	Power indicator light.
-	1	SFP indicator light.

## 2.3 PoE Power Supply

Two RJ45 ports (PoE2 and PoE3) conforms to IEEE802.3af, IEEE802.3at standards and supports Hi-PoE 60W power supply.



# 3 Installation

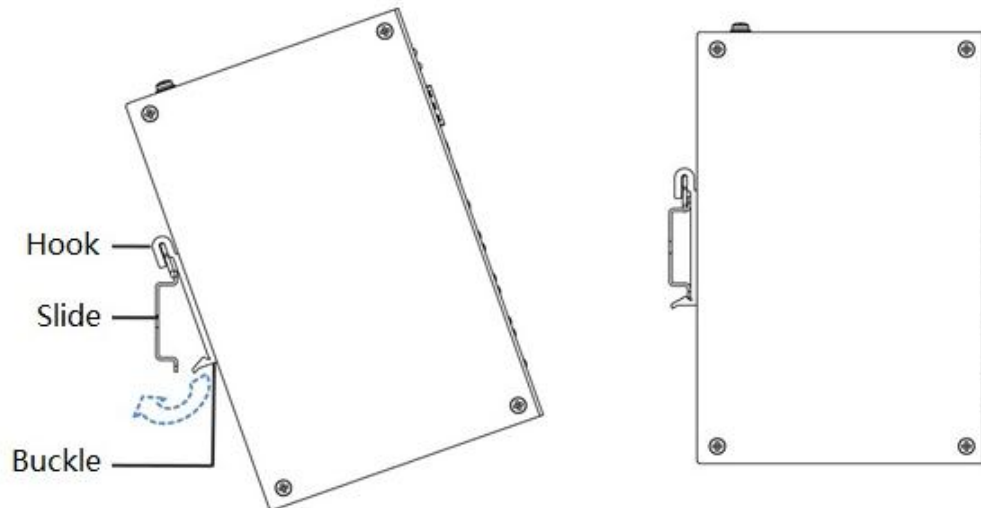
The device supports DIN-rail mount.

Hang the switch hook on the rail, press the switch to make the buckle stuck into the rail, see Figure 3-1.

 **NOTE**

The device supports the slide width of 28mm.

Figure 3-1 DIN-rail mount



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