AMCREST

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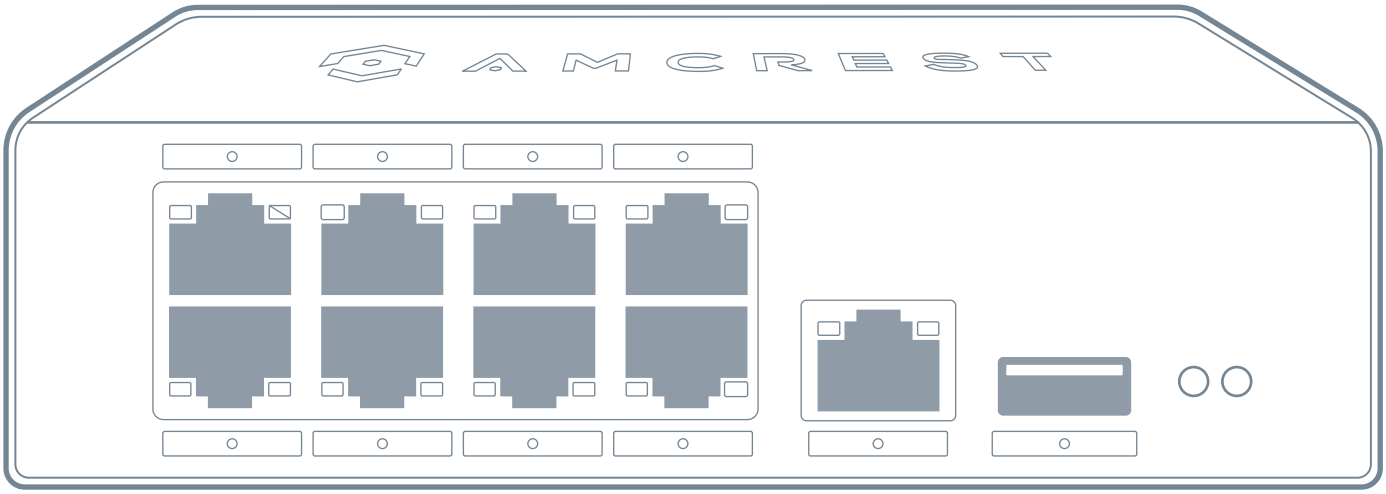

4/8-Port PoE Switch

User's Manual V. 1.0.0

Important Safeguards & Warnings

Attention:
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 Soot, high humidity or dust. Doing so may cause fire or electric shock.
Do not install the device in direct sunlight as it may cause overheating and failure.
Installation of the unit should be via the compatible rack mount or securely on a flat surface.
Do not place the device on carpet or other insulating surfaces. Ex. Rugs, towels, rags, clothing, etc.
Do not block or impede airflow to or around the unit. Doing so may cause overheating, failure or fire.
Do not place stack or place objects on the unit.
This unit contains no user serviceable parts. Servicing should only be performed by approved technicians.

Warning:
Do not use a power supply other than the provided manufacturer power supply. Failure to do so may cause unit failure and/or damage.
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 Amcrest Technologies LLC.

Applicable Models:
The manual can be applied to the following models:
MODEL NUMBERS PENDING: AMPS5E4P-AT-58, AMPS9E8P-AT-96

Table of Contents

Product Overview

1.1 Features

Common Features:

Two-layer industrial POE switch.

Conform to IEEE802.3, IEEE802.3u, IEEE802.3ab/z and IEEE802.3X standards.

MAC auto study and aging, MAC address list capacity is 8K.

All ports self-adapt MDI/MDIX mode.

All the10/100M self-adaptive RJ45 ports support IEEE802.3af, IEEE802.3at standard power supply.

Industrial wide temperature design.

Support DC 53V power supply.

Individual Features:

4-port PoE switch 1 100/1000M self-adaptive SFP fiber port, 1*10/100/1000M self-adaptive RJ45 port and 4 10/100M self-adaptive RJ 45 ports.

4-port PoE switch with 60W power adapter.

8-port PoE switch supports 1 1000M SFP fiber port, 1*10/100/1000M self-adaptive RJ45 port and 8 10/100M self-adaptive RJ 45 ports.

8-port PoE switch with 96W power adapter.

1.2 Typical Application

The typical application of the device is shown in Figure 1- 1

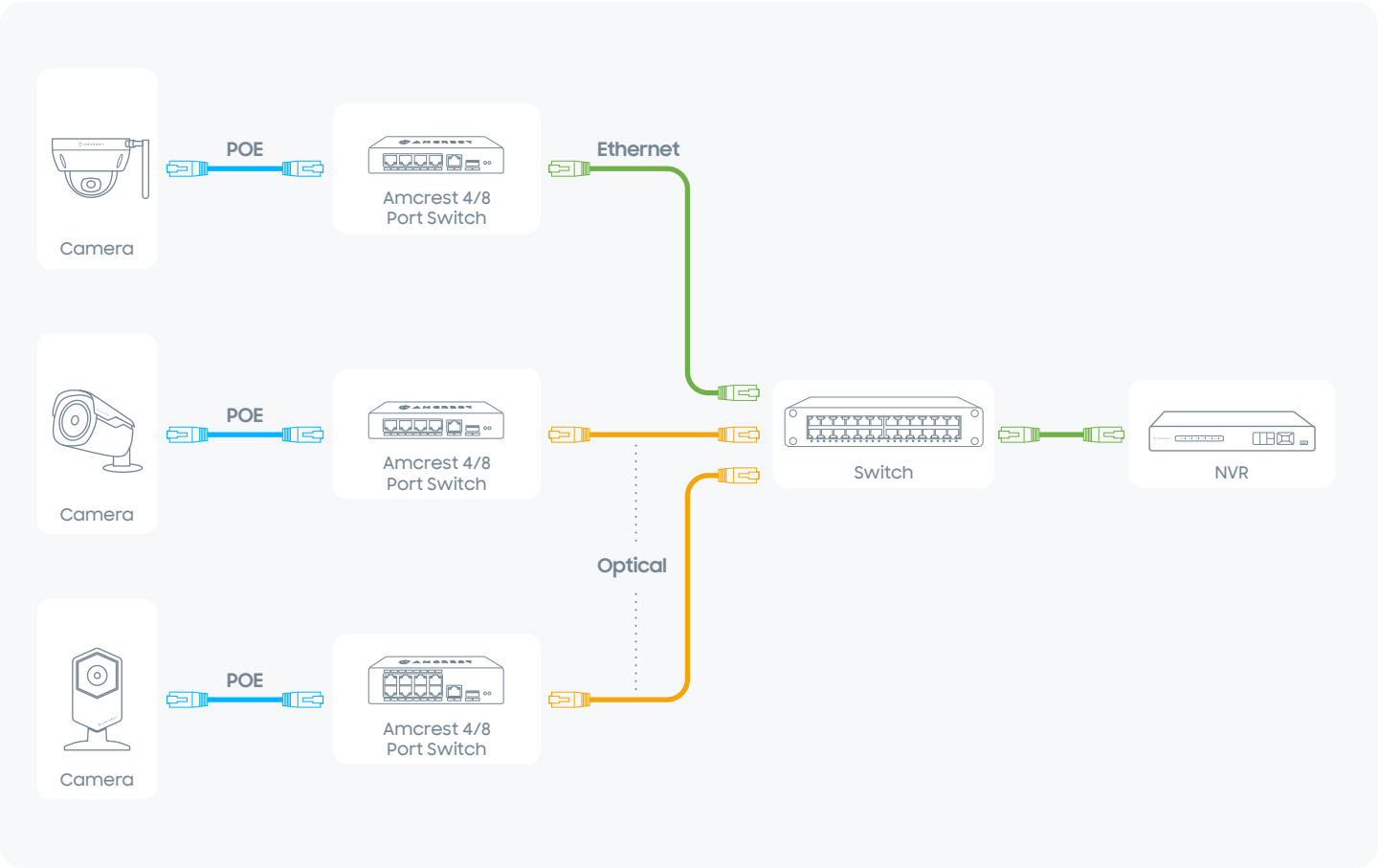

Figure 1.1

Device Structure

2.1 4-Port PoE Switch

2.1.1 Front Panel

The front panel is shown in Figure 2-1.

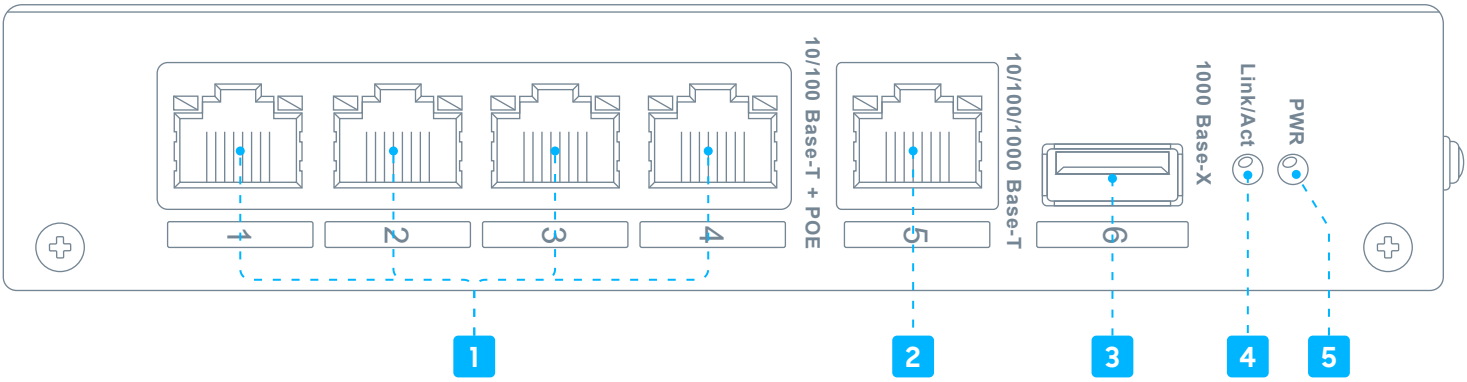

Figure 2.1

SN	Name	Note
1	10/100 Base-T	4 10/100M self-adaptive PoE power supply ports.
2	10/100/1000 Base-T	10/100/1000M self-adaptive RJ45 port.
3	100/1000 Base-X	100/1000M self-adaptive SFP fiber port.
4	Link/Act	Fiber port status indicator
5	PWR	Power indicator

Sheet 2-1

2.1.2 Upper Cover

The unit power port is shown in Figure 2-2, support DC 48-57V power supply.

Figure 2.2

2.1.3 PoE Power Output

10/100M RJ45 Ports support both IEEE802.3af, and IEEE802.3at power standards.
Supports simultaneous power to 4 ports using IEEE802.3af
Supports Simultaneous power to 2 ports using IEEE802.3at

2.2 8-Port PoE Switch

2.2.1 Front Panel

The front panel is shown in Figure 2-1.

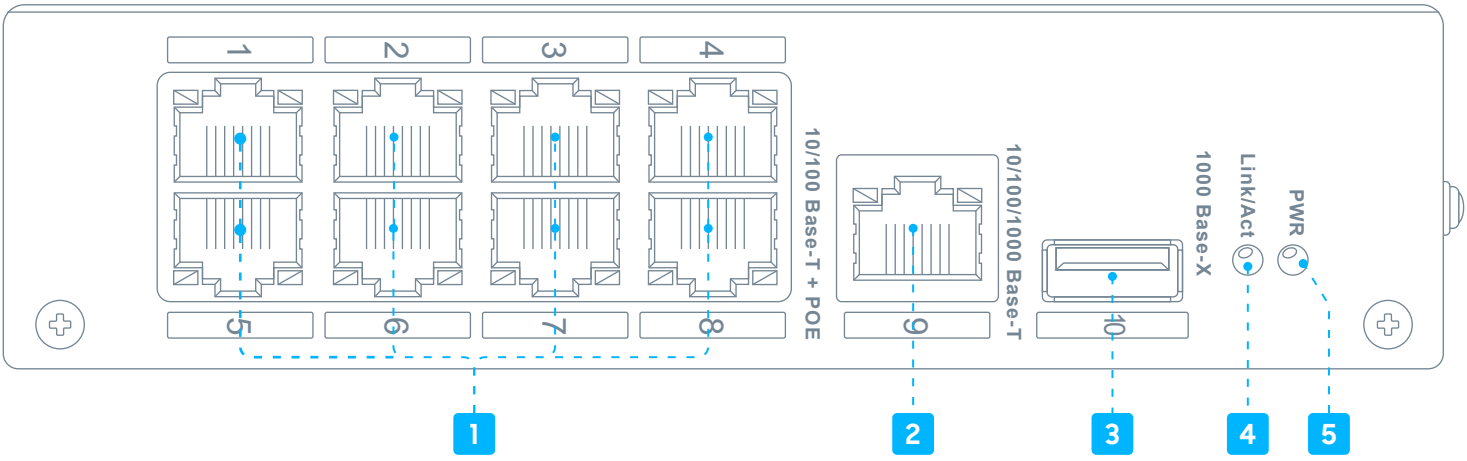

Figure 2.3

SN	Name	Note
1	10/100 Base-T	8 10/100M self-adaptive RJ45 ports, which are used for PoE power supply.
2	10/100/1000 Base-T	10/100/1000M self-adaptive RJ45 port.
3	100/1000 Base-X	100/1000M self-adaptive SFP fiber port.
4	Link/Act	Fiber port status indicator
5	PWR	Power indicator

Sheet 2-2

2.2.2 Upper Cover

The device power port is shown in Figure 2-4, support DC 48-57V power supply.

Figure 2.4

2.2.3 PoE Power Supply

Elaboration needed: 8 10/100M RJ45 ports support IEEE802.3af, IEEE802.3at standard power supply.

Elaboration needed: Support several RJ45 Ports IEEE802.3af and IEEE802.3at standard power supply simultaneously, total power consumption of PoE power supply is less than 93W.

Installation Guide

The 4 and 8 port PoE switch support DIN rail mounting. Insert the top of the DIN rail in the hooked section of the upper mount.

Now firmly press the PoE switch straight back onto the rail until it is secured firmly. see Figure 3-1.

Note:

4-port PoE switch supports the slide width of 28mm.

8-port PoE switch supports the slide width of 38mm. A

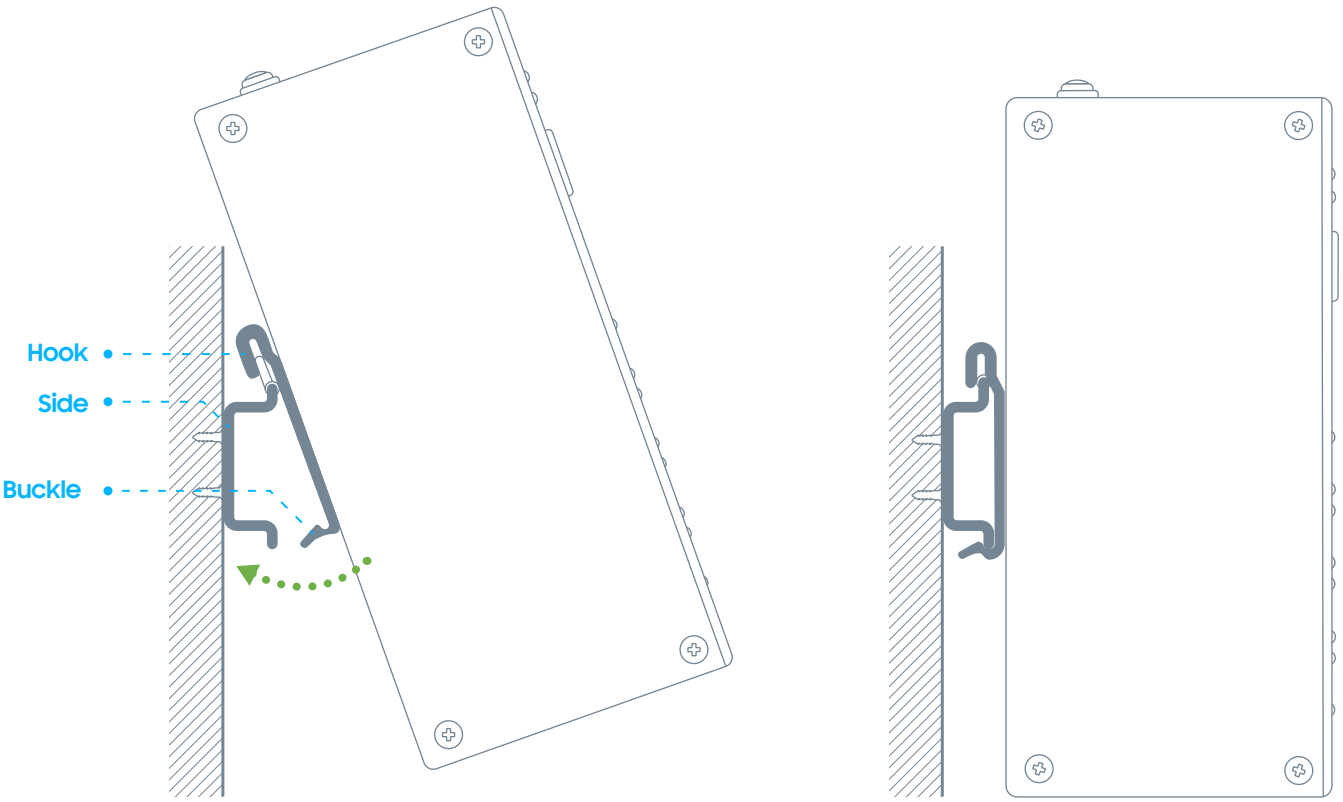

Figure 3.1

Appendix 1
Technical Specification

TECHNICAL PARAMETERS	AMPS5E4P-AT-58	AMPS9E8P-AT-96
Physical Port		
Network Ports	1*100/1000 Base-X 1*10/100/1000 Base-T 4*10/100 Base-T (POE power supply)	1*1000 Base-X 1*10/100/1000 Base-T 8*10/100 Base-T (POE power supply)
Technical Index		
Exchange Capacity	6.80Gbps	7.60Gbps
Packet Forwarding Rate	3.57Mpps	4.17Mpps
Exchange Mode	Store & forward	Store & forward
MAC Study	MAC auto study, address list capacity 8	KMAC auto study, address list capacity 8K
Common Parameters		
Lightning Protection Level	Lightning protection level 4	Lightning protection level 4
Indicator	Power indic vator, fiber port status indicator	Power indicator, fiber port status indicator
Power	DC53V power adapter	DC53V power adapter
Power Consumption	≤60W	≤96W
Application Humidity	10%～90%	10%～90%
High &Low Temperature	-30°C～65°C	-30°C～65°C
Weight	480g	540g
Dimension	150mm×100mm×30mm	150mm×100mm×42mm

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www.amcrest.com

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