AMCREST

4/8-Port PoE Switch User's Manual

Version 1.0.3.

Revised September 5th, 2018

Contents

Important Safeguards and Warnings

Attention:

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

Note:

- Do not expose the device to liquid, steam or dust. Otherwise it may cause fire or electric shock.
- Do not install the device to direct sunlight or in high temperature areas to avoid damage or fire.
- Do not install the device in humid conditions.
- The device must be installed on solid and flat surface to guarantee safety and stability.
- Do not place the device on any carpet or quilt material.
- Do not block the air vent of the device or any ventilation around the device.
- Do not place any objects on top the device.
- Do not disassemble or provide maintenance to the device without professional assistance.

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.

Applicable Models:

The manual can be applied to the following models:

AMPS5E4P-AT-58, AGPS9E8P-AT-96, AMPS5E4P-AT-65

1 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.
- Adopt metal structure.
- 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

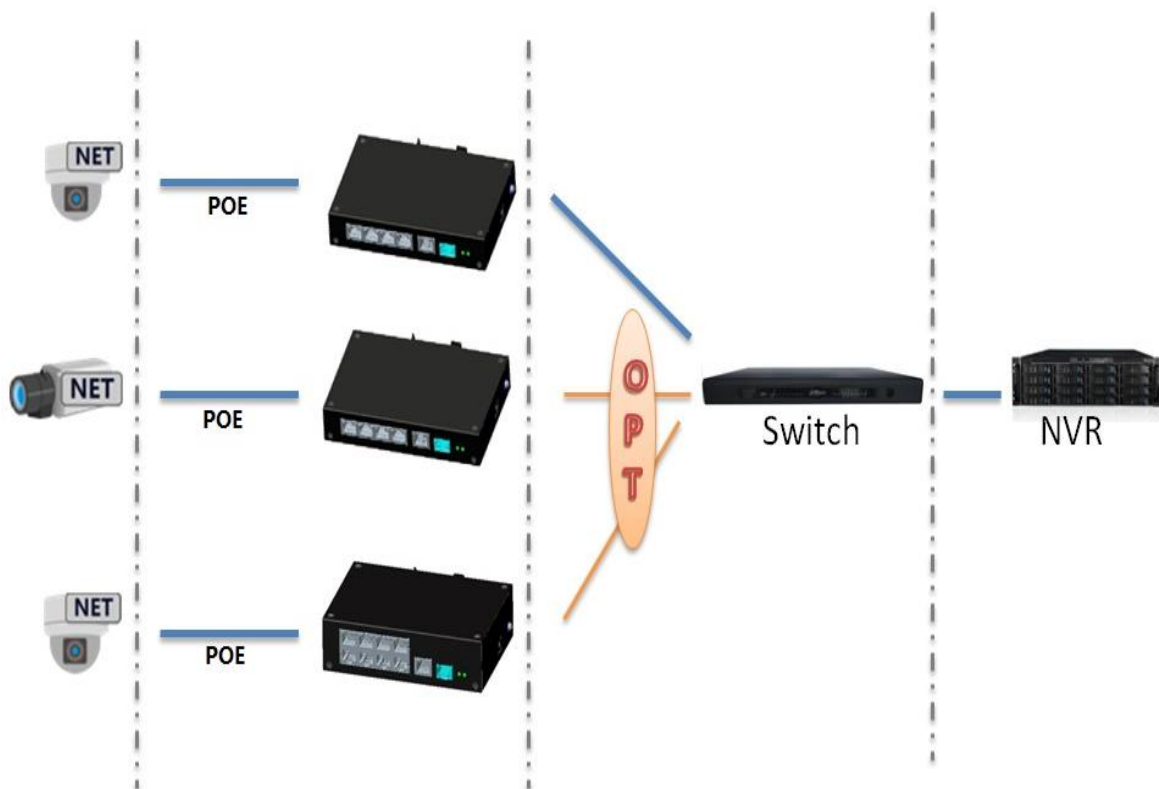The typical application of the device is shown in Figure 1- 1

Figure 1- 1

2 Device Structure

2.1 4-Port PoE Switch

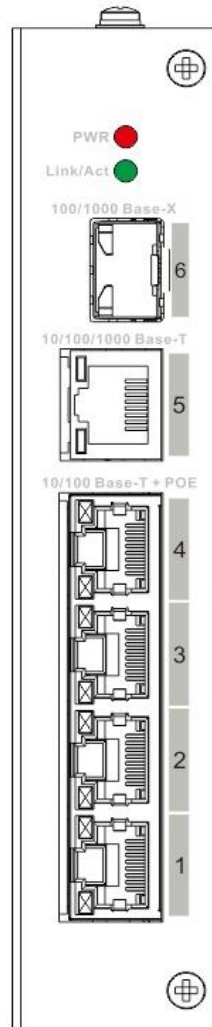### 2.1.1 Front Panel

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

Figure 2-2

2.1.3 **PoE Power Supply**

- 4 10/100M RJ45 ports support IEEE802.3af, IEEE802.3at standard power supply.

- Support 4 10/100M RJ45 Ports IEEE802.3af standard power supply simultaneously.

- Support 2 10/100M RJ45 ports IEEE802.3at standard power supply simultaneously.
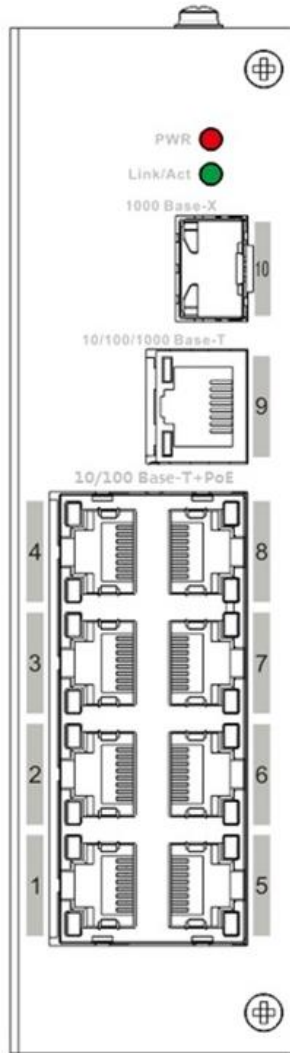
2.2 8-Port PoE Switch

2.2.1 Front Panel

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	1000 Base-X	1000M self-adaptive SFP fiber port.
4	Link/Act	Fiber port status indicator.
5	PWR	Power indicator.

Sheet 2-2

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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**

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

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

3 Installation Guide

PoE switch supports DIN rail mounting. Lay the switch hook on the rail, press the PoE switch to make the buckle fit into the slide, see Figure 3-1.

Note:

4-port PoE switch supports the slide width of 28mm.
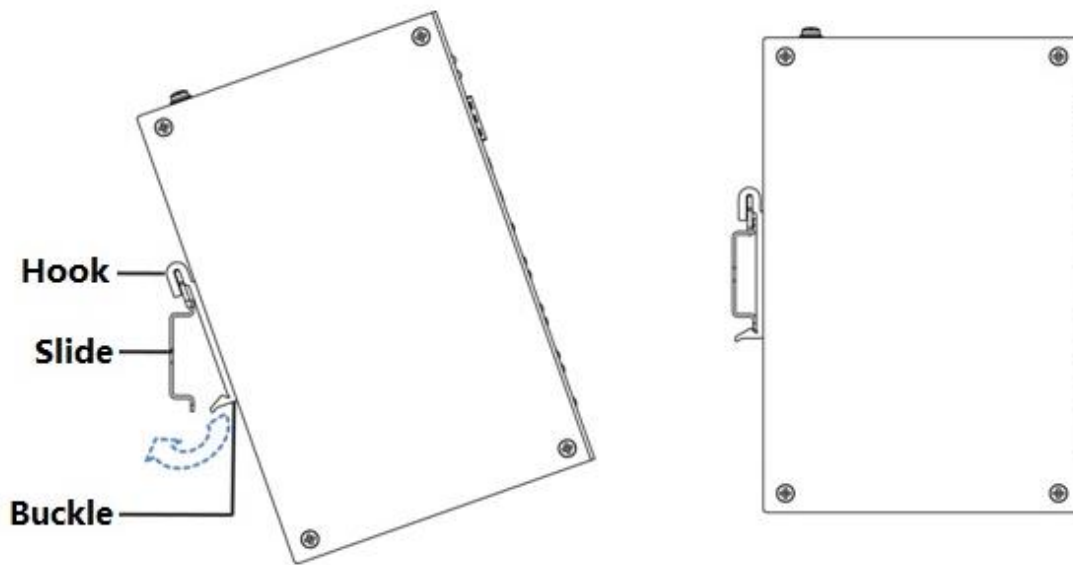
8-port PoE switch supports the slide width of 38mm.

Figure 3-1

Appendix 1 Technical Specification

Technical Parameters	AMPS5E4P-AT-65/ AGPS5E4P-AT-58	AGPS9E8P-AT-96
Physical Port		
Business Port	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 8K	MAC auto study, address list capacity 8K
Common Parameters		
Lightning Protection Level	Lightning protection level 4	Lightning protection level 4
Indicator	Power indicator, fiber port status indicator	Power indicator, fiber port status indicator
Power	Default DC53V power adapter	Default DC53V power adapter
Power Consumption	≤60W	≤96W
Application Humidity	10%～90%	10%～90%
High &Low Temperature	－30℃～65℃	－30℃～65℃
Weight	480g	540g
Dimension	150mm×100mm×30mm	150mm×100mm×42mm

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Note

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FCC Compliance Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

• Reorient or relocate the receiving antenna.

• Increase the separation between the equipment and receiver.

• Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

• Consult the dealer or an experienced radio/TV technician for help.

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