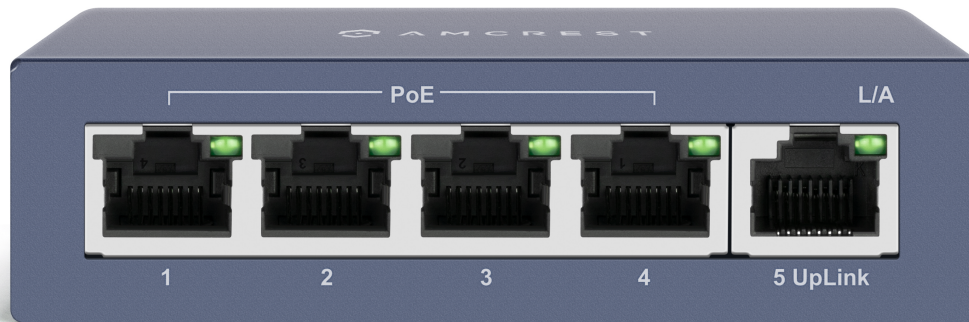


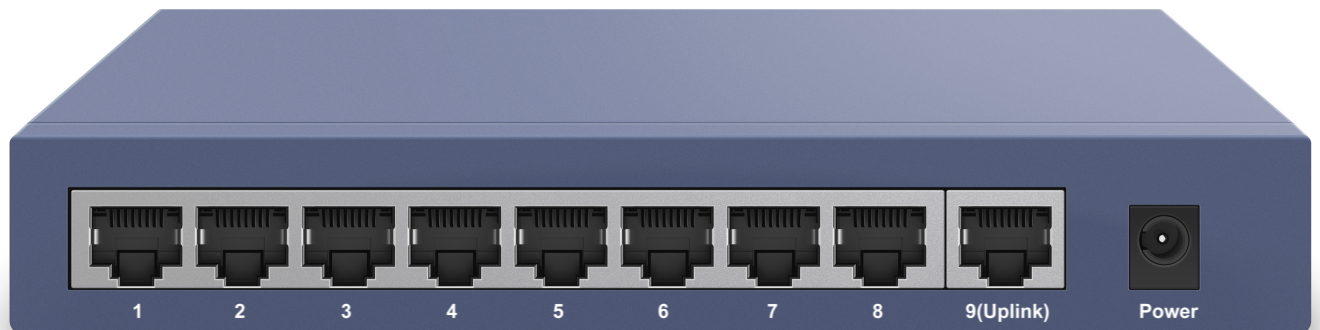


AMCREST

Simple. Reliable. Secure.



AMPS5E4P-AT-65



AMPS9E8P-AT-96

4/8-Port PoE Switch

User's Manual Version 1.0.3

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-65, AMPS9E8P-AT-96

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1.1 Features

Common Features:

- Two-layer commercial PoE switch.
- Conform to IEEE802.3, IEEE802.3i, IEEE802.3u and IEEE802.3X standards.
- MAC auto study and aging, MAC address list capacity is 2K.
- All ports self-adapt MDI/MDIX mode.
- All the 10/100M self-adaptive RJ45 PoE ports support IEEE802.3af and IEEE802.3at standards.
- Commercial wide temperature design.
- Supports DC 52V 1.25A power supply.

Individual Features:

- 4-port PoE switch supports 1 10/100M self-adaptive RJ45 Uplink port and 4 10/100M self-adaptive PoE RJ45 ports.
- 4-port PoE switch with max 65W total power consumption.
- 8-port PoE switch supports 1 10/100M self-adaptive RJ45 Uplink port and 8 10/100M self-adaptive PoE RJ45 ports.
- 8-port PoE switch with max 96W total power consumption.

1.2 Typical Application

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

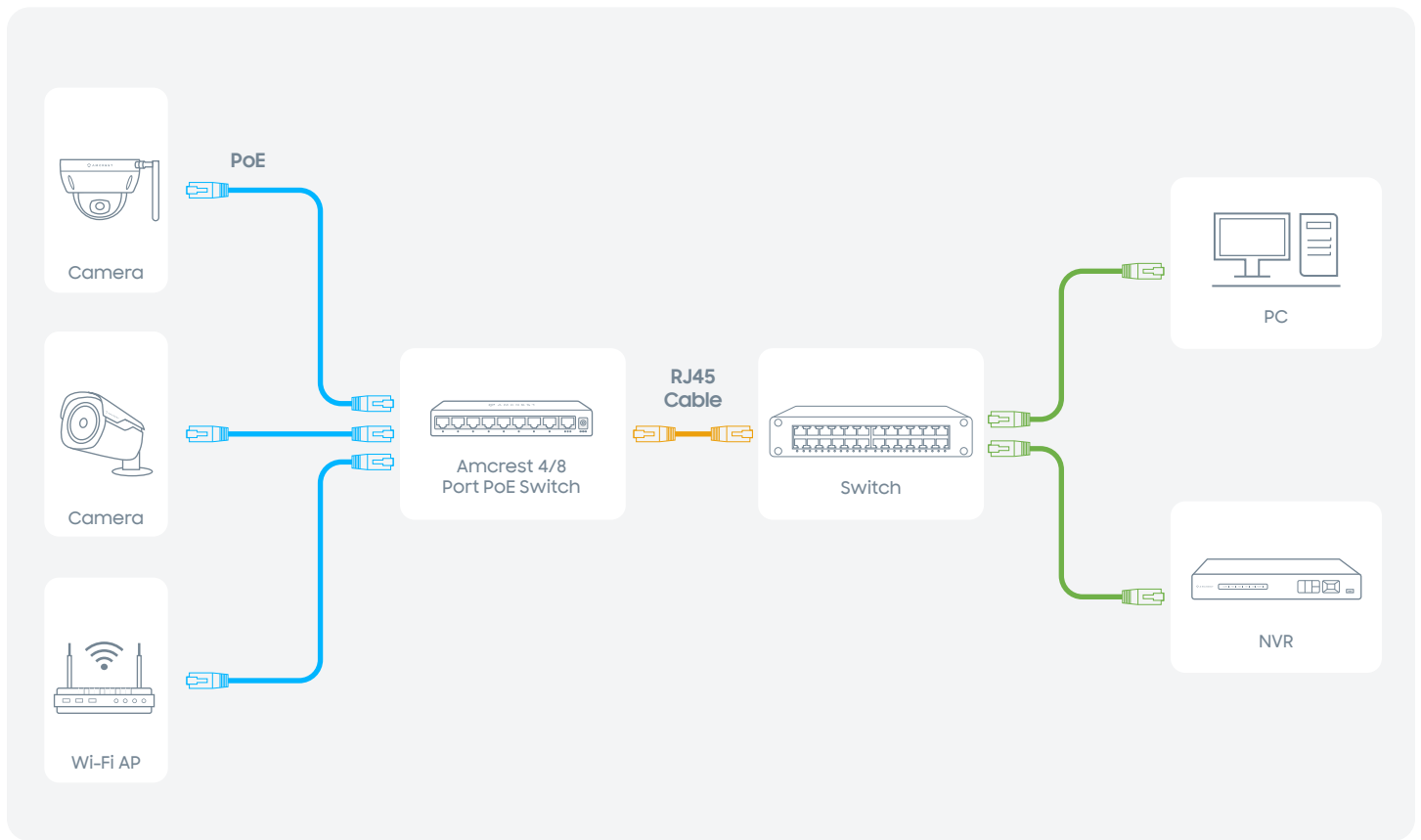


Figure 1.1

2.1 4-Port PoE Switch

2.1.1 Front Panel

The front panel is shown in Figure 2-1.

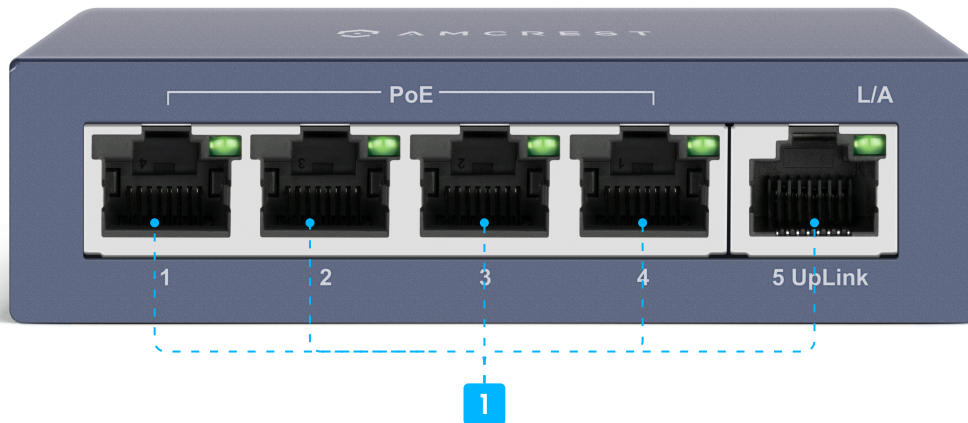


Figure 2.1

SN	Name	Note
1	Ethernet Ports	4 10/100M self-adaptive RJ45 PoE ports. 1 UpLink Port.

Sheet 2-1

2.1.2 Back Panel

The back panel is shown in Figure 2-2.



Figure 2.2

SN	Name	Note
1	Power/PoE Max	Indicates the switch is powered on and if the maximum PoE power available is used.
2	Ground	Used as grounding option for the switch.
3	DC	Power connection port. Supports 52V 1.25A

Sheet 2-2

2.1.3 PoE Power Output

10/100M RJ45 PoE Ports support IEEE802.3af and IEEE802.3at power standards.

Supports simultaneous power to 2 ports using IEEE802.3t and 4 ports using IEEE802.3af.

Total power draw cannot be over 65W.

2.2 8-Port PoE Switch

2.2.1 Front Panel

The front panel is shown in Figure 2-3.

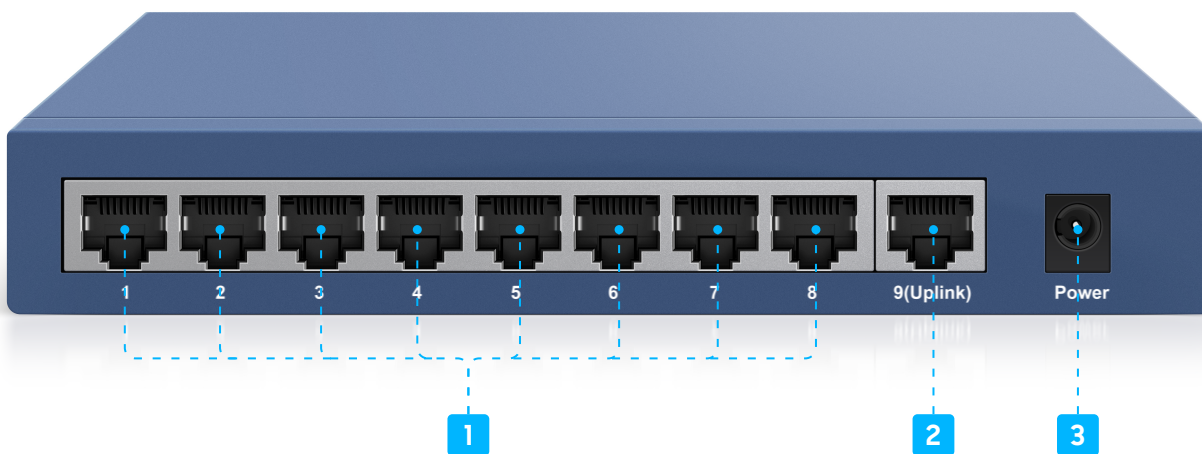


Figure 2.3

SN	Name	Note
1	1, 2, 3, 4, 5, 6, 7, 8	8 10/100M self-adaptive RJ45 PoE ports.
2	9(Uplink)	10/100M self-adaptive RJ45 port.
3	Power	Power connection port. Supports 52V 1.85A.

Sheet 2-3

2.2.2 Back Panel

The back panel is shown in Figure 2-4.



Figure 2.4

SN	Name	Note
1	PWR	Indicates the switch is powered on.
2	9(Uplink)	Port Status LED. Blinking - data transmitting. Solid - link established. Off - no connection.
3	1, 2, 3, 4, 5, 6, 7, 8	Port Status LEDs. Blinking - data transmitting. Solid - link established. Off - no connection.
4	PoE Status	This row of LEDs indicates if PoE is being used.
5	PoE MAX	Indicates if the maximum PoE power available is used.
6	VLAN	When enabled, communication is isolated between downlinks and uplink. Downlinks do not communicate with each other.

Sheet 2-4

2.2.3 PoE Power Output

10/100M RJ45 PoE Ports support IEEE802.3af and IEEE802.3at power standards.

Supports simultaneous power to 3 ports using IEEE802.3t and 8 ports using IEEE802.3af.

Total power draw cannot be over 96W.

Appendix 1

Technical Specification

TECHNICAL PARAMETERS	AMPS5E4P-AT-65	AMPS9E8P-AT-96
Physical Port		
Network Ports	1*10/100 Base-T (UpLink) 4*10/100 Base-T (POE powered)	1*10/100 Base-T (UpLink) 8*10/100 Base-T (POE powered)
Technical Index		
Exchange Capacity	1.0Gbps	1.8Gbps
Packet Forwarding Rate	0.74Mpps	1.34Mpps
Exchange Mode	Store & forward	
MAC Study	MAC auto study, address list capacity 2K	
Power Pin Assignment	Endspan 12(+) 36(-)	
Common Parameters		
Indicator	Power, PoE Max, PoE, Link/Act	
Power	DC52V 1.25A power adapter	AC 100-240V Input, 50/60Hz
Power Consumption	≤65W	≤96W
Application Humidity	10%~90%	
High &Low Temperature	-10°C~45°C	
Weight	730g	1.1kg
Dimension	94mm(L) * 71mm(W) *26mm(H)	171mm(L) * 98mm(W) *27mm(H)



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