

Accept specification

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| 客户名称 (CUSTOMER) : | |
| 客户料号 (PART NO.) : | |
| 客户品名 (DESCRIPTION) : | |
| 产品型号 (PRODUCT TYPE) : | PS308G |
| 内部版本 (VERSION) : | V3.0 |
| 文件版本 (FILE VERSION) : | A/0 |

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| 承认书 APPROVED SIGNATURES | | | | | |
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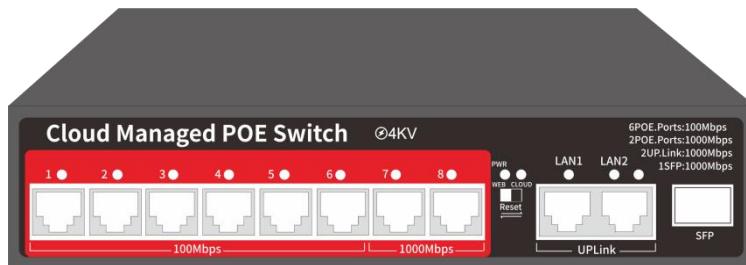
Category

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The Specification Of Cloud-managed PoE Switch Series(PS308G)

1. Product Introduction:

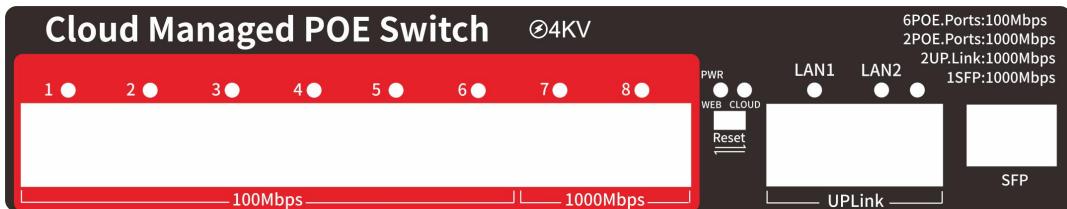
This product is a cloud network management series Ethernet POE power supply switch independently developed by our company, providing 6 100Mbps adaptive POE power supply RJ45 ports + 2 1000Mbps adaptive POE power supply RJ45 ports, and 2 uplink 1000Mbps adaptive RJ45 interfaces and 1 1000Mbps SFP interface, which can be used as Ethernet power supply devices. All power supply ports can automatically detect and identify power receiving devices that meet the IEEE 802.3af/at standard; It supports remote mobile phone access for monitoring the operating status of the switch and the management of various network functions. The switch can be remotely managed through the APP "Amitres IOT", and the switch ports can be remotely viewed and managed. It also supports management through web page login.



2. Features:

- Complies with IEEE 802.3 Ethernet and IEEE 802.3u Fast Ethernet protocol standards;
- Support 802.3af/at standard protocol, intelligently detect power supply, and do not burn out non-powered equipment;
- Support 802.1Q VLAN, MTU-VLAN, suitable for a variety of networking business needs;
- Second gear pull: WEB + CLOUD (domestic factory default CLOUD, overseas default WEB);
- Support port QOS, port traffic restriction;
- Support App "Amitres IOT" to remotely manage switch, support local web management;
- DHCP snooping only supports cascaded ports;
- Support broadcast and multicast storm suppression;
- Port mirroring function All cascaded ports + POE ports only support two;
- Provide 6 100M POE RJ45 ports + 2 1000M POE RJ45 ports, 2 1000Mbps cascaded RJ45 ports and 1 1000M SFP port;
- All ports support Auto Flip (Auto MDI/MDI-X) function;
- Support IEEE802.3X full duplex flow control and Backpressure half duplex flow control;
- MAC address binding supports all cascaded ports + POE ports only support two;
- Full metal shell, the whole machine is fully loaded with 120W.;
- Plug and Play;

3. Functional Switch And Definition Of Indicator:



Indicator Light:

| Indicator Light | Definition | Functional Description |
|----------------------|------------|--------------------------------------------------------------------------------|
| Functional Indicator | PWR | Switch power status indicator, light up to indicate that the device is started |
| | CLOUD | ON: Remote cloud management function is turned on |
| Port Indicator | Link/ACT | ON: the port link is normal; Flashing: data transmission is in progress |

Gear Description

| Gear | Definition | Functional Description |
|-------|------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| CLOUD | Remote Management Mode | Enable local WEB management and remote APP management functions |
| WEB | Local Management Mode | WEB local management mode |
| RESET | | The switch is at WEB, within 1 second, unplug to CLOUD and then unplug back to WEB, switch restart and restore factory settings |

4. Basic Specification

| Item | Parameter |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Port Composition | 6 100Mbps POE. RJ45 ports + 2 1000Mbps POE. RJ45 ports + 2 1000Mbps cascaded RJ45 ports + 1 1000Mbps SFP port |
| Backplane Bandwidth | 11.2G |
| MAC Addresses | 2K |
| Packet forwarding rate@64byte (throughput) | 8.33Mpps |
| Power Specifications | AC Input 100-240V, Standard 120W power supply |
| Network Media And Transmission Distance | 1000Base-T: 4 pairs of Super Class 5 (Cat5e) or above UTP/STP ($\leq 100m$) 100Base-TX: 2 pairs of 5 (Cat5) or above UTP/STP ($\leq 100m$) 10Base-TX: 2 pairs of 5 (Cat5e) or above UTP/STP ($\leq 250m$) |

5. Software Specification

| Item | Parameter |
|------|-----------|
| | |

| Item | Parameter |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Basic Function | Comply with IEEE 802.3 Ethernet and IEEE 802.3u Fast Ethernet protocol standards Compatible with IEEE 802.3af/at compliant power receiving devices (PD) Compatible with certified non-standard power receiving equipment (PD) Store and forward MAC automatic learning and aging IEEE802.3X Full Duplex Flow Control and Backpressure Half Duplex Flow Control |
| Ethernet Protocols And Standards | IEEE 802.3 Ethernet Media Access Control Protocol IEEE 802.3i 10BASE-T Ethernet IEEE 802.3u 100BASE-TX Fast Ethernet IEEE 802.3ab 1000BASE-T Gigabit Ethernet IEEE802.3z 1000Base-X SFP interface IEEE 802.3af Power Supply for Ethernet Devices through Ethernet Data Pairs or Devices IEEE 802.3at High Power Supply for Ethernet Devices through Ethernet Data Pair or Device IEEE 802.3x Flow Control |
| Data Transfer Rate | Ethernet 10Mbps half-duplex, 20Mbps full duplex Fast Ethernet 100Mbps half-duplex, 200Mbps full duplex Gigabit Ethernet 2000Mbps Full Duplex |

| Item | The supported contents of the remote control end (through the APP "Amitres IOT") |
|--------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Cloud Network Management: Information View | Switch SN information, device model, firmware version, real-time IP, real-time port power, port LINK status, link duplex, up and down rate, VLAN status; |
| Cloud Network Management: Device Operation | Port isolation setting, port restart, port POE switch, port speed limit, port ultra-long switch, switch whole machine restart, whole machine setting reset, port duplex setting, firmware upgrade, VLAN setting; |
| Safety Features | Order-based protection Support MAC/PORT binding Support DHCP snooping and DHCP attack protection Support end-port security and end-port isolation Support CPU protection function |
| Access Control (ACL) | Supports port mirroring, port redirection, stream speed limiting, QoS relabeling |
| Quality of Service (QoS) | Support port priority, 802.1P priority, DSCP priority Support SP, WRR, SP + WRR, Equ priority scheduling algorithm |
| Management And Maintenance | Support WEB management Support PC client side management |

| | |
|--|-------------------------------------------------|
| | Support remote management via APP “Amitres IOT” |
|--|-------------------------------------------------|

6. POE Performance

| Item | Parameter |
|------------------------------------------------------------|-----------|
| IEEE802.3af | Support |
| IEEE802.3at | Support |
| Port Output Maximum Power | 30W |
| Overcurrent Protection | Support |
| Overvoltage Protection | Support |
| Short Circuit Protection | Support |
| Sequential boot (to avoid excessive instantaneous current) | Support |
| High Power PD Soft Start | Support |

7. Environmental Requirements

| Environment | Parameter |
|-------------|----------------------------------------------------------------------------------------------------|
| Temperature | Working Temperature: 0°C~40°C Storage Temperature: -40°C~70°C |
| Humidity | Working Humidity: 10%~90% RH non-condensing Storage Humidity: 5%~90% RH non-condensing |
| Altitude | Working: The maximum is 6500 feet (2000 meters) Storage: The maximum is 6500 feet (2000 meters) |

8. Weight

| Category | Weight |
|----------------------------------|--------------|
| Bare board (excluding packaging) | About 0.7kg |
| FCL weight (20PCS) | About 19.5kg |

9. Lighting Surge Protection (10/700us)

| Performance | Parameter |
|-------------------|-----------|
| Differential Mode | 4KV |
| Common Mode | 4KV |

10. Size Specification

| Category | Parameter |
|----------|-----------|
| | |

| | |
|---------------------------------|-------------------|
| Bare Machine | 190mm*140mm*43mm |
| Whole Machine (Neutral Packing) | 220mm*195mm*52mm |
| FCL(20PCS/carton) | 415mm*290mm*455mm |

11. Package、Transportation、Storage

| Packing Content | Parameter |
|--------------------|--------------------------------------------------------------------------------|
| Fill protection | Integrated card protection |
| Packing Box | High-quality kraft carton, size 415mm*290mm*455mm |
| Packaging Quantity | 20PCS(Carton) |
| QR Code | The packaging box and equipment body should have a unique equipment SN number. |
| Other | The packaging box should be labeled with the product model code and quantity. |

Transport Requirements: Domestic designated express logistics can be transported in whole boxes, suitable for transportation by car, ship, and plane. During transportation, it should be covered, sun protected, and loaded and unloaded in a civilized manner.

Store Requirements:

| Index | Requirements |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Humidity Environment | 5%~90% RH non-condensing |
| Temperature Environment | -40°C~70°C, Considering humidity, the most reasonable state is recommended for room temperature conditions |
| Stack Limit | In the complete packaging state, the maximum limit of 4 layers is |
| Precautions | The storage warehouse should be clean, ventilated, free of corrosive gases, flammable, explosive, and other corrosive chemicals. Keep away from heat sources and sources of strong mechanical vibration. |
| Storage Cycle | According to the above requirements, it can be stored reasonably for one year. After 2 years, it is recommended to re-inspect and then use it. |