

# Accept specification

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客 户 料 号 (PART NO.) :	
客 户 品 名 (DESCRIPTION) :	
产 品 型 号 (PRODUCT TYPE) :	GPS208
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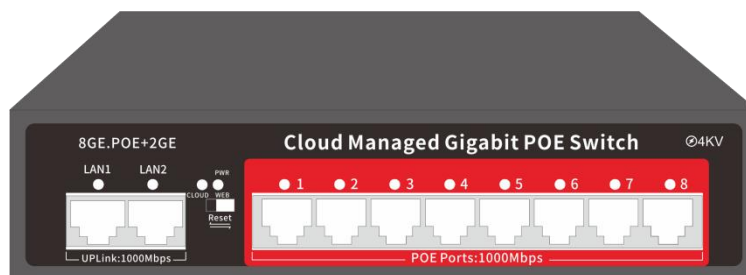
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## The Specification Of Cloud-managed PoE Switch Series(GPS208 V3)

### 1. Product Introduction:

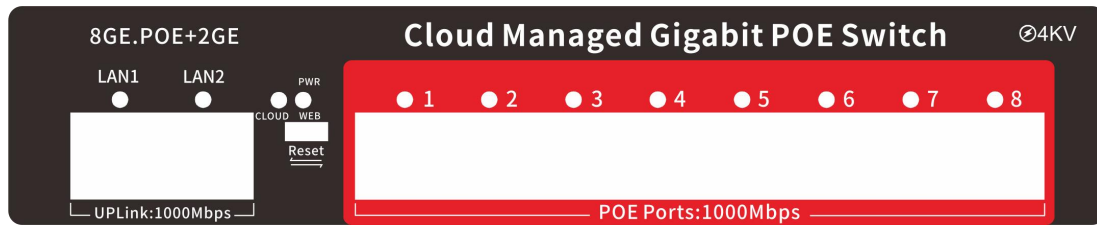
This product is our company's self-developed cloud network management series full Gigabit Ethernet POE power supply switch, providing 10 10/100/1000M adaptive RJ45 ports, and ports 1 to 8 have POE power supply function, which can be used as Ethernet power supply equipment. All power supply ports can automatically detect and identify power receiving equipment that meets IEEE 802.3af/at standards; 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. Functional 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;
- Overcurrent overload short circuit protection, eliminate hidden dangers, power supply safety;
- 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 AI (automatic ultra-remote and watchdog), the watchdog function of the whole machine;
- 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;
- Support DHCP snooping, port mirroring, port management and other management functions;
- Support broadcast and multicast storm suppression;
- Provide 8 10/100/1000M auto-negotiation POE (Power over Ethernet) power supply ports and 2 uplink 10/100/1000M auto-negotiation RJ45 ports.;
- All ports support Auto Flip (Auto MDI/MDI-X) function;
- Support for autonomous learning and aging of MAC addresses;
- 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	8 1000Mbps POE. RJ45 ports + 2 1000Mbps cascaded RJ45 ports
Backplane Bandwidth	20G
MAC Addresses	2K
Packet forwarding rate@64byte (throughput)	14.88Mpps
Power Specifications	AC Input 100-240V, Standard 120W power supply
Network Media And Transmission Distance	1000Base-T: 4 pairs of Cat5e or higher UTP/STP(≤100m) 100Base-TX: 2 pairs of Cat5 or higher UTP/STP(≤100m) 10Base-TX: 2 pairs of Cat5e or higher UTP/STP(≤250m)

## 5. Software Specification

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

Item	The supported contents of the remote control end (through the APP "Amitres IOT")
Cloud 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 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	<p>Order-based protection</p> <p>Support MAC/PORT binding</p> <p>Support DHCP snooping and DHCP attack protection</p> <p>Support end-port security and end-port isolation</p> <p>Support CPU protection function</p>
Access Control (ACL)	Supports port mirroring, port redirection, stream speed limiting, QoS relabeling
Quality of Service (QoS)	Support port priority, 802.1P priority, DSCP prioritySupport SP, WRR, SP + WRR, Equ priority scheduling algorithm
Management And Maintenance	<p>Support WEB management</p> <p>Support PC client side management</p> <p>Support remote management via APP "Amitres IOT"</p>

## 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)	Approximately 0.7kg
FCL weight (20PCS)	Approximately 20kg

## 9. Lighting Surge Protection (10/700us)

Performance	Parameter
Differential Mode	4KV
Common Mode	4KV

## 10. Size Specification

Category	Parameter
Bare Machine	190mm*140mm*43mm (Change earrings to grounding)
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)
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.