

# Accept specification

客 户 名 称(CUSTOMER):	
客 户 料 号(PART NO):	
客 户 品 名(PRODUCT NAME):	
产 品 型 号(PRODUCT TYPE):	GS108
内 部 版 本(INTERNAL VER):	V1.0
文 件 版 本 (FILE VER) :	A/1

## 承认签章后请回传

Please return to us one copy of “SPECIFICATION FOR APPROVAL”with  
your approved signatures

承认书 APPROVED SIGNATURES					
内部承认 (INTERNAL APPROVAL)			客户承认(CUSTOMER APPROVAL)		
工程 ENGINEER	审核 CHECKED BY	批准 APPROVAL BY	工程 ENGINEER	审核 CHECKED BY	批准 APPROVAL BY
陈平	黄志鹏	胡晓			
盖 章 签 署 (CHOP&SIGNATURES)			盖 章 签 署 (CHOP&SIGNATURES)		
日期 (DATE)		2023.02.23	日期 (DATE)		

地址：深圳市龙岗区宝龙街道宝龙社区宝龙四路鸿鑫宝高新科技园 A 栋 4 楼  
ADD: 4th Floor, Building A, Hongxinbao High-tech Park, Baolong 4th Road, Baolong  
Community, Baolong Street, Longgang District, Shenzhen

[illegible]

Catalog

1. Product Introduction: ..... 3

2. Functional Features: ..... 3

3. Indicator Definition: ..... 4

4. General Specs ..... 4

5. Software Specification ..... 4

6. POE Performance ..... 5

7. Environmental Requirements ..... 5

8. Product Weight ..... 5

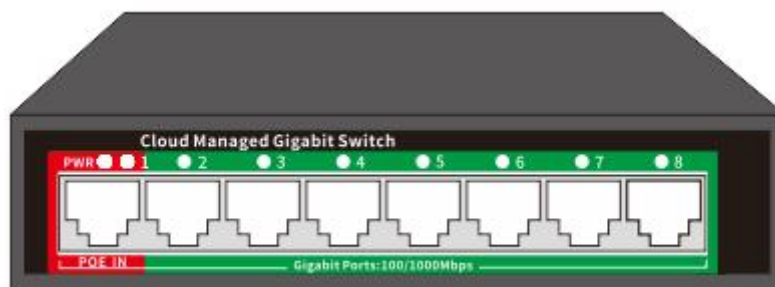
9. Dimensions ..... 6

10. Packing、Transportation、Storage ..... 6

# Cloud Management Series POE Switch Specification (GS108V 1.0)

## 1. Product Introduction:

This product is a fully gigabit cloud-managed switch independently developed by our company. It provides 5 10/100/1000Base-T RJ45 ports, supports national standard 802.3 POE and non-standard 48V-57V POE power receiving. 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:

- Support 802.1Q VLAN, MTU-VLAN, Port VLAN suitable for a variety of networking service requirements.
- Support port isolation;
- Support port QoS and port traffic limiting;
- Support network loop detection;
- Support national standard 802.3 POE and non-standard 48V-57V POE power receiving;
- Support App "Amitres IOT" to remotely manage switch, support local web management;
- Provide 8 10/100/1000Base-T RJ45 ports;
- Support Ethernet EEE of 802.3az, and support energy-saving mode;
- Support 4 Mbits packet cache;
- Support 15kbytes jumbo frames;
- All ports support the auto flipping (Auto MDI/MDI-X) function;
- Support full-duplex flow control of IEEE802.3X and half-duplex flow control of Backpressure;
- Support the autonomous learning and aging of MAC addresses;
- Support port MAC binding;
- Support port mirroring;
- Support local Web management;
- Cloud network management: Visual remote management, on-site problems, remote solution;
- Overcurrent, overload, and short circuit protection, to eliminate hidden dangers and ensure power receiving safety.
- plug and play;

### 3. Indicator Definition:

Indicator light	Definition	Description
PWR	Power Indicator	Switch power indicator light is lit: The device has been powered on.
Port LED	Link/ACT	If the port indicator is steady on, the connection is normal. If the port indicator is blinking, the data is being transferred

### 4. General Specs

Item	Data
Port Composition	8 1000Mbps RJ45 ports
Backplane bandwidth	16G
MAC address	8K
Packet forwarding rate@64byte (throughput)	11.904Mpps
power supply	DC input 9-57V, standard configuration power supply
Network medium and transmission distance	1000Base-T: 4 pairs of Super Category 5 (Cat5e) or above UTP/STP ( $\leq 100m$ ); 100Base-TX: 2 pairs of Category 5 (Cat5) or above UTP/STP ( $\leq 100m$ ); 10Base-TX: 2 pairs of Super Category 5 (Cat5e) or above UTP/STP ( $\leq 250m$ ).

### 5. Software Specification

Item	Parameter
Basic Function	Comply with IEEE802.3 Ethernet and IEEE802.3u Fast Ethernet protocol standard Compatible with POE power supply devices that comply with IEEE802.3af/at standards; Store and forward MAC auto learning and aging IEEE802.3X full-duplex flow control and Backpressure half-duplex flow control
Ethernet Protocol And Standard	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 IEEE 802.3x Traffic Control
Data Transmission Rate	Ethernet 10Mbps half-duplex, 20Mbps full-duplex Fast Ethernet 100Mbps half-duplex, 200Mbps full-duplex Gigabit Ethernet 2000Mbs full-duplex

Item	The supported contents of the remote control end (through the APP "Amitres IOT")
Cloud Network Management: Information Viewing	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 closure, port speed limit, port ultra-remote switch, switch whole machine restart, whole machine setting reset, port duplex setting, firmware upgrade, VLAN setting;
Security Features	Based on password protection Support MAC/PORT binding Support DHCP Snooping、DHCP attack protection Support port security、port isolation Support CPU protection function Support network loop detection
Access Control(ACL)	Support port mirroring、port redirection、flow rate limiting、QoS remarking
Quality of Service(QoS)	Support 8 port queues Support port priority、802.1P priority、DSCP priority Support SP、WRR、SP+WRR、Equ priority scheduling algorithm
Management and Maintenance	Support WEB Network management Support PC client management Support remote management via APP "Amitres IOT"

## 6. POE Performance

Item	Data
IEEE802.3af Power Receiving	Supported for one port
Power Receiving Overvoltage Protection	Supported

## 7. Environmental Requirements

Environment	Data
Temperature	Operating temperature: 0°C ~ 40°C Storage temperature: -40°C ~ 70°C
Humidity	Operating humidity: 10% ~ 90% RH(Relative Humidity) non-condensing Storage humidity: 5% ~ 90% RH(Relative Humidity) non-condensing
Altitude	Operating altitude: Maximum 6500 feet (2000 meters) Storage altitude: Maximum 6500 feet (2000 meters)

## 8. Product Weight

Category	Weight
----------	--------

Naked Machine (Without Packaging)	Approximately 0.25 kg
The Entire Box Weight (72 PCS)	Approximately 29kg

## 9. Dimensions

Category	Data
Naked Machine	132mm*80mm*27mm
Whole Machine	138mm*86mm*62mm
Whole Box(20PCS/carton)	435mm*425mm*390mm

## 10. Packing、Transportation、Storage

Packing Contents	Data
Filled Protection	Inner card protection
Packing Box	Premium cow card cardboard box, sized 435mm*425mm*390mm.
Packing Number	Pending
Others	The packing box should have labels indicating the product model codes and quantity.

**Transport Requirement:** Domestic designated express logistics can transport the whole box, and it is suitable for transportation by car, ship and plane. During transportation, it should be covered, sun-proof, and loaded and unloaded in a civilized manner.

### Store Requirement:

Packing Contents	Data
Humidity Environment	5% to 90% RH (relative humidity) without condensation
Temperature Environment	-40 °C to 70 °C, considering in combination with the humidity, the most reasonable state is recommended to be the room temperature condition
Stacking Limit	In the complete packaging state, the maximum upper limit is 4 layers.
Points For Attention	Storage warehouses should be clean, ventilated, free of corrosive gases, free of flammable, explosive and other corrosive chemicals, and away from heat sources, strong mechanical vibration sources.
Storage Cycle	According to the above requirements, reasonable storage can last for one year, and it is recommended to re-examine and use again after two years.