

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) : | GS105L |
| 内部版本 (VERSION) : | V1.0 |
| 文件版本 (FILE VERSION) : | A/0 |

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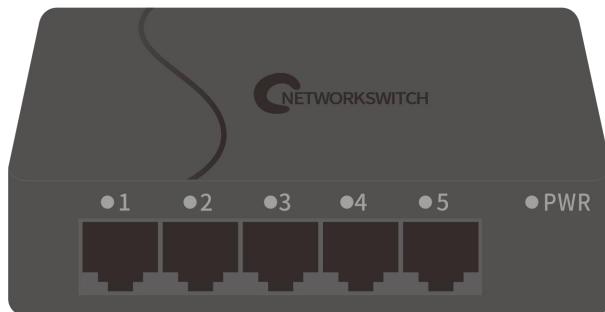
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The Specification Of Cloud-managed Switch Series (GS105L)

1. Product Introduction:

This product is a full gigabit cloud management switch independently developed by our company. It provides 5 10/100/1000Base-T RJ45 ports. 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 business needs;
- Support port isolation and port mirroring;
- Watchdog function of the whole machine;
- Support network loop detection;
- Support port QOS, port traffic restriction;
- Support broadcast and multicast storm suppression;
- Support APP "Amitres IOT" remote management switch, support local web management;
- Provide 5 10/100/1000Base-T RJ45 ports;
- Support 802.3az Ethernet EEE, support power saving mode;
- Support 4 Mbits packet cache; support 15kbytes giant frame;
- All ports support Auto Flip (Auto MDI/MDI-X) function;
- Support IEEE802.3X full duplex flow control and Backpressure half duplex flow control;
- Support for autonomous learning and aging of MAC addresses;
- Support port MAC binding;
- Cloud network management: visual remote management, on-site problems, remote resolution;
- Overcurrent overload short circuit protection, eliminate hidden dangers, power safety;
- Plastic housing, plug and play;

3. Definition Of Indicator:

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

4. Basic Specification

| Item | Parameter |
|--|--|
| Port Composition | 5 1000Mbps .RJ45 ports |
| Backplane Bandwidth | 10G |
| MAC Addresses | 2K |
| Packet forwarding rate@64byte (throughput) | 7.44Mpps |
| Power Specifications | AC input 100~240V, 50/60Hz Built-in 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 |
|----------------------------------|--|
| Basic Function | Comply with IEEE 802.3 Ethernet and IEEE 802.3u Fast Ethernet protocol standards 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 IEEE 802.3x Traffic Control |
| Data Transfer 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 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 closure, port speed limit, port ultra-remote 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 port mirroring Support broadcast and multicast storm suppression 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) | Supports 5 ports queue 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. 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) |

7. Weight

| Category | Weight |
|----------|--------|
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|----------------------------------|----------------------|
| Bare board (excluding packaging) | Approximately 0.12kg |
| FCL weight (100PCS) | Approximately 14.5kg |

8. Size Specification

| Category | Parameter |
|---------------------------------|-------------------|
| Bare Machine | 106mm*74mm*24mm |
| Whole Machine (Neutral Packing) | 105mm*133mm*30mm |
| FCL(100PCS/carton) | 550mm*340mm*290mm |
| Tail length (including plug) | 700mm |

9. Package、Transportation、Storage

| Packing Content | Parameter |
|--------------------|---|
| Fill protection | Independent box packaging |
| Packing Box | High-quality kraft carton, size 550mm*340mm*290mm |
| Packaging Quantity | 100PCS |
| 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. |