

Accept specification

客户名称 (CUSTOMER) :	
客户料号 (PART NO.) :	
客户品名 (DESCRIPTION) :	
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陈平	黄志鹏	胡晓			
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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

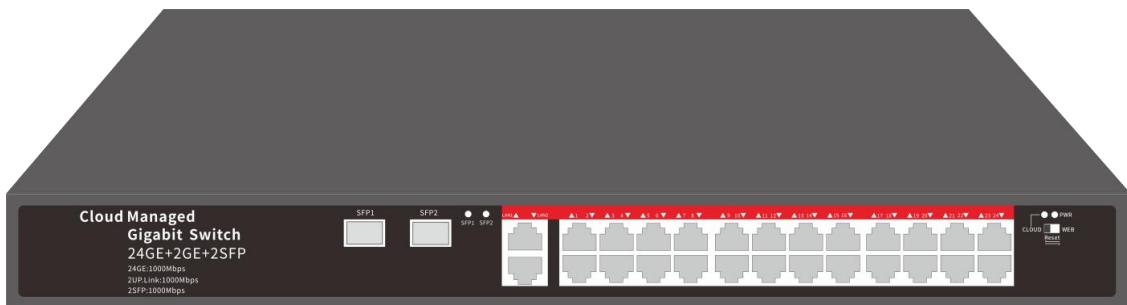
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Specification Document Of Cloud Network Management Series Switch (GFS226)

1. Production Introduction:

This product is a fully gigabit cloud-managed switch independently developed by our company. It provides 26 10/100/1000M adaptive RJ45 ports and 2 1.25G SFP 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:

- Provides 24 10/100/1000Base-T RJ45 ports, 2 uplink 10/100 / 1000M adaptive RJ45 ports, and 2 Gigabit SFP ports;
- Adhere to the IEEE 802.3 Ethernet, IEEE 802.3u Fast Ethernet, IEEE 802.3ab protocol standards;
- Supports APP "Amitres IOT" to remotely manage the switch, and supports local web management;
- Supports port speed limit, port duplex setting, port mirroring and other port management;
- Supports 802.1Q VLAN, MTU-VLAN, Port VLAN, suitable for various networking business needs;
- Supports Spanning Tree Protocol: STP (IEEE802.1d), RSTP (IEEE802.1w)
- Supports broadcasting and multicast storm suppression;
- Supports DHCP Snooping to restrict access to illegal DHCP servers;
- Supports autonomous learning and aging of MAC addresses and dynamic MAC port binding;
- All ports support the Auto MDI/MDI-X function;
- Supports IEEE802.3X full-duplex flow control and Backpressure half-duplex flow control;
- Cloud network management: visualize remote management, on-site problems, remote solutions;
- Overcurrent and overload short-circuit protection, eliminating hidden dangers and ensuring safe power supply;
- Plug and play;

3. Functional Switch And Definition Of Indicator Light:



Indicator Light:

Indicator	Definition	Function Description
Function indicator	PWR	switch power status indication, lighting indicates that the device has been started
	CLOUD	Lighting: Remote cloud management function is turned on
Network port indicator light	Link/ACT	Lighting: The port's connection is normal; Blinking: Data is being transferred

Switch Gear Description

Gear	Definition	Function 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 in the WEB position. Within 1 second, toggle to CLOUD, then back to WEB. The switch will restart and restore factory settings;

4. Basic Specification

Item	Data
Port Composition	24 10/100/1000Mbps RJ45 ports, 2 uplink 10/100/1000M adaptive RJ45 ports, 2 gigabit SFP ports
Backplane bandwidth	56G
MAC Address	8K
Packet forwarding rate@64byte (throughput)	41.664Mpps
Power supply	AC input 100-240V, 24W Internal power
Network media and transmission	1000Base-T: 4 pairs of Cat5e or higher UTP/STP(\leq 100m)

Item	Data
distance	100Base-TX: 2 pairs of Cat5 or higher UTP/STP($\leq 100m$) 10Base-TX: 2 pairs of Cat5e or higher UTP/STP($\leq 250m$)

5. Software Specification

Item	Data
Basic functions	Comply with IEEE 802.3 Ethernet IEEE802.3u Fast Ethernet protocol standards Compatible with POE power supply devices that comply with the IEEE 802.3af/at standards store and forward MAC automatic learning and aging IEEE802.3X full-duplex flow control & 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 802.3x flow control
Data transmission 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 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 shutdown, port speed limit, port remote switch, switch whole machine restart, whole machine setting reset, port duplex setting, firmware upgrade, VLAN setting;
Security 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 Support loop management
Access control	Support port mirroring, port redirection, flow rate limiting, and QoS remarking

(ACL)	
Quality of Service (QoS)	Support port priority, 802.1P priority, DSCP priority Support SP, WRR, SP + WRR, Equ priority scheduling algorithm
STP Protocols	Support STP(IEEE 802.1d), RSTP(IEEE 802.1w) protocols
Management and Maintenance	Support WEB network management Support PC client management Support remote management via APP “Amitres IOT”

6. Environment 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 altitude: Maximum 6500 feet (2000 meters) Storage altitude: Maximum 6500 feet (2000 meters)

7. Weight

Item	Weight
Bare Metal(Without package)	Approximately 1.9kg
FCL(5PCS)	Approximately 12kg

8. Size Specification

Category	parameter
Bare Metal	440mm*180mm*45mm (With ear hook)
Whole Machine (Neutral package)	465mm*90mm*265mm
FCL(5PCS/carton)	480mm*470mm*280mm

9. Package、Transportation、Storage

Packing Contents	Data
Filled Protection	Wrapped on the left and right by pearl cotton sleeves for comprehensive protection.
Packing Box	Premium cow card cardboard box, sized 480mm*470mm*280mm
Packing Number	5PCS(carton)

QR code	The packaging box and the device body should have a unique device SN number.
Others	The packaging box should have a label marking the product model code and quantity. This model can be adapted to the rack mounting ears.

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:

Index	Requirements
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.