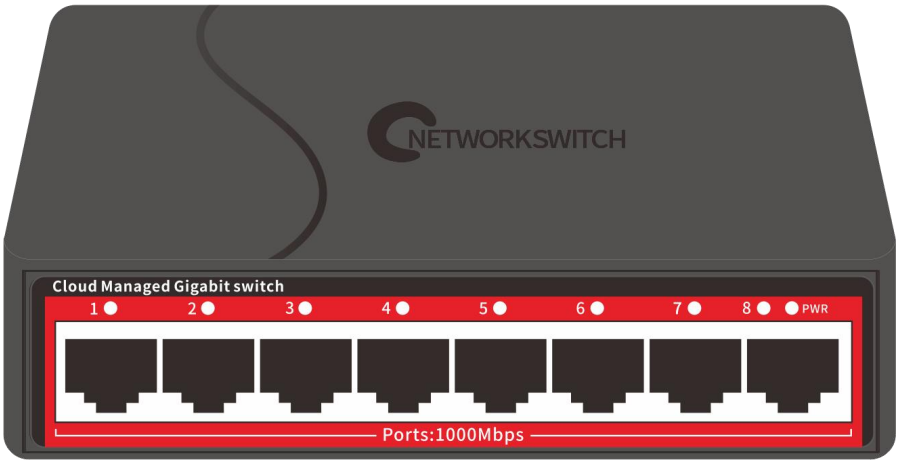
Specification Document Of Cloud Network Management Series Switch (GE800CP)

1. Production Introduction:

This product is a full gigabit cloud management switch independently developed by our company. It provides 8 10/100/1000Base-T RJ45 ports. It supports remote mobile phone access to monitor the operation status of the switch and manage various network functions. It can remotely manage the switch through the App "Amitres IOT", and can remotely view the management switch port. Support login management through web pages.



2. Functional Features:

- Support 802.1Q VLAN, MTU-VLAN, Port VLAN, suitable for a variety of networking business needs;
- Support port isolation;
- Support port mirroring;
- Support port QOS, port traffic restriction;
- Support network loop detection; support broadcast and multicast storm suppression;
- Support remotely managing the switch through the App "Amitres IOT" and support local web management;
- Provide 8 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. Functional Switch And Definition Of Indicator Light:

Indicator	Definition	Function Description
PWR	Power Indicator	switch power status indication, lighting indicates that the device has been started
Port Indicator	Link/ACT	Lighting: The port’ s connection is normal; Blinking: Data is being transferred

4. Basic Specification:

Item	Data
Port Composition	8 1000Mbps .RJ45 ports
Backplane Bandwidth	16G
MAC Address	8K
Power Supply	AC input 100~240V，50/60Hz
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	Data
Basic functions	Complies with IEEE 802.3 Ethernet and IEEE 802.3u Fast Ethernet protocol standards Compatible with IEEE 802.3af/at compliant POE-powered devices 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

Item	Data
	IEEE 802.3ab 1000BASE-T Gigabit Ethernet 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 2000Mbs 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	VLAN setting, port restart, port POE switch, port extension switch, switch restart, whole machine setting reset, firmware upgrade
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
Access control (ACL)	Support port mirroring, port redirection, flow rate limiting, and QoS remarking
Quality of Service (QoS)	Supports 8 port queues Support port priority, 802.1P priority, DSCP prioritySupport 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. 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)	About 0.148kg
FCL(50PCS)	About 0.9kg

8. Size Specification:

Category	parameter
Bare Metal	132mm*78mm*27mm
Whole Machine（Neutral package)	105mm*162mm*32mm
FCL(10PCS/carton)	385mm*275mm*350mm
Tail length (including plug)	700mm

9. Package、Transportation、Storage:

Packing Contents	Data
Filled Protection	Independent box packaging
Packing Box	Premium cow card cardboard box, sized 385mm*275mm*350mm
Packing Number	50PCS
QR code	The packaging box should have a label marking the product model code 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:

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.