ICS5000-C48GP6XS
Three layer management industrial Ethernet PoE switch
Quick Installation Guide

【Package Checklist】

Please check the integrity of package and accessories while first using the switch.

1. Industrial Ethernet switch
2. Install components
3. Power line
4. Warranty card
5. Certificate

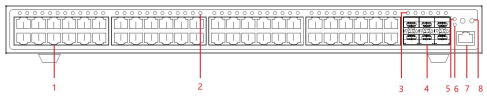
If any of these items are damaged or lost, please contact our company or dealers, we will solve it ASAP.

【Product Overview】

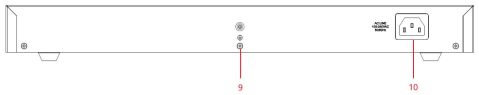
This series of products is a 54-port 10 Gigabit Layer 3 managed PoE switch, model: ICS5000-C48GP6XS-N (48 Gigabit PoE ports + 6 10 Gigabit SFP slots, 100~240VAC power input)

【Panel Design】

➢ **Front view**



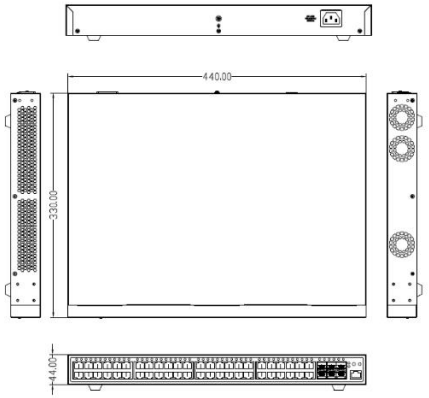
➢ **Rear View**



1. 10/100/1000Mbps Gigabit RJ-45 PoE port
2. Link/Act indicator light
3. SFP Port LED
4. 1000/10000Mbps 1000Mbps 10 Gigabit SFP slot
5. PWR indicator light
6. RUN indicator light
7. CONSOLE port
8. Restore default settings RESET
9. Grounding screw
10. Three core AC power interface

【Installation dimensions】

Unit: mm



Notice Before Mounting:

- Don't place or install the device in area near water or moist, keep the relative humidity of the device surrounding between 10%~90% without condensation.
- Before power on, first confirm the supported power supply specification to avoid over-voltage damaging the device.
- The device surface temperature is high after running; please don't directly contact to avoid scalding.

【Desktop Mounting】

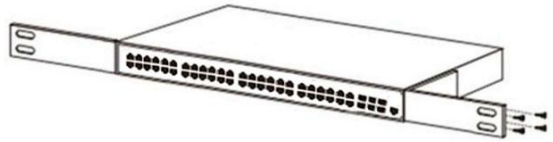
When the switch is installed on a stable desktop. Please install the attached rubber foot pads on the four corners of the bottom of the switch, and then place them at the designated positions on the desktop, leaving enough ventilation space for the switch to dissipate heat.

【Rack Mounting】

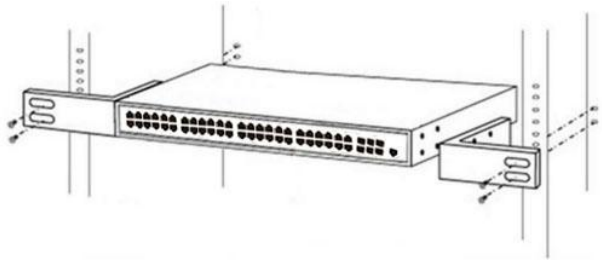
This product adopts rack-mounting, mounting steps as below:

Step 1 Select the device mounting location to ensure enough size.

Step 2 Adopt 4 bolts to install the mounting lugs in the device position as figure below.



Step 3 Place the device in the rack; adopt 4 bolts to fix two sides mounting lugs in the rack



Step 4 Check and confirm the product is mounted firmly on the rack, mounting ends.

【Disassembling Device】

Step1 Equipment power outage.

Step2 Use a screwdriver to loosen the four screws fixed to the rack ears.

Step3 Remove the device from the rack and complete the disassembly.

Notice before power on:

- Power ON operation: First insert the power supply

terminal block into the device power supply interface, then plug the power supply plug contact and power on.

- Power OFF operation: First, remove the power plug, then remove the wiring section of terminal block. Please pay attention to the above operation sequence.
- Please be aware of the power input range supported by the device before powering on. Use the recommended voltage of the device to avoid device damage.

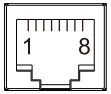
【Connect the power supply】

➢ **Power Supply**

Three core AC power socket.

Power range: 100~240VAC, 50/60Hz

【Console Port Connection】



Provide 1 program debugging port based on RS-232 serial port which can conduct device CLI command management after connecting to PC. The interface adopts RJ45 port, the RJ45 pin definitions are as follows:

Pin No.	2	3	5
Pin Definition	TXD	RXD	GND

【Checking LED Indicator】

This device provides LED indicator to monitor working status and simplify troubleshooting comprehensively. The detailed status of each indicator is shown in the following table:

Indicator	Panel ID	Status	Definition
Power indicator light	PWR	Indicator off	The switch is powered off
		Green flashing	The switch is powered on
System indicator light	RUN	Green flashing	System starting
		Green on	System startup completed
Ethernet port indicator light（Link/Act mode）	G1~G48	Indicator off	Port down Link
		Green on	Port 10/100/1000M links Up
		Green flashing	Port 10/100/1000M Data receiving and sending
SFP+Indicator light	X1~X6	Indicator off	Port down Link
		Green on	The port 1000/10000M Link Up
		Green flashing	Port 1000/10000M data receiving and sending
Ethernet port indicator light（PoE mode）	G1~G48	Indicator off	Port down Link
		Green on	The port is connected to the PD device

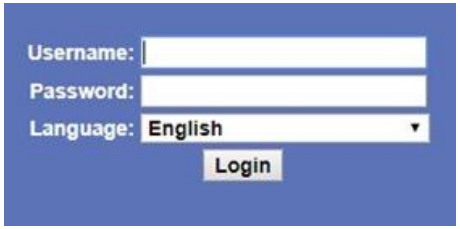
【Logging in to WEB Interface】

Support WEB management and configuration. Computer can access the device via Ethernet interface. The way of logging in to device's configuration interface via IE browser is shown as below:

Step 1 Configure the IP addresses of computer and the device to the same network segment, and the network between them can be mutually accessed

Step 2 Enter device's IP address in the address bar of the computer browser: 192.168.1.254.

Step 3 Enter device's username and password in the login window as shown below.



Step 4 Click "Login" button to login to the WEB interface of the device.

Note:

- The default IP address of the device is "192.168.1.254".
- The default user name and password of the device are "admin123".
- Please refer to user manual for specific configuration method of logging in to WEB interface and other configurations about network management function.

【Specification】

Panel	
Gigabit PoE electrical port	10/100/1000Mbps port adaptive RJ45 port supports MDI/ MDI-x adaptive, PoE power supply pins 1/2(+) and 3/6(-), and the maximum PoE output power consumption is 450W
Ten gigabit SFP	1000/10000bps port SFP slot
Console port	CLI command management port, RJ45
RESET	Restore factory settings key
indicator light	Power indicator light, system indicator light, interface indicator light, PoE indicator light
Fan	Three fans

Exchange attribute	
Exchange Properties	216G
backplane bandwidth	16Mbit
Cache size	32K
Built-in power supply	540W built-in power supply
Packet forwarding rate	160.704Mpps
Power Supply	
Input power supply	AC 100-240V/50-60Hz
Power waste	
Full-load	Max：500W(220V/50Hz)
Work environment	
Working temperature	0～45℃
Storage temperature	-40～70℃
Working humidity	5%～95%（无凝露）