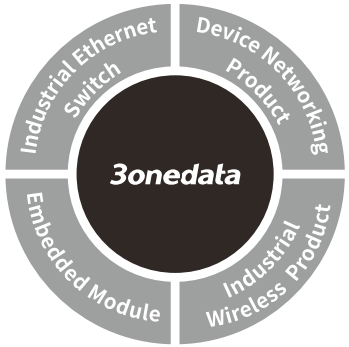
3onedata
Make network communication more reliable

ICS5028G-4XGS-8GC
Industrial Layer 3 Ethernet Switch
Quick Installation Guide



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【Package Checklist】

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

1. Industrial Ethernet switch
2. Power line x2
3. Quick installation guide
4. Serial port line
5. Rack-mounting lug x2
6. Foot pad x4
7. Software installation CD
8. Warranty card
9. Certification

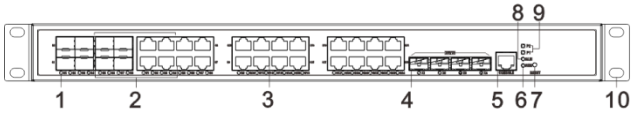
If any of these items are damaged or lost, please contact our company or dealers, we will solve it ASAP.

【Product Overview】

The series products are managed industrial Ethernet switches. The model is ICS5028G-4XGS-8GC (4 10GbE SFP (10 Gigabit/Gigabit self-adaption), 8 Gigabit combo, 16 Gigabit Copper Ports).

【Panel Design】

➢ **Front panel**



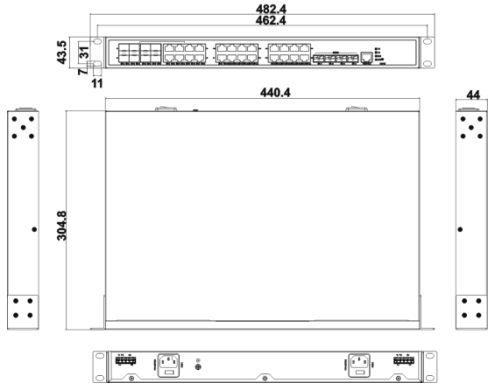
➢ **Rear panel**



1. Ethernet port indicator
2. Gigabit Combo port
3. Gigabit Ethernet copper port
4. 10 gigabit SFP+ port (10Gigabit / Gigabit self-adaption)
5. Console port
6. Device running status indicator
7. Restoring factory setting button
8. Alarm indicator
9. Power indicator (P1/P2)
10. Rack-mounting lug
11. Relay 2 output terminal blocks
12. AC power input (P2)
13. Grounding screw
14. AC power input (P1)
15. Relay 1 output terminal block

【Mounting Dimension】

Unit: mm



Note:

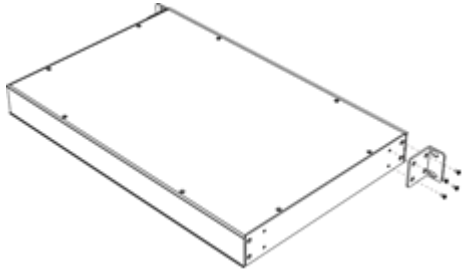
- Don't place or install the device in area near water or moist, keep the relative humidity of the device surrounding between 5%~95% without condensation.
- Before power on, first confirm the supported power supply specification to avoid over-voltage damaging the device.
- The device surface temperature is high after running; please don't directly contact to avoid scalding.

【Rack-mounting】

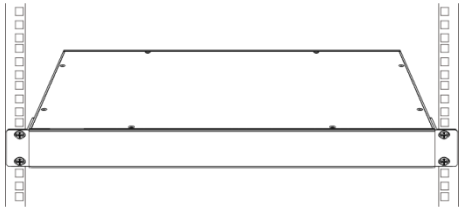
This product adopts rack-mounting, mounting steps as below:

Step 1 Select the device mounting position and ensure enough mounting size is reserved.

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 firmly installed on the rack, then mounting ends.

【Disassembling Device】

Step 1 Power off device.

Step 2 Adopt screw driver to loosen the 4 bolts fixed on the mounting lugs in the rack.

Step 3 Remove the device away from the rack, disassembling ends.

【Power Supply Connection】



This device provides 2 AC power supply access interfaces which come with a switch. The power supply input range is 100~240VAC/DC.

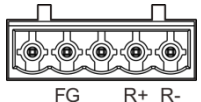
Note:

- Power ON operation: First insert the power supply terminal block into the device power supply interface, and then plug the power supply socket and power on.
- Power switch "—" means power ON, "O" means power OFF.
- Power OFF operation: First, put the powers switch to the "O" side and then disconnect the power supply. Finally disconnect the connector between the device and the power cord. Please notice the operation order above.

【Restoring Default Settings】

RESET is restoring default settings button. Restoring default settings steps as follows: Press and hold the RESET button, disconnect the power supply and then power on the device, wait for about 3~4 seconds to restore the factory settings.

【Relay Connection】



R+ and R- are the relay alarm output section. They are open circuit in normal non alarm state, closed when any alarm information occurs. The product supports 2-way relay alarm output, externally connected to alarm lights or alarm buzzer or other switching value collecting device in order to timely notify operators when the alarm occurs.

【Console Port Connection】

The series products provide 1 program debugging port based on RS-232 serial port which can conduct device CLI command management after connecting to PC. It adopts RJ45 interface, its pin definition is showed as follows:

Pin No.	2	3	5
Definition	TXD	RXD	GND

【Checking LED Indicator】

The series products provide LED indicators to monitor the device working status with a comprehensive simplified troubleshooting; the function of each LED is described in the table as below:

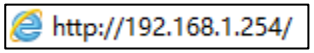
LED	State	Description
P1	ON	Power supply is connected or running normally
	OFF	Power supply is disconnected or running abnormally
P2	ON	Power supply is connected or running normally
	OFF	Power supply is disconnected or running abnormally
RUN	Blinking	System is running normally
	OFF	System is not running or running abnormally
	ON	System is running abnormally
ALM	ON	Power supply or the port's link is alarming.
	OFF	Power and the port's link exist no alarm
Link	ON	Port connection is active
(G1-G24, X1-X4)	Blinking	Data transmitted
	OFF	Port connection is not active

【Logging in to WEB Interface】

This device supports 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.



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



Step 4 Click "OK" 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 username and password of the device is "admin123".
- If the username or password is lost, user can restore it to factory settings via device DIP switch or management software; all modified configurations will be cleared after restoring to factory settings, so please backup configuration file in advance.
- Please refer to user manual for specific configuration method of logging in to WEB interface and other configurations about network management function.

【Specification】

Panel	
10GbE interface	10GbE SFP+ 10GbE port (10GbE/Gigabit self-adapting)
1000M Combo port	10/100/1000Base-T(X) RJ45 or 1000 Base-SFP interface optional
1000 Base-T(X)	10/100/1000 Base-T(X) self-adapting RJ45 port, half/full duplex self-adapting or compulsive working mode, support MDI/MDI-X self-adapting
Console port	CLI command line management port (RS-232), RJ45
Alarm interface	5-pin 5.08mm pitch terminal block (R+/R-), support 2 relay alarm output
Indicator	Power indicator, system alarm indicator, device running status indicator, interface connection/running status indicator
Switch property	
Backplane bandwidth	128G
Packet buffer size	12Mbit
MAC table size	16K
Power supply	
Input power supply	100~240VAC/DC
Access terminal	AC Access terminal: three-phase socket with rocker switch, support 2-way AC power supply input
Power consumption	
No-load consumption	10.5W
Full-load consumption	25.3W
Working environment	
Working temperature	-40～75℃
Storage temperature	-40～85℃
Working humidity	5%～95% (no condensation)
Protection grade	IP30 (aluminum shell)