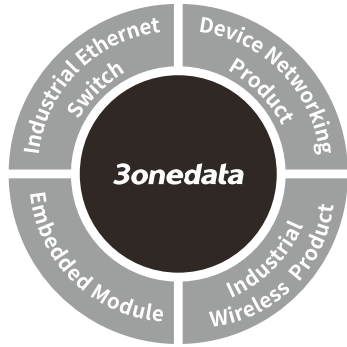


IES5328 Series Layer 2 Managed Industrial Ethernet Switch Quick Installation Guide



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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 (AC products only)
3. Serial port line
4. Rack-mounting lug x2
5. Foot pad x4
7. Warranty card
8. Certification

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

【Product Overview】

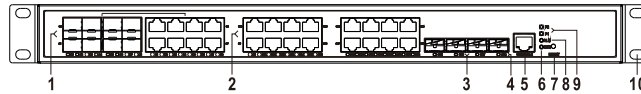
This series are managed layer 2 industrial Ethernet switches.

The models are:

- Model I. IES5328-16GT4GS8GC-2P220 (16 Gigabit Copper Ports + 4 Gigabit SFP + 8 Gigabit Combo + 2 220VAC Power Supplies)
- Model II. IES5328-16GT4GS8GC-2P48 (16 Gigabit Copper Ports + 4 Gigabit SFP + 8 Gigabit Combo + 2 48VDC Power Supplies)
- Model III. IES5328-16GT4GS8GC-2P24 (16 Gigabit Copper Ports + 4 Gigabit SFP + 8 Gigabit Combo + 2 24VDC Power Supplies)

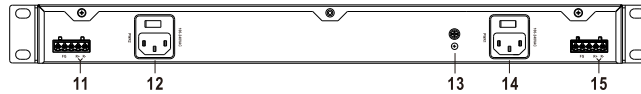
【Panel Design】

➤ Front panel

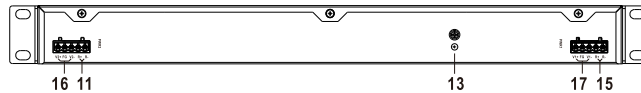


Model I, Model II, Model III

➤ Rear panel



Model I



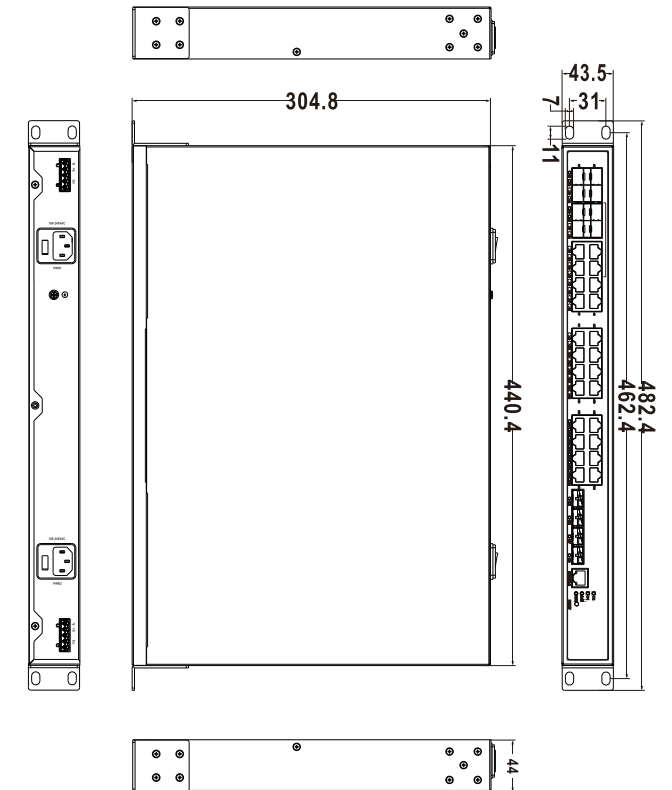
Model II, Model III

1. Gigabit Combo port (G1-G8)
2. Gigabit Ethernet copper port (G9-G24)
3. Gigabit SFP interface (G25-G28)
4. Ethernet port indicator (G1-G28)
5. Console port
6. Device running state indicator (RUN)
7. Restore default settings(RESET)
8. Alarm indicator (ALM)
9. Power indicator (P1/P2)

10. Lugs
11. Terminal blocks 2 for relay output
12. AC power supply input (PWR2)
13. Grounding screw
14. AC power supply input (PWR1)
15. Terminal blocks 1 for relay output
16. DC power supply input (PWR2)
17. DC power supply input (PWR1)

【Mounting Dimension】

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 5%~95% without condensation.
- Before power on, first confirm the supported power

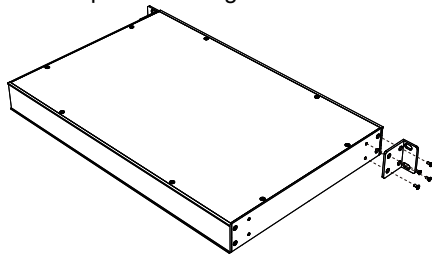
supply specification to avoid over-voltage damaging the device.

- The device surface temperature is high after running; please don't directly contact to avoid scalding.

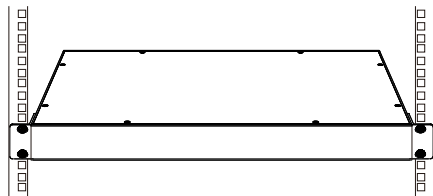
【Rack-Mounting】

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

- Step 1 Select the device mounting 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】

- Step 1 Device power off.
- Step 2 Adopt screw driver to loosen the 4 bolts fixed on the mounting lugs in the rack.
- Step 3 Shift out the device from rack, disassembling ends.



Notice before power on:

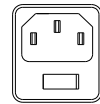
- Power ON operation: First insert the power supply

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

- Power 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.
- 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.

【Power Supply Connection】

➤ AC power supply



The Model I of this device provides 2 AC power supply access ports which come with a switch. Voltage range: 220VAC (100~240VAC/DC)

➤ DC power supply

Model II, III of this device provide 2 DC power supplies which are 5-pin 5.08mm pitch terminal blocks. The power supply occupies 3 pins on the left side and supports anti-reverse connection.

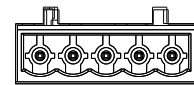
- Power supply range of Model II: 48VDC (36~72VDC).
- Power supply range of Model III: 24VDC (18~72VDC).

【Restore Default Settings】

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

【Relay Connection】

➤ DC products

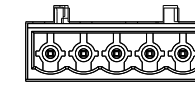


V1+FG V1- R+ R-

Model II, III of this device support 2 relay alarm information outputs which are 5-pin 5.08mm pitch terminal blocks.

It occupies 2 pins on the right side and R+ and R- are relay alarm output parts. They are open circuit in normal non alarm state, closed when any alarm information occurs. The relay can externally connect to alarm lights or alarm buzzer or other switching value collecting device in order to timely notify operators when the alarm occurs.

➤ AC products



FG R+ R-

Model I of this device support 2 relay alarm information outputs which are 5-pin 5.08mm pitch terminal blocks. It occupies 2 pins on the right side and R+ and R- are relay alarm output parts. They are open circuit in normal non alarm state, closed when any alarm information occurs. The relay can externally connect 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 device provides 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 definition 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	Indicate	Description
P1	ON	PWR is connected and running normally
	OFF	PWR is disconnected or running abnormally
P2	ON	PWR is connected and running normally


LED	Indicate	Description
	OFF	PWR is disconnected or running abnormally
RUN	Blinking	The system is running normally
	OFF	The system is not running or running abnormally
	ON	System is running abnormally
ALM	ON	Power supply or port link has alarm
	OFF	Power supply and port link have no alarm
Link(G1-G28)	ON	Port has established valid network connection
	Blinking	Port is in a network communication status
	OFF	Port hasn't established valid network connection.

【Logging in to WEB Interface】

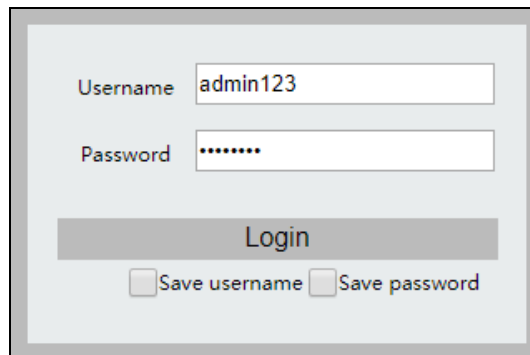
This device supports WEB management and configuration. Computer can access the device via Ethernet interface. The way of logging in to device's configuration interface via IE browser is shown as below:

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.

 <http://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 username and password of the device are "admin123".
- If the user name or password is lost, user can restore it to factory settings via restoring factory setting button 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	
Gigabit SFP	1000Base- X, SFP slot
1000M Combo port	10/100/1000Base-T(X) RJ45 or 100/1000 Base-SFP interface (optional)
Gigabit copper port	10/100/1000Base-T(X) self-adapting RJ45 port, half/full duplex self-adaption or forced working mode, support MDI/ MDI-X self-adaption

Console port	CLI command management port (RS-232), RJ45
Alarm interface	5-pin 5.08mm pitch terminal block (R+/R-), support 2 relay alarm information outputs
Indicator	Power indicator, system alarm indicator, device running status indicator, interface connection/running status indicator
Switch Property	
Backplane bandwidth	56G
Packet buffer size	12Mbit
MAC table size	16K
Power Supply	
Input power supply	Model I: 220VAC (100~240VAC/DC) dual power supply Model II: 48VDC (36~72VDC) dual power supply Model III: 24VDC (18~72VDC) dual power supply
Access terminal block	AC product supports single-phase socket with rocker switch DC product supports 5-pin 5.08mm pitch terminal blocks
Power Consumption	
Model I	No-load: 10.5W@220VAC Full-load: 25.3W@220VAC
Working Environment	
Working temperature	-40~75°C
Storage temperature	-40~85°C
Working humidity	5%~95% (no condensation)
Protection grade	IP30(metal shell)