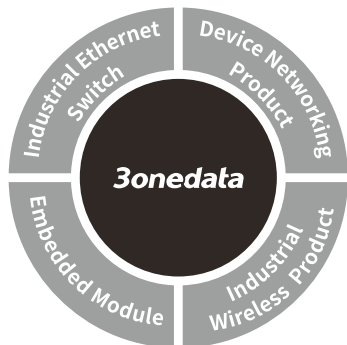


MES5000 Series Managed Industrial Ethernet Switch Quick Installation Guide



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【Package Checklist】

Please check whether the package and accessories are intact while using the switch for the first time.

- | | |
|-------------------------------|--|
| 1. Industrial Ethernet switch | 2. CD |
| 3. Quick installation guide | 4. Certification |
| 5. Warranty card | 6. AC power line x2
(only for AC product) |

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

【Product Overview】

The series of product is 28-port 100M/Gigabit managed industrial Ethernet switch. The modules are as follows:

Model I MES5000-4GS-24T (4 Gigabit SFP + 24 100M copper ports)

Model II MES5000-4GS-20T4F (4 Gigabit SFP + 20 100M copper ports + 4 100M fiber ports)

Model III MES5000-4GS-16T8F (4 Gigabit SFP + 16 100M copper ports + 8 100M fiber ports)

Model IV MES5000-4GS-12T12F (4 Gigabit SFP + 12 100M copper ports + 12 100M fiber ports)

Model V MES5000-4GS-8T16F (4 Gigabit SFP + 8 100M copper ports + 16 100M fiber ports)

Model VI MES5000-4GS-4T20F (4 Gigabit SFP + 4 100M copper ports + 20 100M fiber ports)

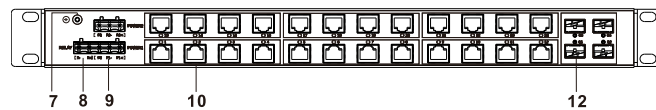
Model VII MES5000-4GS-24F (4 Gigabit SFP + 24 100M fiber ports)

【Panel Design】

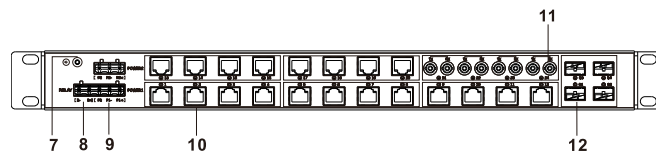
➤ Rear view



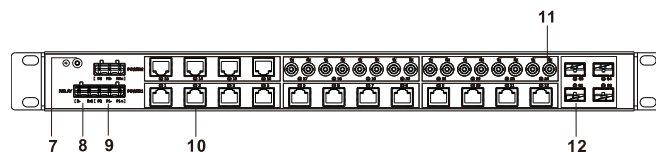
➤ Front view



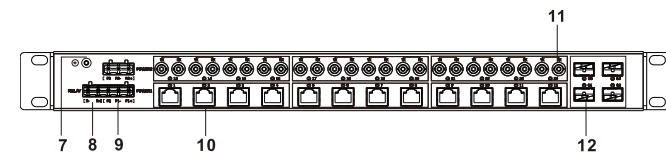
Model I



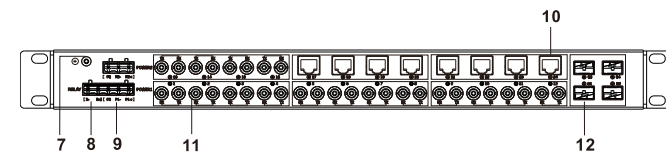
Model II



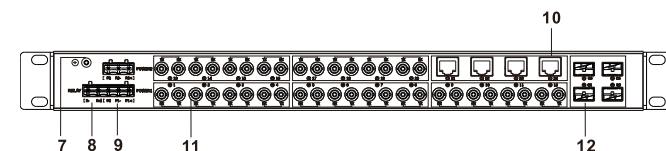
Model III



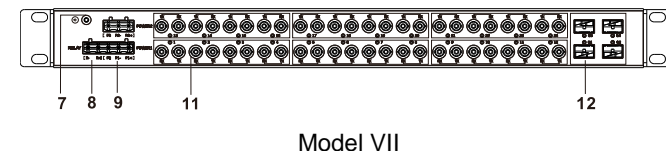
Model IV



Model V

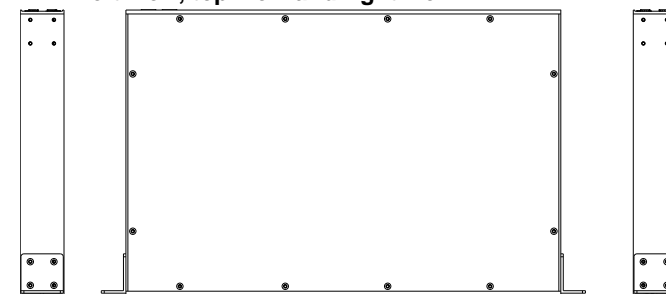


Model VI



Model VII

➤ Left view, top view and right view

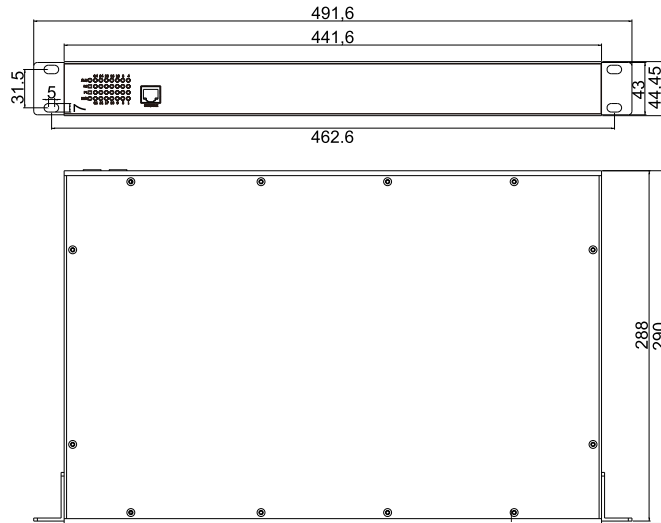


1. Hanger
2. System alarm indicator
3. Power supply indicator (P1, P2)
4. Device running indicator
5. Interface connection indicator
6. Console port
7. Grounding screw
8. Relay alarm output terminal block

9. Power input terminal block (POWER1/POWER2)
10. 100M copper port
11. 100M fiber port
12. Gigabit SFP interface

【Mounting Dimension】

Unit: mm

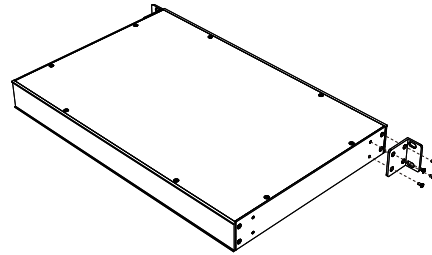


Attention before mounting:

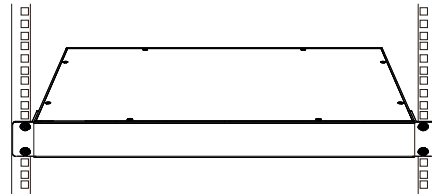
- Don't place or install the device in area near water or moist, keep the relative humidity of the device surrounding between 5%~95% without condensation.
- Before power on, first confirm the supported power supply specification to avoid over-voltage damaging the device.
- The device surface temperature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

【Rack-mounting the Device】

- Step 1 Select the device installation location to reserve sufficient size.
- Step 2 Adopt screws to install the mounting lugs in the device position as figure below.



- Step 3 Place the device in the rack; adopt 4 screws to install the mounting lugs on the left and right side in the rack.



- Step 4 Check and confirm the product is firmly installed on the rack, then mounting ends.

【Rack-mounting Device Disassembling】

- Step 1 Power off the device.
- Step 2 Unscrew the fixing screw of mounting lug on the rack.
- Step 3 Remove the device from the rack, disassembling ends.



Note:

- Power ON operation: first connect power line to the connection terminal of device power supply, then power on.
- Power OFF operation: first unpin the power plug, then remove the power line, please note the operation order above.

【Power Supply Connection】

The device provides 2 3-pin 7.62mm pitch power supply terminal blocks for power input, and support optional AC/DC power supply. Power input supports hot backup function, and provides two pair of input terminal blocks, POWER1 and POWER2, which could be used individually or connected to

two independent AC power supply systems. It uses two pairs of terminal blocks to connect to the device at the same time. When any one of the power supply systems fails, the device could operate normally without interruption, which has improved the reliability of network operation.

➤ DC power supply



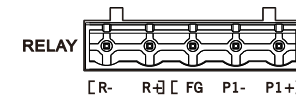
DC power supply range: 48VDC (36~72VDC). The sketch map of terminal is as shown above.

➤ AC power supply



AC power supply range: 220VAC (90~264VAC). The sketch map of terminal is as shown above.

【Relay Connection】



This device provides 2-pin 7.62mm pitch terminal for relay output, and it is integrated with POWER1 power terminal. Alarm function is controlled by software. They are open circuit in normal non alarm state. This product supports 1 channel relay alarm information output, support DC power alarm information or network abnormal alarm output, it can be connected to alerting lamp, alarm buzzer, or other switching value collecting devices for timely warning operating staffs when alarm information occurs.

【Console Port Connection】

This device provides 1 program debugging port based on RS232, which could be connected to PC for device CLI command management. The interface adopts RJ45 port. The pin definitions of RJ45 are as follows:

No.	2	3	5
Definition	TXD	RXD	GND

【Checking LED Indicator】

This device provides LED indicators for monitoring the work status of the device, which has simplified the troubleshooting process comprehensively. The function of each LED is described in the table as below:

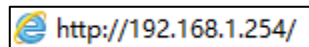
LED	Status	Description
P1, P2	ON	PWR is connected and running normally
	OFF	PWR is disconnected and running abnormally.
ALARM	ON	Power supply, port link alarm
	OFF	Power supply, port link without alarm
RUN	OFF	System is not running or running abnormally
	Blinking	System is running normally
Link/Act (1-24) (G1-G4)	ON	Ethernet port connection is active
	Blinking	Data is transmitting
	OFF	Ethernet port connection is inactive

【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 "admin12345".
- 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	
Gigabit SFP	1000Base-SFP, SFP slot
100M copper port	10/100Base-T(X) self-adaptive RJ45 port, self-adaptive full/half duplex mode or forced work mode, MDI/MDI-X self-adaption
100M fiber port	100Base-FX, optional SC/ST/FC interface

Console port	CLI command management port (RS-232), RJ45
Alarm interface	2-pin 7.62mm pitch terminal blocks, 1 relay alarm output, the current loading capability is 5A@30VDC or 10A@125VAC
Indicator	Power indicator, run indicator, interface indicator, alarm indicator
Exchange attributes	
Backplane bandwidth	12.8G
Packet buffer size	3Mbit
MAC table size	8K
Power supply	
Input power supply	Dual power supply redundancy, optional AC/DC power supply. AC voltage input: 220 VAC (90~264 VAC) Support 8A over-current protection DC voltage input: 48 VDC (36~72 VDC) Support 5.5A over-current protection
Input terminal	3-pin 7.62mm pitch terminal blocks
Consumption	
No-load	19.4W @220VAC
Full-load	21.9W @220VAC
Working environment	
Working temperature	-40~75℃
Storage temperature	-40~85℃
Working humidity	0%~95%(no condensation)
Protection grade	IP40 (metal shell)