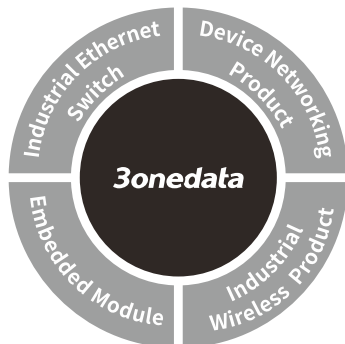


IES7110 Series Managed Industrial Ethernet Switch Quick Installation Guide



3onedata Co., Ltd.

Address: 3/B, Zone 1, Baiwangxin High Technology Industrial Park, Xili, Nanshan District, Shenzhen

Website: www.3onedata.com
Tel: +86 0755-26702688
Fax: +86 0755-26703485

【Package checklist】

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

- | | |
|--|------------------|
| 1. Industrial Ethernet switch | 2. Certification |
| 3. Quick installation guide | 4. Warranty card |
| 5. DIN-Rail mounting attachment | 6. CD |
| 7. Power line (standard configuration of AC equipment) | |

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 100M/Gigabit managed DIN-Rail industrial Ethernet switch. Models as follows:

Model I. IES7110-2GS-P (12~48VDC) (2 Gigabit SFP + 8 100M copper ports + 2 12~48VDC power supplies)

Model II. IES7110-2GS-P (100~240VAC/DC) (2 Gigabit SFP + 8 100M copper ports + 1 100~240VAC/DC power supply)

Model III. IES7110-2GS-2F-P (12~48VDC) (2 Gigabit SFP + 6 100M copper ports + 2 100M fiber ports + 2 12~48VDC power supplies)

Model IV. IES7110-2GS-2F-P (100~240VAC/DC) (2 Gigabit SFP + 6 100M copper ports + 2 100M fiber ports + 1 100~240VAC/DC power supplies)

Model V. IES7110-2GS-4F-P (12~48VDC) (2 Gigabit SFP + 4 100M copper ports + 4 100M fiber ports + 2 12~48VDC power supplies)

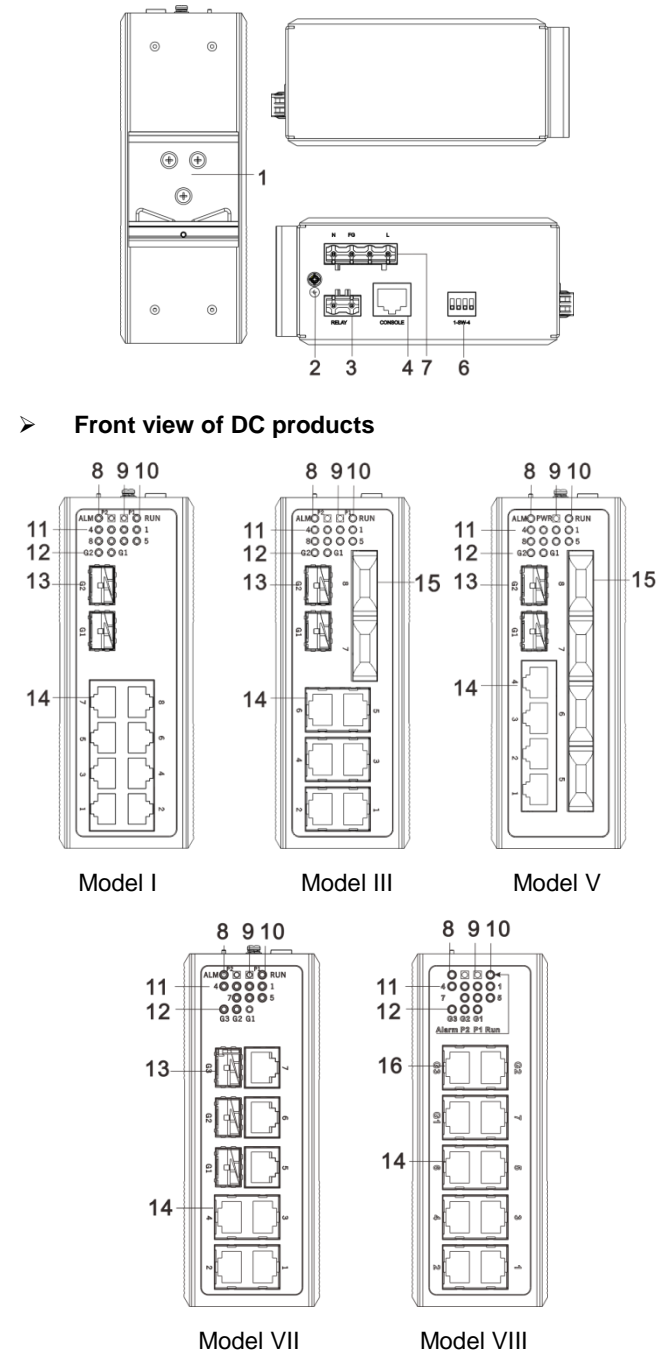
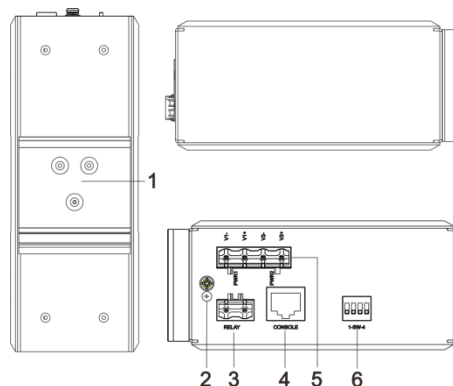
Model VI. IES7110-2GS-4F-P (100~240VAC/DC) (2 Gigabit SFP + 4 100M copper ports + 4 100M fiber ports + 1 100~240VAC/DC power supply)

Model VII. IES7110-3GS-P (12~48VDC) (3 Gigabit SFP + 7 100M copper ports + 2 12~48VDC power supplies)

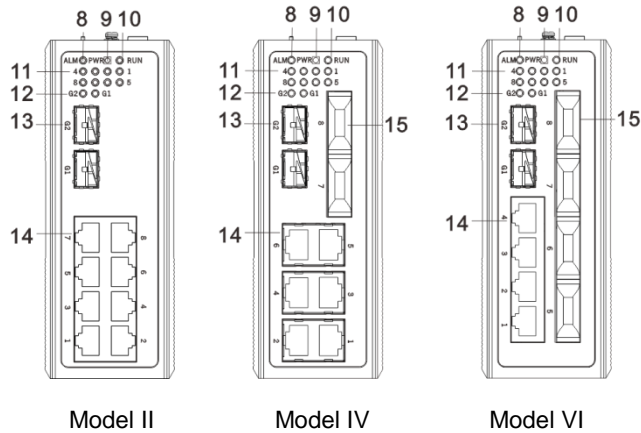
Model VIII. IES7110-3GT-P (12~48VDC) (3 Gigabit copper ports + 7 100M copper ports + 2 12~48VDC power supplies)

【Panel design】

➤ Rear view, Top view and Bottom view



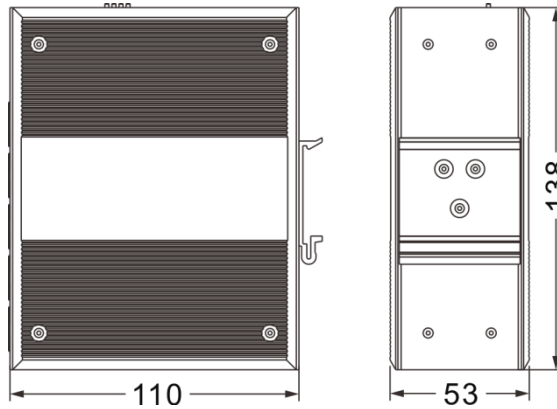
➤ Front view of AC products



1. DIN-Rail mounting kit
2. Grounding screw
3. Relay alarm output terminal block
4. Console port
5. DC dual power supply input terminal block
6. DIP switch
7. AC single power supply input terminal block
8. Relay alarm indicator ALM/Alarm
9. Power supply input status indicator P1/P2/PWR
10. Device running indicator RUN
11. 100M Ethernet port connection indicator
12. Gigabit Ethernet port connection indicator
13. 1000Base-SFP Ethernet SFP slot
14. 10/100Base-TX Ethernet copper port
15. 100Base-FX Ethernet fiber port
16. 10/100/1000Base-T(X) Ethernet copper port

【Mounting Dimension】

Unit: mm

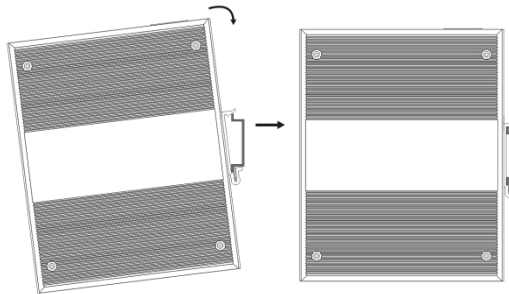


Attention before mounting:

- 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.

【DIN-Rail Mounting】

For convenient usage in industrial environments, the product adopts 35mm DIN-Rail mounting, mounting steps as below:



- Step 1 Check whether the DIN-Rail mounting kit that comes with the device is installed firmly.
- Step 2 Insert the bottom of DIN-Rail mounting kit (one side with spring support) into DIN-Rail, and then insert the top into DIN-Rail.

Tips:

Insert a little to the bottom, lift upward and then insert to the top.

- Step 3 Check and confirm the product is firmly installed on DIN-Rail, and then mounting ends.

【Disassembling DIN-Rail】

- Step 1 Power off the device.
- Step 2 After lift the device upward slightly, first shift out the top of DIN-Rail mounting kit, and then shift out the bottom of DIN-Rail, disassembling ends.

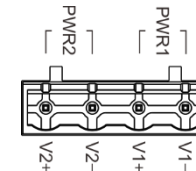


Attention before powering on:

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

【Power Supply Connection】

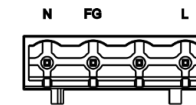
➤ DC dual power supply



The products of model I, model III, model V, model VII and model VIII support DC dual power supply. And they provide 4 pins power input terminal blocks and two independent DC power supply systems of PWR1 and PWR2.

The power supply supports nonpolarity and anti-reverse connection. It can normally operate after reverse connection. Power supply range: 12~48VDC

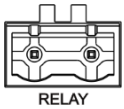
➤ AC single power supply



The products of model II, model IV and model VI support AC single power supply and provide 4 pins 7.62mm pitch power input terminal blocks. The definitions of terminal blocks as follows: N/-, PG, L/+.

Power supply range: 100~240VAC/DC.

【Relay Connection】



Relay terminal blocks are a pair of normally open contacts in the alarm relay of the device. They are open circuit in the status of normal no alarm, and closed when any warning message occurs. For example: they are closed and send out alarm when power off. The product supports 1 relay warning message output, and warning messages output of the DC power supply or network abnormal alarm output. It can be connected to alarm indicator, alarm buzzer, or other switching value collecting devices for timely warning operating staffs when the warning message occurs.

【DIP Switch Settings】



The product provides 4 pins DIP switch for function settings, where "ON" is the enable valid terminal. Please power on again before changing the DIP switch status.

DIP switch definitions as follows:

DIP	Definition	Operation
1.	reserved	-
2.	Restore factory defaults	Set the DIP switch to ON, the device will automatically restore factory defaults, and then turn off the DIP switch.
3.	Upgrade	Set the DIP switch to ON for upgrading the device, and then turn it off.
4.	Reserved	-

【Console Port Connection】

The device provides 1 procedure debugging port based on serial port, and can manage the CLI command line of the device after connected to PC. The interface adopts RJ45 port, the RJ45 pins definition as follows:

Pin No.	2	3	5
Definition	TXD	RXD	GND

【Checking LED Indicator】

The function of each LED is described in the table as below:

LED	Status	Description
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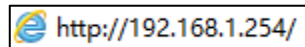
PWR/P1/P2	ON	Power supply is connected and running normally
	OFF	Power supply is disconnected and running abnormally.
ALM/Alarm	ON	Power supply and port link alarm
	OFF	Power supply and port link without alarm
RUN	ON	The device is powering on or abnormal.
	OFF	The device is powered off or abnormal.
	Blinking	Blink once per second, the device is running well.
Link/ACT (1-7/8,G1-G2/G3)	ON	Ethernet port connection is active.
	Blinking	Data transmitted
	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 "admin".
- 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
Gigabit copper port	10/100/1000Base-T(X) self-adapting RJ45 port, full/half duplex self-adaption or specified operating mode, support MDI/MDI-X self-adaption

100M copper port	10/100Base-T(X) self-adapting RJ45 port, full/half duplex self-adaption or specified operating mode, support MDI/MDI-X self-adaption
100M fiber port	100Base-FX, optional SC/ST/FC port
Console port	CLI command management port (RS-232), RJ45
Alarm interface	2 pins 7.62mm pitch terminal blocks, support 1 relay alarm information output, the current load capacity is 1A@24VDC
Indicator	Power indicator, running indicator, interface indicator and alarm indicator
Exchange attributes	
Backplane bandwidth	7.6G
Packet buffer size	1Mbit
MAC table size	8K
Power supply	
Input power supply	12~48VDC or 100~240VAC/VDC DC power supply supports dual power supply redundancy, nonpolarity and anti-reverse connection Support built-in overcurrent 4.0A or 5.0A protection
Access terminal	4 pins 7.62mm pitch terminal blocks
Consumption	
No-load	≤ 6.14W@24VDC
Full-load	≤ 9.24W@24VDC
Environmental Limits	
Working temperature	-40~75℃
Storage temperature	-40~85℃
Working humidity	5%~95% (no condensation)

Protection grade	IP40 (metal shell)
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