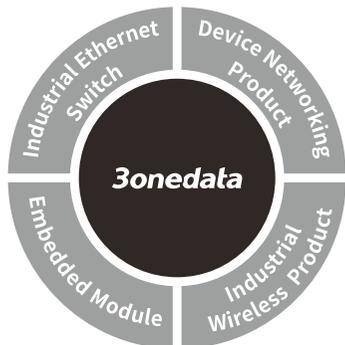


## IES6210 Series Managed Industrial Ethernet Switch Quick Installation Guide



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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. Certification |
| 3. Quick installation guide     | 4. Warranty card |
| 5. DIN-Rail mounting attachment | 6. CD            |

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 DIN-Rail industrial Ethernet switches. Models as follows:

Model I. IES6210-8T2GC-2P48 (8 100M copper ports + 2 Gigabit Combo ports + 2 48VDC power supplies)

Model II. IES6210-8T2GC-P220 (8 100M copper ports +2 Gigabit Combo ports +1 220VAC power supply)

Model III. IES6210-4T2GC-2P48 (4 100M copper ports + 2 Gigabit Combo ports + 2 48VDC power supplies)

Model IV. IES6210-4T2GC-P220 (4 100M copper ports + 2 Gigabit Combo ports + 1 220VAC power supply)

Model V. IES6210-8P2GC-2P24-120W (8 100M POE copper ports +2 Gigabit Combo ports +2 24VDC power supplies +120W POE power)

Model VI. IES6210-8P2GC-2P48-120W (8 100M POE copper ports +2 Gigabit Combo ports +2 48VDC power supplies +120W POE power)

Model VII. IES6210-8P2GC-2P48-240W (8 100M POE copper ports + 2 Gigabit Combo ports + 2 48VDC power supplies +240W POE power)

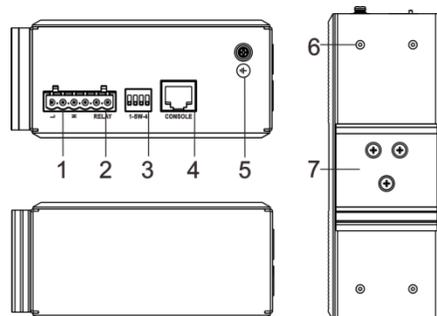
Model VIII. IES6210-4P2GC-2P24-60W (4 100M POE copper ports +2 Gigabit Combo ports +2 24VDC power supplies + 60W POE power)

Model IX. IES6210-4P2GC-2P24-120W (4 100M POE copper ports + 2 Gigabit Combo ports +2 24VDC power supplies + 120W POE power)

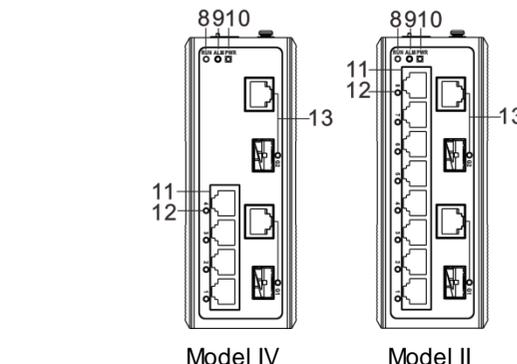
Model X. IES6210-4P2GC-2P48-120W (4 100M POE copper ports +2 Gigabit Combo ports +2 48VDC power supplies + 120W POE power)

### 【AC Panel Design】

#### ➤ Top view, Bottom view and Rear view



#### ➤ Side view



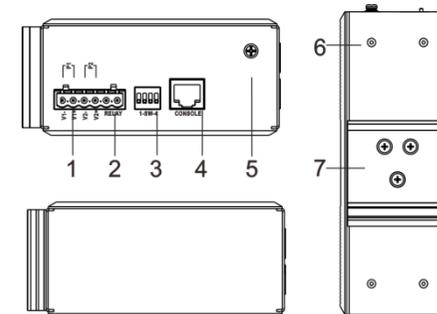
Model IV

Model II

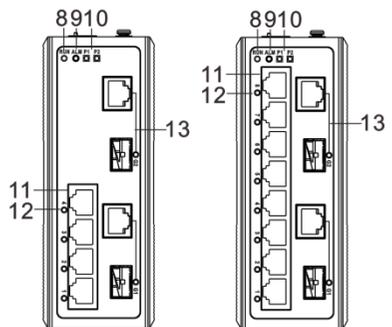
1. AC power input terminal block
2. Relay alarm output terminal block
3. DIP switch
4. Console port
5. Grounding screw
6. Wall-mounted location hole
7. DIN-Rail mounting kit
8. Device running indicator RUN
9. Relay alarm indicator ALM
10. Power supply input status indicator PWR
11. 100M copper port
12. Ethernet port indicator
13. Combo port

### 【DC Panel Design】

#### ➤ Top view, Bottom view and Rear view

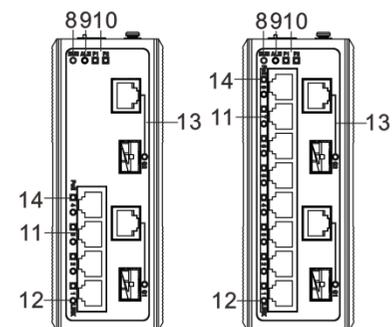


#### ➤ Side view



Model III

Model I



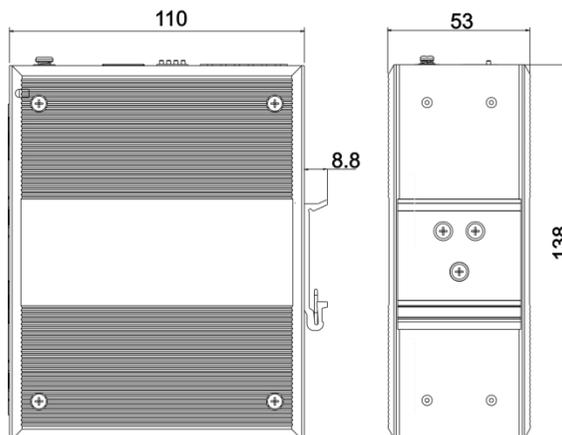
Model VIII, IX, X

Model V, VI, VII

1. DC power input terminal block
2. Relay alarm output terminal block
3. DIP switch
4. Console port
5. Grounding screw
6. Wall-mounted location hole
7. DIN-Rail mounting kit
8. Device running indicator RUN
9. Relay alarm indicator ALM
10. Power input status indicator PWR
11. 100M copper port
12. Ethernet port indicator
13. Combo port
14. POE indicator

### 【Mounting Dimension】

Unit: mm

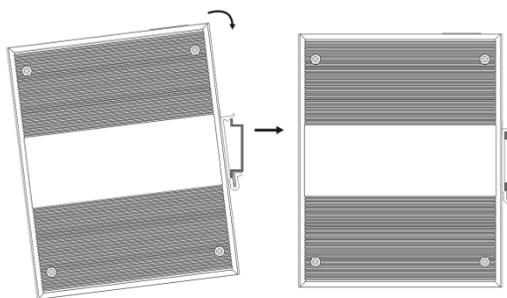


### Attention before mounting:

- 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】

The product adopts 35mm standard DIN-Rail mounting, which is suitable for most of the industrial scenes. Mounting steps as below:



- Step 1 Check if the DIN-Rail mounting kit 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, then mounting ends.

### 【Disassembling DIN-Rail】

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

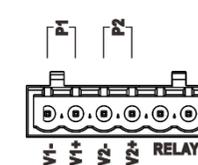


### Notes before power on:

- 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】

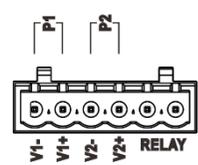
#### ➤ DC power supply 24VDC



This series of model V, model VIII, model IX provide 6 pins 5.08mm pitch input terminal blocks, including 4 pins power supply terminal blocks on the left side. It provides two independent DC power supply systems of P1 and P2. The power supply is anti-reverse connection.

Power input voltage: 24VDC

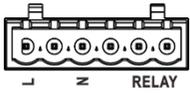
#### ➤ DC power supply 48VDC



This series of model I, model III, model VI model VII and model X provide 6 pins 5.08mm pitch input terminal blocks, including 4 pins power supply terminal blocks on the left side. It provides two independent DC power supply systems of P1 and P2. The power supply is anti-reverse connection.

Power input voltage of model VI model VII and model X: 48VDC, power input voltage of model I and model III: 48VDC (12~48VDC).

### ➤ AC power supply 220VAC

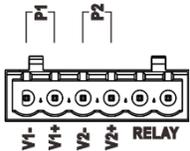


This series of model II and model IV support AC single power supply and provide 6 pins 5.08mm pitch input

terminal blocks, including 4 pins power supply terminal blocks on the left side.

Power input voltage: 220VAC (85~264VAC).

### 【Relay Connection】



The device provides 6-pin 5.08mm pitch input terminal blocks, including 2-pin relay terminal blocks on the right side. Relay terminals are a pair of normally open contacts in device alarm relay.

They are open circuit in normal non alarm state, closed when any alarm information occurs. Such as: its closed when power off, and send out alarm. The switch 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.

### 【DIP Switch Settings】



Provide 4 pins DIP switch for function settings, where "ON" is enable valid terminal. Please power off and power on after changing the status of DIP switch. DIP switch definition as follows:

| DIP | Definition               | Operation   |
|-----|--------------------------|---|
| 1   | Restore factory defaults | Set the DIP switch to ON, power on the device again, it will restore to factory settings, then turn off the DIP switch. |
| 2   | Reserved                 | -   |
| 3   | Upgrade                  | Set the DIP switch to ON, the program of this device can be   |

| DIP | Definition | Operation   |
|-----|------------|---|
|     |            | upgraded, then turn off the DIP switch when this upgrade completes. |
| 4   | Reserved   | -   |

### 【Console Port Connection】

The device provides 1 channel procedure debugging port based on serial port, and can conduct device CLI command line management after connected to PC. The interface adopts RJ45 port, the RJ45 pin definition is 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:

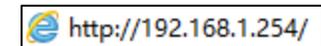
| LED                     | Status   | Description  |
|-------------------------|----------|--|
| P1/P2/PWR               | ON       | Power supply is connected and running normally         |
|                         | OFF      | Power supply is disconnected and running abnormally.   |
| ALM                     | ON       | Power supply, port link alarm                          |
|                         | OFF      | Power supply, port link without alarm                  |
| RUN                     | ON       | The device is powered on or the device is abnormal.    |
|                         | OFF      | The device is powered off or the device is abnormal.   |
|                         | Blinking | System is running well.                                |
| Link/ACT (1-4/8, G1-G2) | ON       | Ethernet port connection is active.                    |
|                         | Blinking | Data transmitted                                       |
|                         | OFF      | Ethernet port connection is inactive.                  |
| POE (1-4/8)             | ON       | POE port supply electricity for other devices normally |
|                         | OFF      | POE is disabled or                                     |

|  |  |              |
|--|--|--------------|
|  |  | disconnected |
|--|--|--------------|

### 【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                |   |
|----------------------|---|
| 100M POE copper port | 10/100 Base-T(X) RJ45, automatic flow control, full/half duplex mode, MDI/MDI-X autotuning, POE port, the output power consumption is 15W or 30W.                                 |
| POE pins             | V+, V-, V+, V- are corresponding to 1, 2, 3, 6.   |
| Gigabit Combo port   | 10/100/1000Base-T(X) or 1000Base-X  |
| Console port         | CLI command management port (RS-232), RJ45  |
| Alarm interface      | 6-pin 5.08mm pitch terminal blocks, including 2-pin alarm terminal blocks. It supports 1 channel relay alarm information output, current load capacity is 1A@30VDC or 0.3A@125VAC |
| Indicator            | Run indicator, interface indicator power indicator, alarm indicator, PoE indicator  |
| Exchange attributes  |   |
| Backplane bandwidth  | 7.6G  |
| Packet buffer size   | 1Mbit   |
| MAC table size       | 8K  |
| Power supply         |   |
| Input power supply   | Power supply input voltage: 48VDC, 24VDC, 220VAC<br>Support DC dual power supply redundancy, anti-reverse   |

| Access terminal     | 6-pin 5.08mm pitch terminal blocks, including 4-pin power supply terminal blocks |
|---------------------|--|
| Consumption         |  |
| No-load             | ≤4.9W@48VDC  |
| Full-load           | ≤122.8W@48VDC  |
| Working environment |  |
| Working temperature | -40~75℃  |
| Storage temperature | -40~85℃  |
| Working humidity    | 5%~95% (no condensation)   |
| Protection grade    | IP40 (metal shell)   |