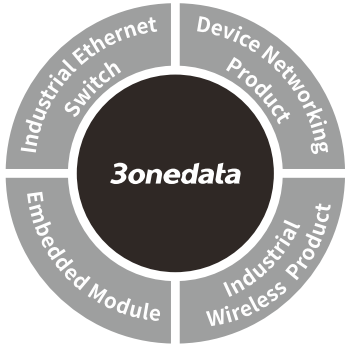
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Make network communication more reliable

IES2300SL with Fiber-Port Series Layer 2 Unmanaged 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. DIN-Rail mounting attachment
3. Warranty card
4. Certificate

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

【Product Overview】

This series product is a Gigabit unmanaged DIN-Rail industrial Ethernet switch. For convenience, the products of this series adopt the following number on the left in this guide, please confirm the number of your product:

Model I. IES2300SL-4GT2GS-2LV (4 Gigabit copper ports + 2 Gigabit SFP slots, 12~60VDC redundant power supply).

Model II. IES2300SL-4GP2GS-2LV (4 Gigabit PoE copper ports + 2 Gigabit SFP slots, 44~57VDC redundant power supply).

Model III. IES2300SL-8GT2GS-2LV (8 Gigabit copper ports + 2 Gigabit SFP slots, 12~60VDC redundant power supply).

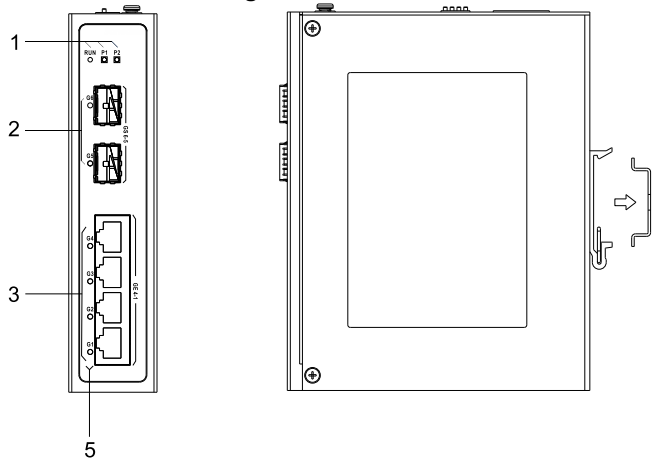
Model IV. IES2300SL-8GP2GS-2LV (8 Gigabit PoE copper ports + 2 Gigabit SFP slots, 44~57VDC redundant power supply).

Model V. IES2300SL-16GT2GS-2LV (16 Gigabit copper ports + 2 Gigabit SFP slots, 12~60VDC redundant power supply).

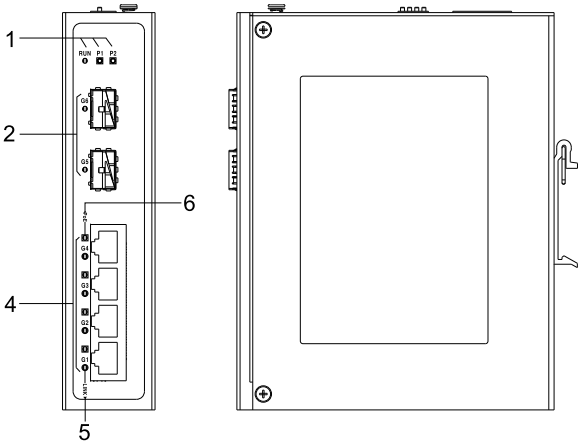
Model VI. IES2300SL-16GP2GS-2LV (16 Gigabit PoE copper ports + 2 Gigabit SFP slots, 44~57VDC redundant power supply).

【Panel Design】

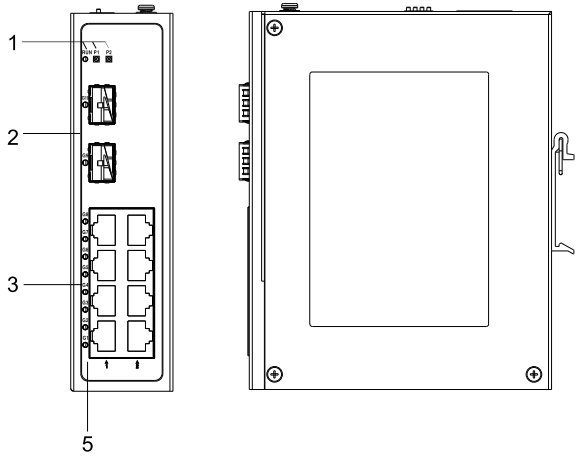
➢ **Main view and right view**



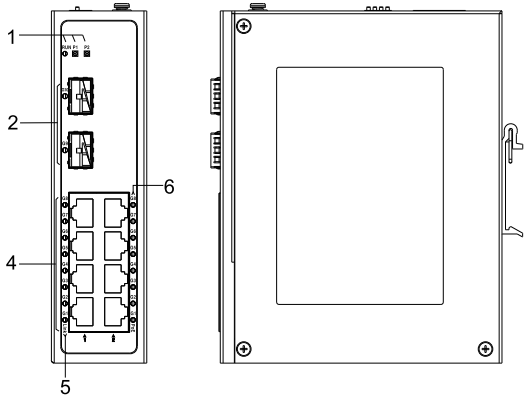
Model I



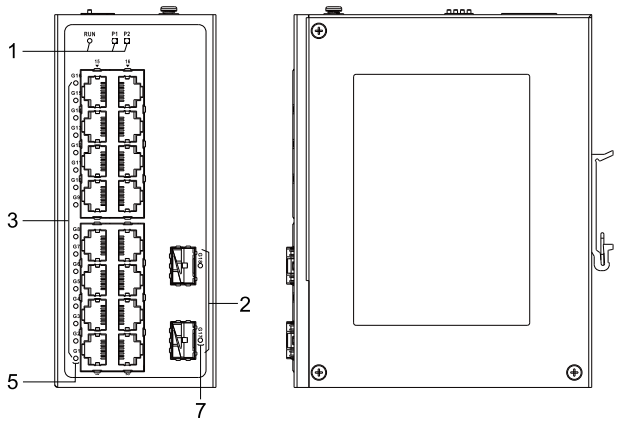
Model II



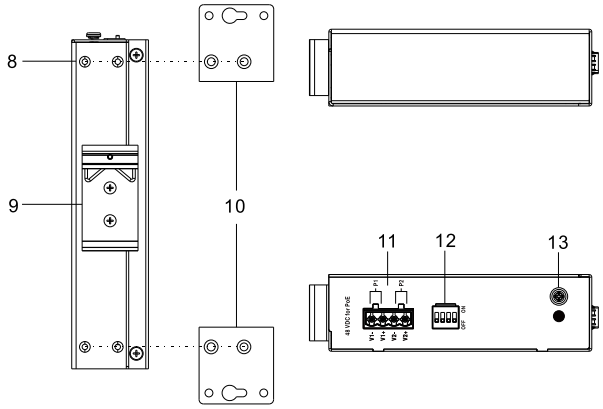
Model III



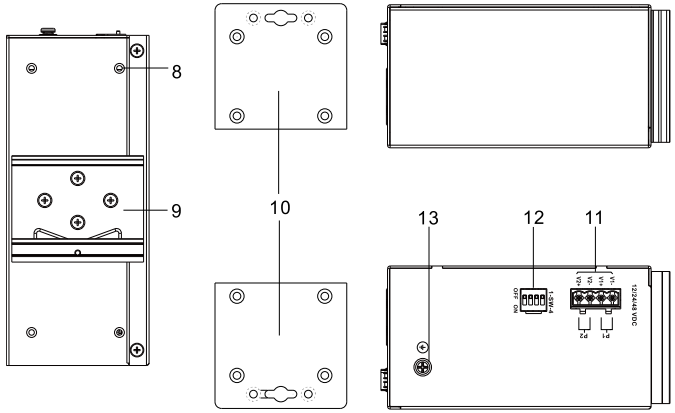
Model IV



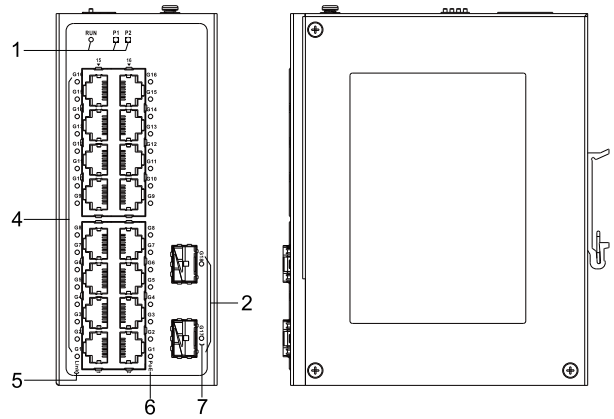
Model V



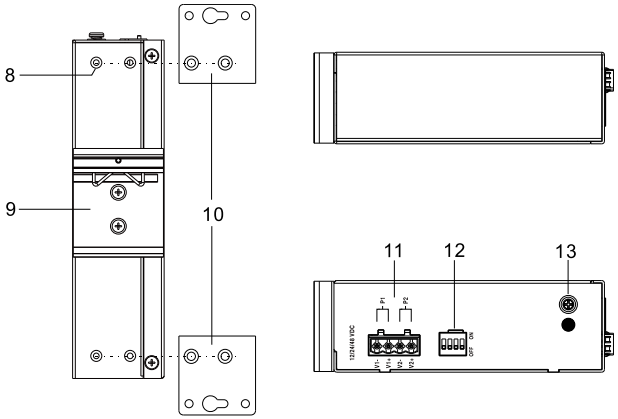
Model II



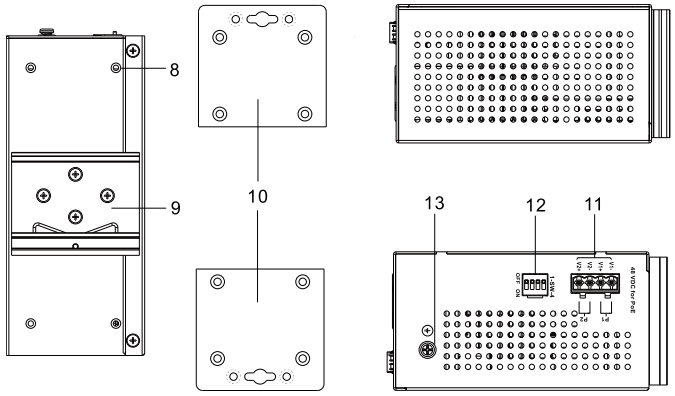
Model V



Model VI

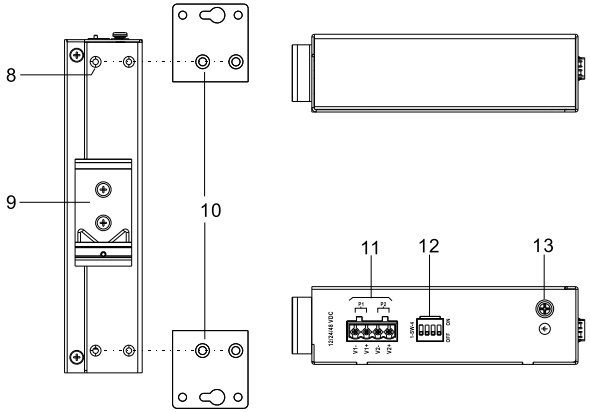


Model III

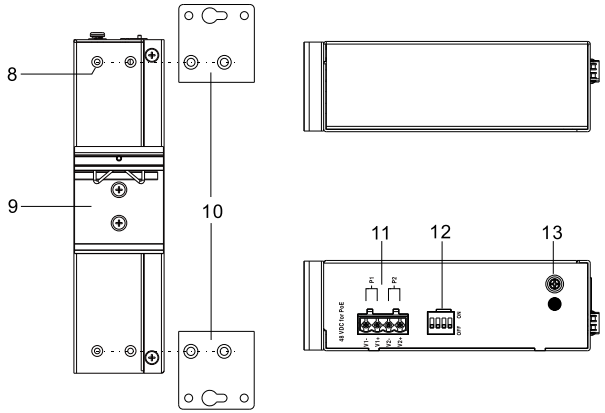


Model VI

- **Rear view, bottom view and top view**



Model I



Model IV

1. Indicators, from left to right are:
   - Running indicator (RUN)
   - Power supply indicator (P1)
   - Power supply indicator (P2)
2. 1000Base-X Gigabit SFP slot (G6-G5, G10-G9, G18-G17)
3. 10/100/1000Base-T(X) Gigabit copper ports (G4/G8/G16-G1)
4. 10/100/1000Base-T(X) Gigabit PoE copper port (G4/G8/G16-G1)
5. Ethernet port indicator (Link: G6/G10/G16-G1)
6. PoE indicator (PoE: G4/G8/G16-G1)
7. SFP interface indicator (G18-G17)
8. Wall-mounting location hole

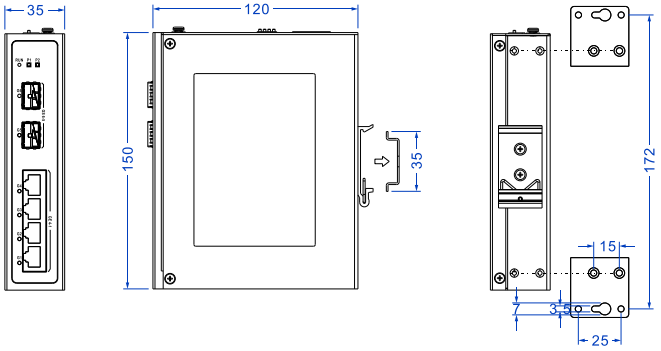
9. DIN-Rail mounting kit
10. Wall-mounting panel (additional purchase required)
11. Power input terminal (P1-P2)
12. DIP switch
13. Grounding screw (M4)

【Mounting Dimension】

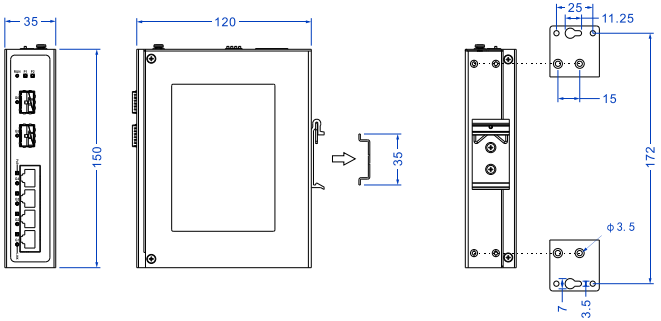
Unit: mm

Note:

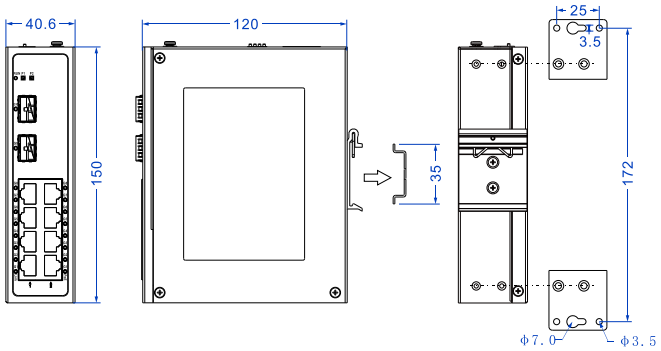
- Model III and IV have the same dimensions.
- Model V and VI have the same dimensions.
- The wall-mounting panel at the right side of the figure below is an optional attachment, not standard; DIN-Rail kit is standard.



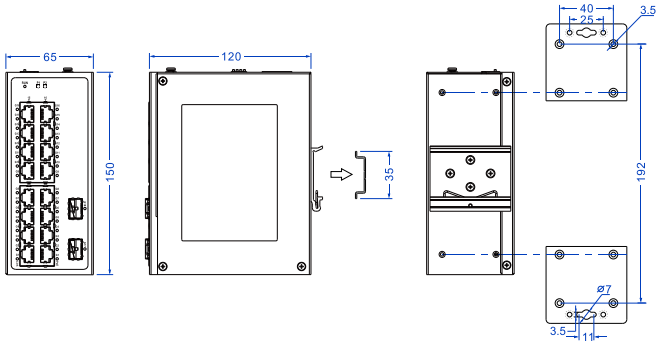
Model I



Model II



Model III, IV



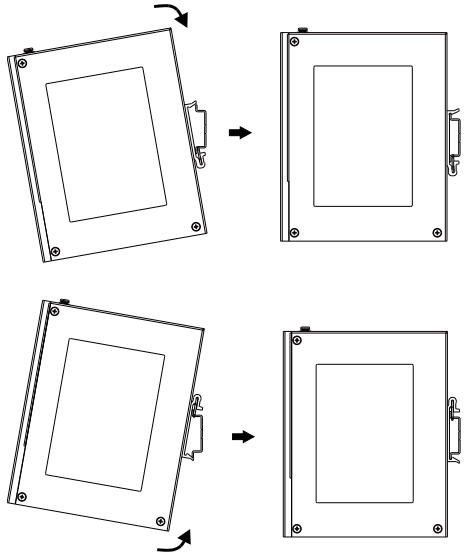
Model V, VI

Notice Before Mounting:

- Don't place or install the device in area near water or moisture, keep the relative humidity of the device surrounding between 5%~95% without condensation.
- Before powering on the device, check the power specifications supported by the device to prevent device damage due to overvoltage.
- 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 industrial scenes, mounting steps are as follows:



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 Power off the device.

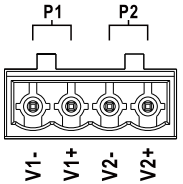
Step 2 After lifting the device upward slightly, first shift out the top of DIN-Rail mounting kit, and then shift out the bottom of DIN-Rail, disassembling ends.

Notice Before Powering on:

- Power ON operation: First insert the power supply terminal block into the device power supply interface, and then plug the power supply plug and power on.
- Power OFF operation: First, remove the power plug,

then remove the wiring section of terminal block. Please pay attention to the above operation sequence.

【Power Supply Connection】



Support P1, P2 dual power redundancy, and adopt 4-pin 5.08mm pitch terminals. The power input supports 1 power supply alone or 2 power supply at the same time; When two power supply input at the same time, it supports redundant backup of power supply. If one power supply fails, the device can still work normally without interruption. Power supply supports anti-reverse connection, which cannot power the device but won't damage it when it's reversely connected. The pin definitions of power supply are shown as follows: The power input range for Model I, III, and V is 12-60VDC, while the power input range for Model II, IV and VI is 44-57VDC.

【Model I DIP Switch Settings】



Provide 4 pins DIP switch for function settings, where "ON" is enable valid terminal.
DIP switch definitions are as follows:

No.	Definition	Operation
1	Restart device	Set the DIP switch to ON, hold for more than 1 second, and then dial back to restart the device.
2	Reserved	—
3	Reserved	—
4	Reserved	—

【Model II DIP Switch Settings】



Provide 4-pin DIP switch for function setting, "ON" is enable valid terminal. DIP switch definitions are as follows:

No.	Definition	Operation
1	Copper port forced 100M	Set the switch to ON
2	Storm control	Set the switch to ON
3	VLAN	Set the switch to ON to enable VLAN, with port G1 configured as the uplink port.
4	Copper port flow control	Set the switch to ON

【Model III, IV DIP Switch Settings】



Provide 4-pin DIP switch for function setting, "ON" is enable valid terminal. DIP switch definitions are as follows:

No.	Definition	Operation
1	Forced 100M	Set the DIP to ON
2	Storm Control	Set the DIP to ON
3	VLAN	Set the DIP to ON
4	Flow control	Set the DIP to ON

【Model V, VI DIP Switch Settings】



Provide 4 pins DIP switch for function settings, where "ON" is enable valid terminal. DIP switches definition as follows:

No.	Definition	Operation
1	Reboot	Set the code to ON, then set it back.
2	Reserved	—
3	Reserved	—
4	Reserved	—

【Checking LED Indicator】

Provide LED indicators to monitor its operating status, which has simplified the overall troubleshooting process. The function of each LED is described in the table below:

LED	Indicate	Description
P1-P2	ON	Power is connected and running normally
	OFF	Power supply is disconnected or running abnormally
RUN	ON	The device is powering on or the device is abnormal
	Blinking	System is running normally
	OFF	The device is powered off or the device is abnormal.
Link (G1-G6/G10/G18)	ON	Ethernet port has established a valid network connection
	Blinking	Ethernet port is in an active network status
	OFF	Ethernet port has not established a valid network connection
PoE (G4/G8/G16-G1)	ON	POE port is powering other PD devices normally
	OFF	POE is disabled or PD device is disconnected

【Specification】

Panel	
Gigabit SFP (Model I, II)	100/1000Base-X, SFP slot, self-adaption or forced mode
Gigabit SFP (Model III-VI)	1000Base-X, SFP slot
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, optional PoE
Indicator	Running Indicator, Power Supply Indicator, Interface Indicator, PoE Indicator
Switch Property	
Model I, II	Backplane bandwidth: 14Gbps MAC address table: 2K

Model III, IV	Backplane bandwidth: 20Gbps Cache: 2.5Mbit MAC address table: 4K
Model V, VI	Backplane bandwidth: 52Gbps Cache: 4.1Mbit MAC address table: 8K
Power Supply	
Model I, III, V	12~60VDC dual power supply redundancy, support anti-reverse connection
Model II, IV, VI	44~57VDC dual power supply redundancy, support anti-reverse connection
Access terminal block	4-pin 5.08mm pitch terminal blocks
Power Consumption	
Model I	No-load: 0.8W@48VDC Full-load: 3.6W@48VDC
Model II	No-load: 1.04W@48VDC Full-load (with PoE): 110.3W@48VDC
Model IV	No-load: 2.43W@48VDC Full-load (with PoE): 229.4W@48VDC
Model V	No-load: 5.10W@48VDC Full-load: 13.44W@48VDC
Model VI	No-load: 5.10W@48VDC Full-load (with PoE): 234.7W@48VDC
Working Environment	
Working temperature	-40~75℃
Storage temperature	-40~85℃
Working humidity	5%~95% (no condensation)
Protection grade	Model I-V: IP40 (metal shell) Model VI: IP30(metal shell)

【Disposal of Waste Electrical and Electronic Equipment (WEEE 2012/19/EU)】

(Applicable in the EU-member states)



The crossed-out wheeled bin symbol on the equipment or its packaging indicates that the product, at the end of its service life, shall not be mixed with unsorted municipal waste but should be collected separately, in accordance with local laws and regulations.

A proper separate collection of end-of-life equipment for the subsequent recycling, treatment and environmentally compatible disposal, will help prevent potential damage to the environment and human health, facilitating the reuse, recycling and/or recovery of its component materials.

Private users should contact their vendor or municipal waste management service and ask for disposal information.

Professional users should contact their suppliers and check the terms of their selling agreement.

This product must not be disposed of with other commercial waste.

Users' cooperation in the correct disposal of this product will contribute to saving valuable resources and protecting the environment.