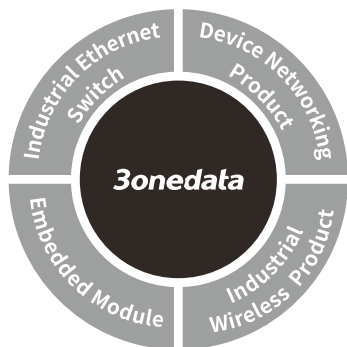


IES2300SL with Fiber-Port Series Layer 2 Unmanaged Industrial Ethernet Switch Quick Installation Guide



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

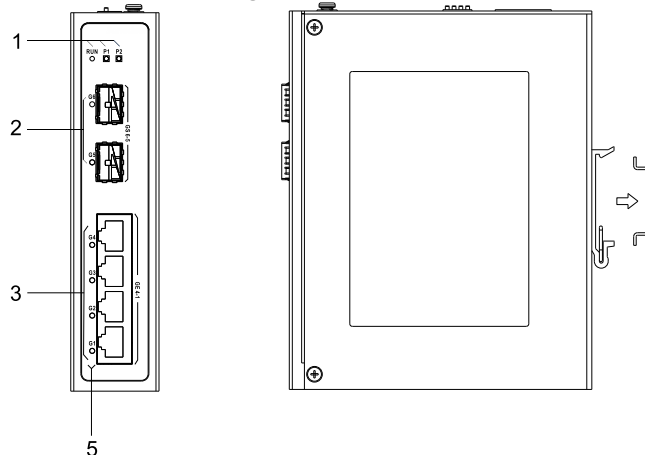
Model III. IES2300SL-8GP2GS-2LV (8 Gigabit PoE ports + 2 Gigabit SFP slots, 44~57VDC redundant power supply).

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

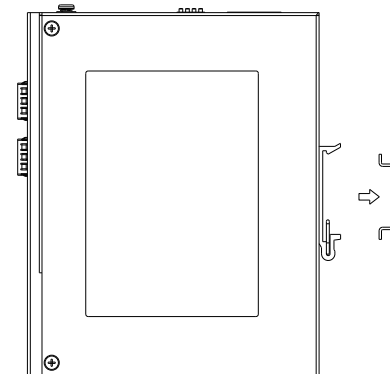
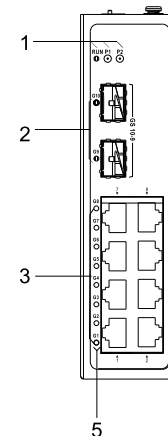
Model V. IES2300SL-16GP2GS-2LV (16 Gigabit PoE copper ports + 2 Gigabit SFP slots, 44~57VDC redundant power supply).

【Panel Design】

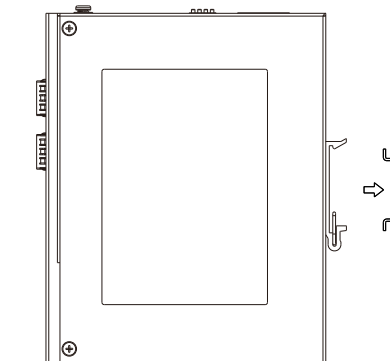
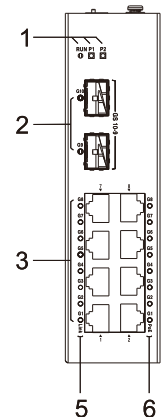
➤ Main view and right view



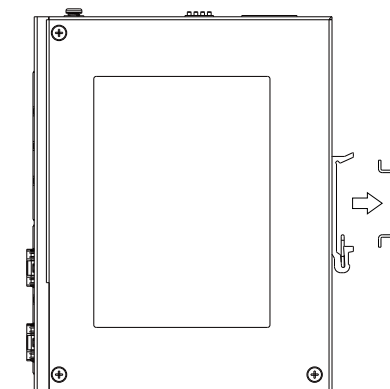
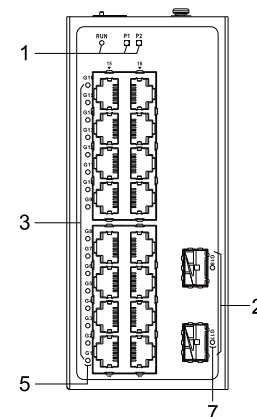
Model I



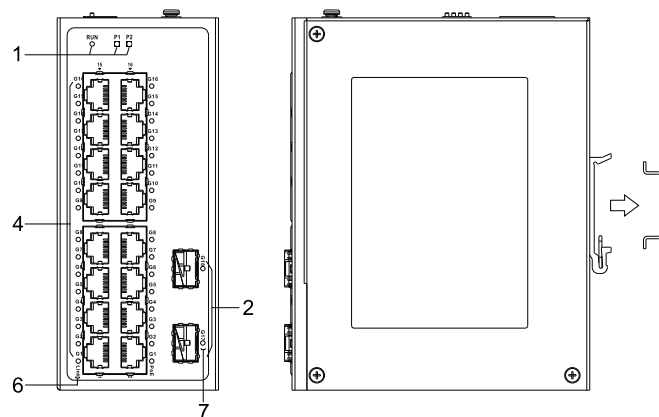
Model II



Model III

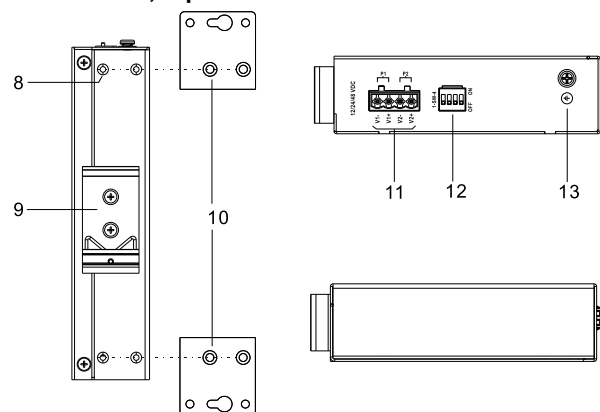


Model IV

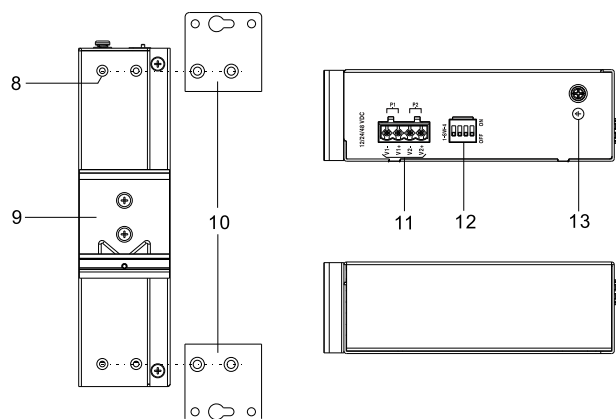


Model V

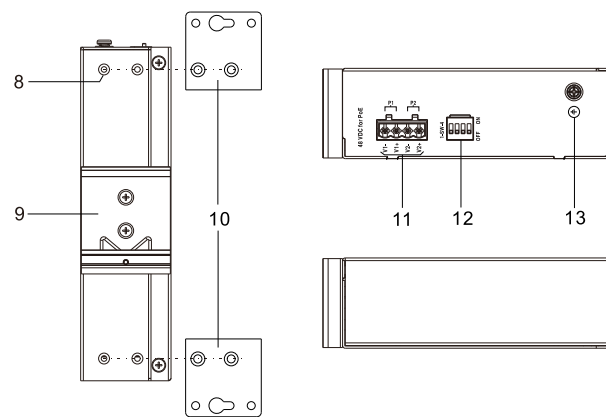
➤ Rear view, top view and bottom view



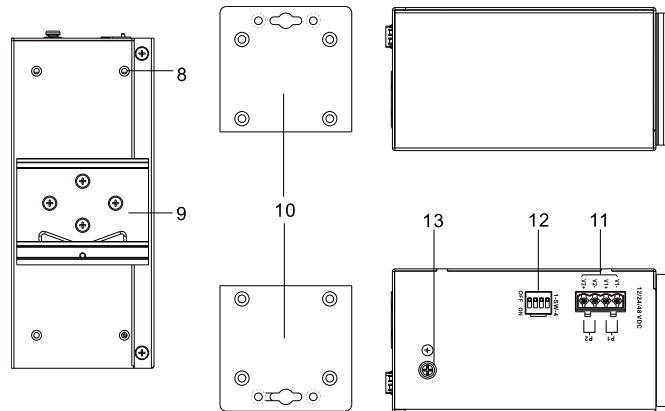
Model I



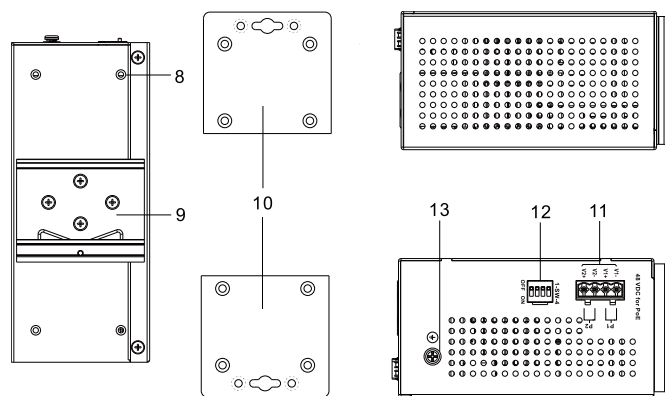
Model II



Model III



Model IV



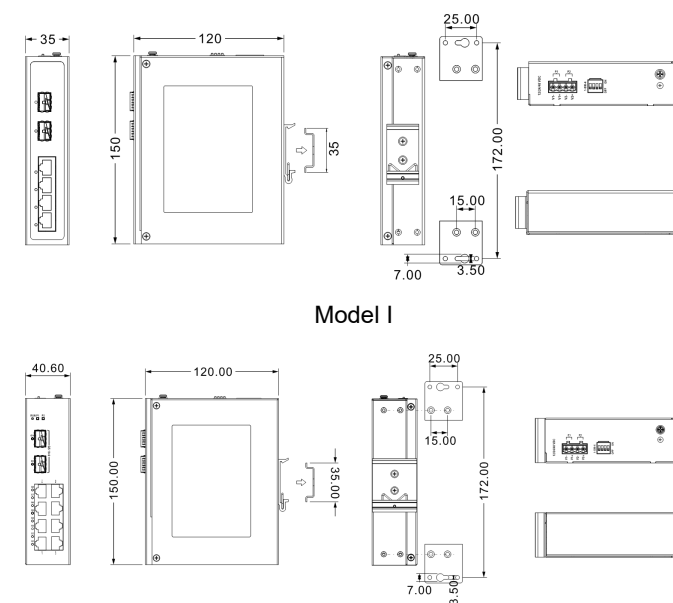
Model V

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 (G16-G1)
 5. Ethernet port indicator (G6/G10/G16-G1)
 6. PoE indicator (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)

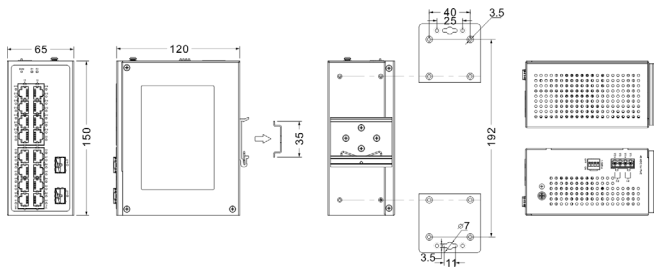
【Mounting Dimension】

Unit: mm



Model I

Model II, III



Model IV, V



Note:

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

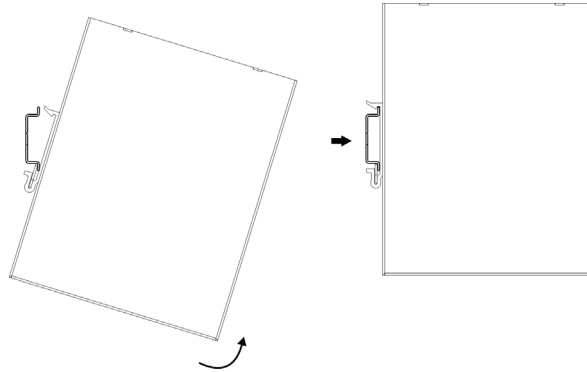


Notice Before Mounting:

- 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.

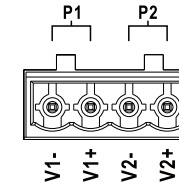


Notice Before Powering on:

- 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, II, and IV is 12-60VDC, while the power input range for Model III and V 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	Restore Factory Settings	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, III 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 IV, V 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.
G1-G6/G10/G18	ON	Ethernet port has established a valid network connection
	Blinking	Ethernet port is in an active network status

【Specification】

Panel	
Gigabit SFP	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	Backplane bandwidth: 16Gbps MAC address table: 2K
Model II, III	Backplane bandwidth: 20Gbps Cache: 2.5Mbit MAC address table: 4K
Model IV, V	Backplane bandwidth: 52Gbps Cache: 4.1Mbit MAC address table: 8K
Power Supply	
Model I, II, IV	12~60VDC dual power supply redundancy, support anti-reverse connection
Model III, V	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 III	No-load: 2.43W@48VDC Full-load (with PoE): 229.4W@48VDC
Model V	No-load: 5.32W@48VDC Full-load (without PoE): 12.96W@48VDC Full-load (with PoE): 238W@48VDC
Working Environment	
Working temperature	-40~75℃
Storage temperature	-40~85℃
Working humidity	5%~95% (no condensation)
Protection grade	Model I, II, III, IV: IP40 (metal shell) Model V: 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.