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IPS215 Series Unmanaged Industrial PoE 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 Quick installation guide

3 DIN-Rail mounting attachment

4 Certification 5 Warranty card

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

【Product Overview】

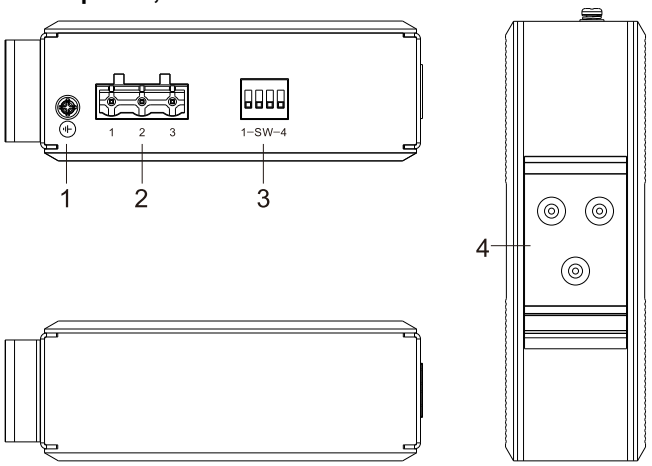
This series of products are 5-port 100M unmanaged industrial PoE Ethernet switches. Models are as follows:

Model I. IPS215-4POE (1 100M copper port + 4 100M POE)

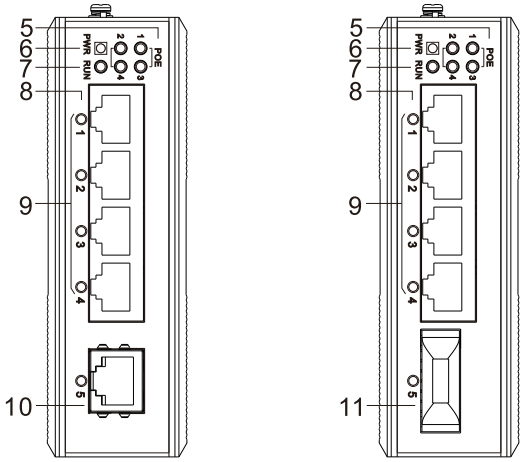
Model II. IPS215-1F-4POE (1 100M fiber port + 4 100M POE)

【Panel Design】

➢ **Top view, bottom view and rear view**



➢ **Front View**

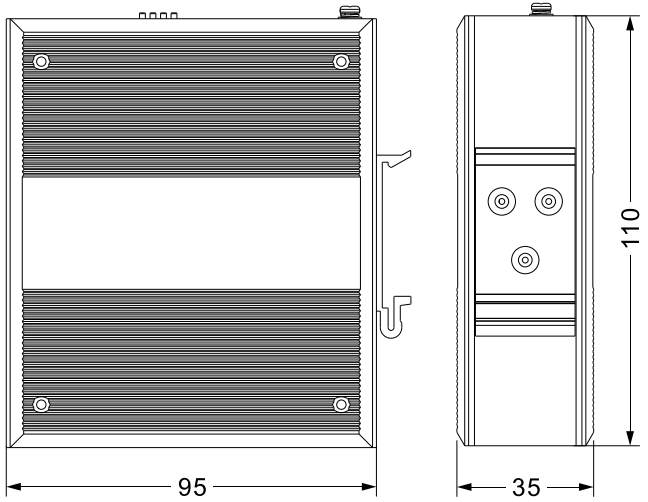


Model I Model II

1. Grounding screw
2. Terminal block for power input
3. DIP switch
4. DIN-Rail mounting kit
5. POE power supply status indicator （POE1-POE4）
6. Power supply indicator PWR
7. Device running indicator (RUN)
8. Ethernet interface link indicator (1-5)
9. 100M PoE port (1-4)
10. 100M copper port (Model I: port 5)
11. 100M fiber port (Model II: port 5)

【Mounting Dimension】

Unit: mm

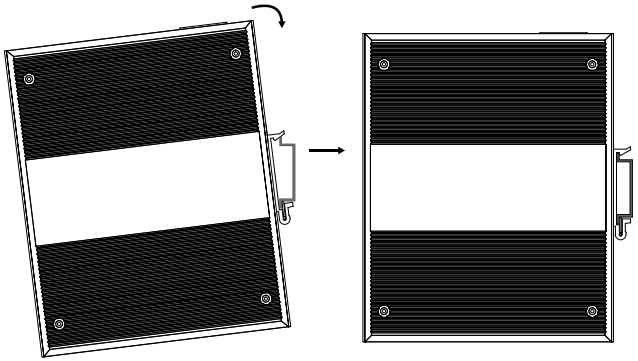


Notice before mounting:

- 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 industrial scenes, mounting steps 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】

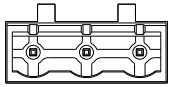
Step 1 Device power off.

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.

Notice before power on:

- Power ON operation: First insert the power supply terminal block into the device power supply interface, and then plug the power supply plug contact and power on.
- Power OFF operation: First, remove the power plug, and then remove the wiring section of terminal block. Please pay attention to the above operation sequence.

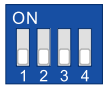
【Power Supply Connection】



The serious of switches top panel provide 3-pin 7.62mm pitch industrial terminal blocks, support 1 DC power input, with anti - reverse connection function. Voltage range: 48VDC (45~55VDC). The pin definitions of power supply are shown as follows:

Pin No.	Pin Definition	Description
1	V+	Positive power input
2	FG	Shell Ground
3	V-	Negative power input

【DIP Switch Settings】



The serious of switches panel provide 4-pin DIP switch for function setting, where "ON" is enable valid terminal. DIP switches definition as follows:

DIP	Definition	Operation
1	Flow control	Set the DIP to ON
2	100M copper port forced 10M	Set the DIP to ON
3	VLAN (ports 5 and 1-4 can communicate with each other, but ports 1-4 cannot communicate with each other)	Set the DIP to ON
4	Reserved	-

【Checking LED Indicator】

The device provides LED indicators to monitor the device working status with a comprehensive simplified troubleshooting; the function of each LED is described in the table as below:

LED	Indicate	Description
PWR	ON	PWR is connected and running normally
	OFF	PWR is disconnected and running abnormally
RUN	ON/OFF	The device is running abnormally
	Blinking	The device is running normally
POE （1-4）	ON	POE ports supply electricity for other devices normally
	OFF	POE port is not powering other devices
Link/Act （1-5）	ON	The Ethernet interface has established an active network connection
	Blinking	The Ethernet interface is in a network activity state.
	OFF	The Ethernet interface has not established an active network connection.

【Specification】

Panel	
100M fiber port	100Base-FX, interfaces support SC/ST/FC optional
100M copper port	10/100Base-T(X) self-adapting RJ45 port, half/full duplex self-adapting or compulsive working mode, support MDI/MDI-X self-adapting
100M PoE port	10/100Base-T(X) self-adapting RJ45 port, half/full duplex self-adapting or compulsive working mode, support MDI/MDI-X self-adapting, the maximum power of single PoE port is 30W
POE pins	V-, V-, V+, V+ are corresponding to Pin 1, 2, 3, 6
Indicator	Running Indicator, Port Indicator, Power Supply Indicator, PoE Indicator
Switch Property	
Backplane bandwidth	1.6G
Packet buffer size	1Mbit
MAC Address Table	2K
Power Supply	

Input power supply	45~55VDC, support anti-reverse connection
Access terminal block	3-pin 7.62mm pitch terminal blocks
Power Consumption	
Model I	No-load: 2.26W@48VDC Full-load: 73.97W@48VDC
Model II	No-load: 2.69 W@48VDC Full-load: 74.06 W@48VDC
Working Environment	
Working temperature	-40℃～75℃
Storage temperature	-40℃～85℃
Working humidity	5%～95% (no condensation)
Protection grade	IP40(metal shell)