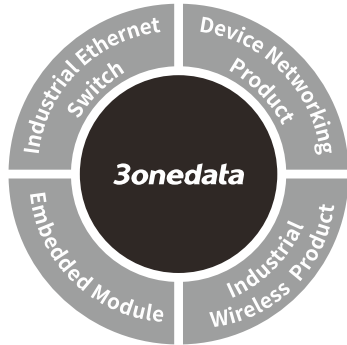


IES215 Series Unmanaged Industrial Ethernet Switch Quick Installation Guide



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

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 unmanaged DIN-Rail industrial Ethernet switches. For convenience, the products of this series adopt the following number on the left in this guide, please affirm the number of your product.

Model I. IES215-P (12~48VDC) (5 100M copper ports, 12~48VDC power supply input)

Model II. IES215-1F-P (12~48VDC) (4 100M copper ports + 1 100M fiber port, 12~48VDC power supply input)

Model III. IES215-2F-P (12~48VDC) (3 100M copper ports + 2 100M fiber ports, 12~48VDC power supply input)

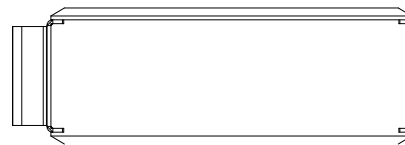
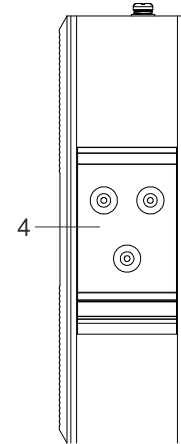
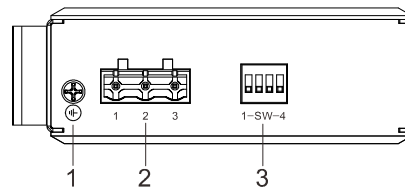
Model IV. IES215-P (100~240VAC) (5 100M copper ports, 100~240VAC/DC power supply input)

Model V. IES215-1F-P (100~240VAC) (4 100M copper ports + 1 100M fiber port, 100~240VAC/DC power supply input)

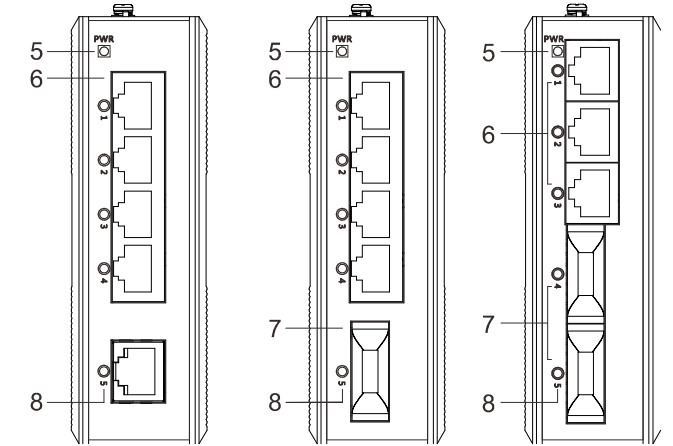
Model VI. IES215-2F-P (100~240VAC) (3 100M copper ports + 2 100M fiber ports, 100~240VAC/DC power supply input)

【Panel Design】

➤ Top view, bottom view and rear view



➤ Front view and Side view



Model I, Model IV

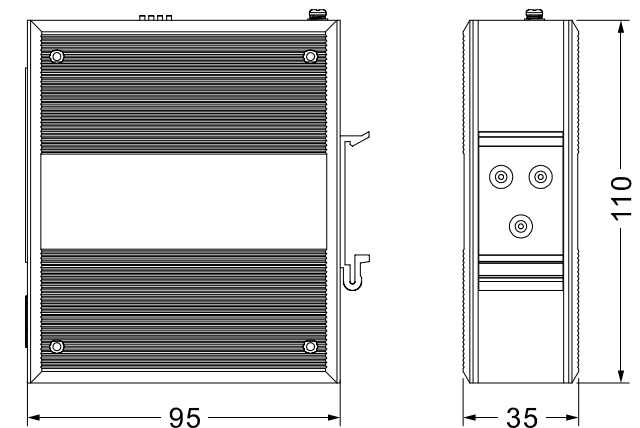
Model II, Model V

Model III, Model VI

1. Grounding screw
2. Terminal block for power input
3. DIP switch
4. DIN-Rail mounting kit
5. Power input status indicator PWR
6. 10/100Base-T(X) 100M Ethernet copper port
7. 100Base-FX 100M Ethernet fiber port
8. Ethernet port link indicator

【Mounting Dimension】

Unit: mm



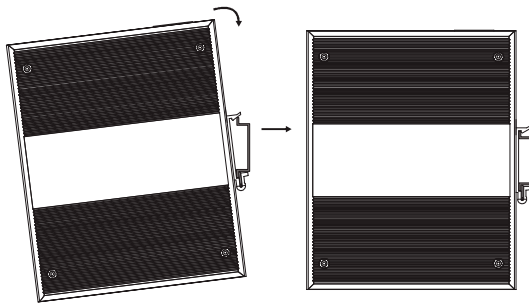


Note before mounting:

- 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 products 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.



Note 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 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】

➤ DC power supply

The device provides 3-pin power supply input terminal blocks and supports 1 DC power supply system which has non-polarity and anti-reverse connection function, that the device can work normally after reverse connection. Voltage range: 12~48VDC.

➤ AC power supply

The device provides 3-pin power supply input terminal blocks, and supports 1 AC power supply. Power supply range: 100~240VAC/DC.

【DIP Switch Settings】

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

DIP	Definition	Operation
1	Flow control	Set the DIP to ON, copper port supports IEEE802.1x flow control, fiber port supports back pressure flow control.
2	Specified 10M	Set the DIP to ON, copper port rate would be forced to be in 10M full duplex mode.
3	Reserved	—
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	PWR2 is connected and running normally
	OFF	PWR2 is disconnected and running abnormally
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	Ethernet port has not established valid network connection

【Specification】

Panel	
100M fiber port	100Base-FX, optional SC/ST/FC
100M copper port	10/100 Base-T(X) self-adapting RJ45 port, full duplex or half duplex self-adapting, support MDI/MDI-X self-adapting
Indicator	Power supply indicator, interface indicator
Switch Property	
Backplane bandwidth	1.6G
Packet buffer size	1Mbit
MAC Address Table	2K
Power supply	
Model I, Model II, Model III	Support non-polar connection
Model IV, Model V, Model VI	100~240VAC/DC
Access terminal block	4 pins 7.62mm pitch terminal blocks
Power consumption	

Model I	No-load: 0.79W@24VDC Full-load: 2.18W@24VDC
Model II	No-load: 2.45W@24VDC Full-load: 3.48W@24VDC
Model III	No-load: 2.40W@24VDC Full-load: 3.12W@24VDC
Model IV	No-load: 0.8W@220VAC Full-load: 2.4W@220VAC
Model V	No-load: 1.6W@220VAC Full-load: 2.3W@220VAC
Model VI	No-load: 2.6W@220VAC Full-load: 3.7W@220VAC
Working environment	
Working temperature	-40~75℃
Storage temperature	-40~85℃
Working humidity	5%~95% (no condensation)
Protection grade	IP40 (metal shell)