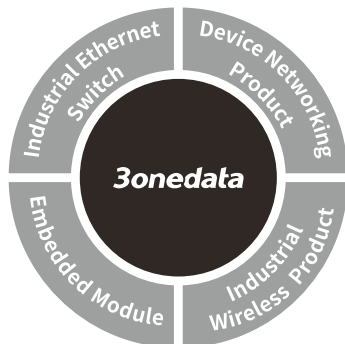


## IES615-2DI(3IN1) Series Managed Industrial Ethernet Switch Quick Installation Guide



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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 |                  |

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

### 【Product Overview】

The product is managed DIN-Rail industrial Ethernet switch. Models as follows:

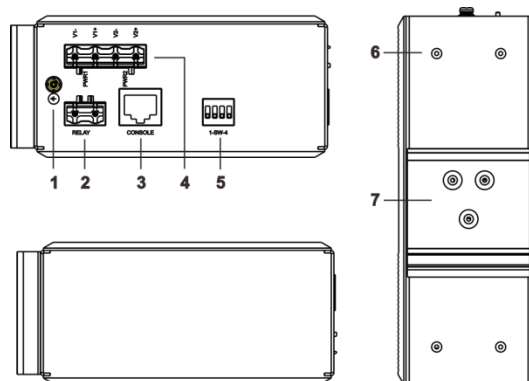
Model I. IES615-2DI(3IN1) (5 100M Copper Ports + 2 3IN1 Serial Ports with isolation)

Model II. IES615-1F-2DI(3IN1) (4 100M Copper Ports + 1 100M Fiber Port + 2 3IN1 Serial Ports with isolation)

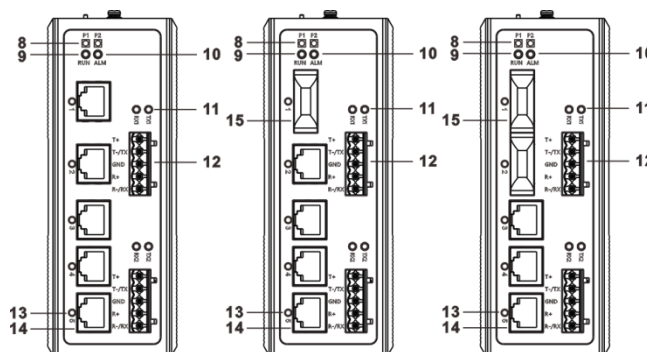
Model III. IES615-2F-2DI(3IN1) (3 100M Copper Ports + 2 100M Fiber Ports + 2 3IN1 Serial Ports with isolation)

### 【Panel Design】

➤ Top view, Bottom view and Rear view



➤ Front view

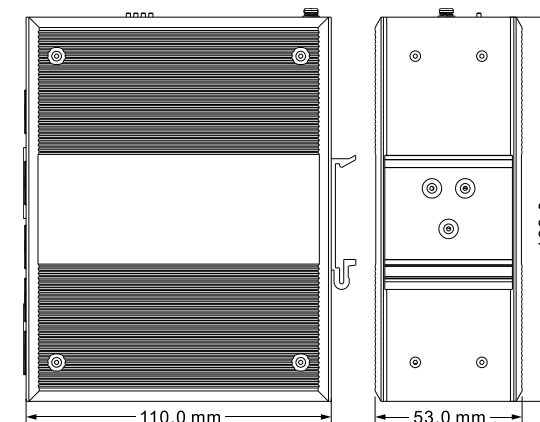


1. Grounding screw
2. Relay alarm output terminal block
3. Console port
4. Power input terminal block
5. DIP switch
6. Wall-mounting location hole
7. DIN-Rail mounting kit
8. Power supply input status indicator P1/P2
9. Device running indicator RUN
10. Relay alarm indicator ALM
11. Serial port transmit-receive indicator
12. RS-232/485/422 3IN1 serial port

13. Ethernet port connection indicator
14. 10/100Base-T(X) Ethernet port

### 【Mounting Dimension】

Unit: mm

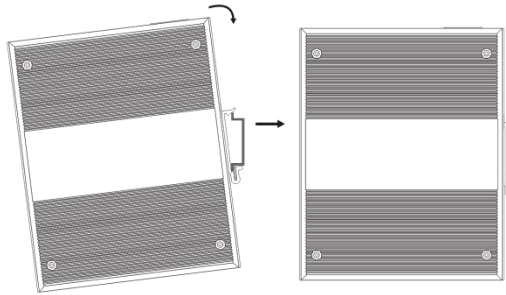


### Attention before Mounting:

- 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】

For convenient usage in industrial environments, the product adopts 35mm DIN-Rail mounting, 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.

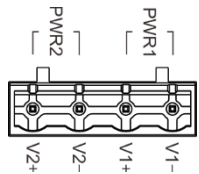
- Step 3 Check and confirm the product is firmly installed on DIN-Rail, then mounting ends.

### 【Disassembling DIN-Rail】

- Step 1 Power off the device.  
 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.

### 【Power Supply Connection】

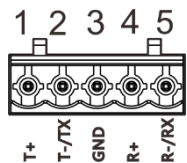
#### ➤ DC power supply



The series devices provide 4 bits power supply input terminal blocks and two independent DC power supply systems for PWR1 and PWR2. The power supply has nonpolarity and anti-reverse functions, it can normally operate after reverse connection. Power supply range: 12~48VDC

### 【Serial Port Connection】

#### ➤ 3IN1 serial port

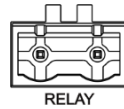


This series provide 5.08mm pitch 5 pins industrial terminal blocks and support

RS-232/RS-485/RS-422 serial connection. Definition of pins as the table below:

PIN	1	2	3	4	5
RS-485	D+	D-	GND	—	—
RS-422	T+	T-	GND	R+	R-
RS-232	—	TX	GND	—	RX

### 【Relay Connection】



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: it's closed when power off, and send out alarm. This series switches support 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-bits DIP switch for function setting, where "ON" is enable valid terminal. DIP switch definition as follows:

DIP	Definition	Operation
1	Reserved	-
2	Restore factory defaults	Set the DIP switch to ON, the device will automatically reboot and restore factory defaults, and then set back the DIP switch.
3	Upgrade	Set the DIP switch to ON, the device will be automatically upgraded, and then set back the DIP switch.
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	ON	PWR1 is connected and running normally
	OFF	PWR1 is disconnected and running abnormally.
P2	ON	PWR2 is connected and running normally
	OFF	PWR2 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 (1-5)	ON	Ethernet port connection is active.
	Blinking	Data transmitted
	OFF	Ethernet port connection is inactive.
TX	Blinking	Serial port sends data abnormally
	OFF	Serial port sends data normally
RX	Blinking	Serial port receives data abnormally
	OFF	Serial port receives data normally

### 【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.

 <http://192.168.1.254/>

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】**

<b>Panel</b>	
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100M copper port	10/100Base-T(X) self-adapting RJ45 port, full/half duplex self-adapting or specified operating mode, support MDI/MDI-X self-adaption
100M fiber port	100Base-FX, support SC/ST/FC interface
Serial port	Isolated RS-232/RS-485/RS-422 3IN1 serial port
Console port	CLI command management port (RS-232), RJ45
Alarm interface	2 pins 7.62mm pitch terminal blocks, support 1 relay alarm information output, current load capacity of 1A/24VDC, 0.5A/120VAC
Indicator	Power indicator, run indicator, interface indicator, alarm indicator and serial port transmit-receive indicator
<b>Exchange attributes</b>	
Backplane bandwidth	1.2G
Packet buffer size	0.5Mbit
MAC table size	2K
<b>Power supply</b>	
Input power supply	12~48VDC; support dual power supply redundancy, nonpolarity, anti-reverse connection and built-in overcurrent 3.0A protection
Access terminal	4-pin 7.62mm pitch terminal block
<b>Consumption</b>	
IES615-2DI(3IN1)	No-load: 2.14W @24VDC Full-load: 2.71W @24VDC
IES615-1F-2DI(3IN1)	No-load: 2.54W @24VDC Full-load: 3.10W @24VDC
IES615-2F-2DI(3IN1)	No-load: 3.00W @24VDC Full-load: 3.48W @24VDC

<b>Working environment</b>	
Working temperature	-40℃~75℃
Storage temperature	-40℃~85℃
Working humidity	5%~95% (no condensation)
Protection grade	IP40 (aluminum shell)