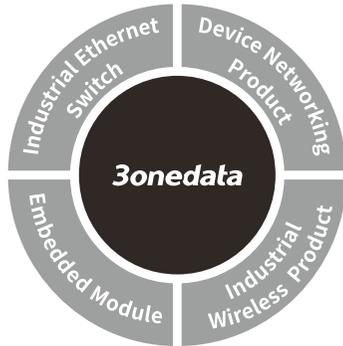


## ES2010G Series Unmanaged Ethernet Switch Quick Installation Guide



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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 | 6. Terminal blocks |

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

### 【Product Overview】

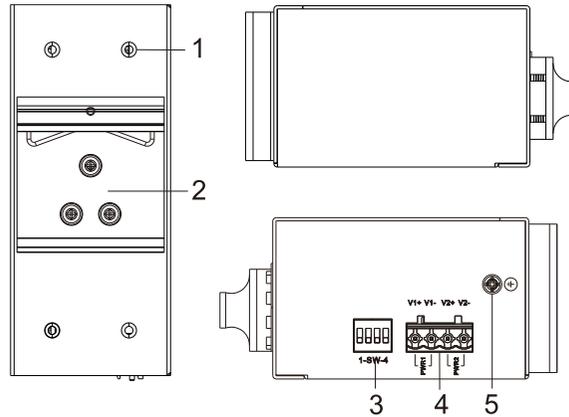
The product is full Gigabit unmanaged DIN-Rail Ethernet switch. Models as follows:

Model I. ES2010G-2GF (8 Gigabit copper ports + 2 Gigabit fiber ports).

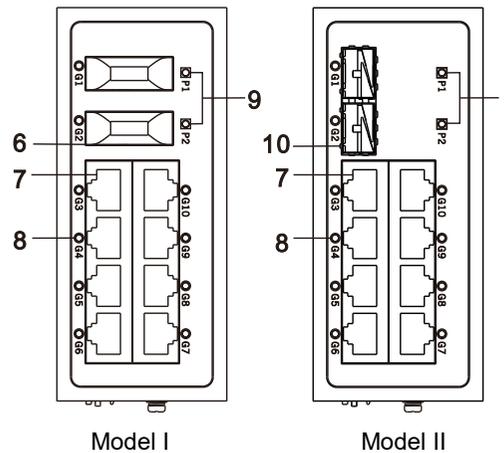
Model II. ES2010G-2GS (8 Gigabit copper ports + 2 Gigabit SFP)

### 【Panel Design】

#### ➤ Rear view, Top view and Bottom view



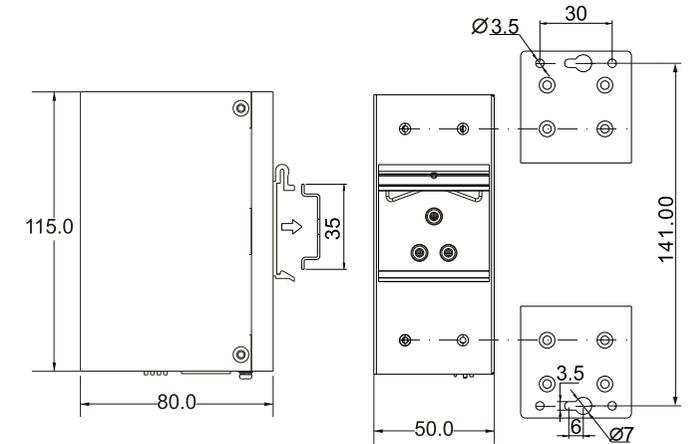
#### ➤ Front view



1. Location hole for wall mounting
2. DIN-Rail mounting kit
3. DIP switch
4. Power input terminal block
5. Grounding screw
6. 1000Base-X Gigabit Ethernet fiber port
7. 10/100/1000Base-T(X) Ethernet port
8. Interface indicator
9. Power input status indicator P1/P2
10. 1000Base-X Ethernet SFP slot

### 【Mounting Dimension】

Unit: mm

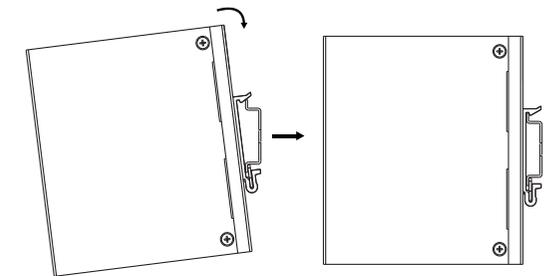


### Attention before mounting:

- 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 Device power off.

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.

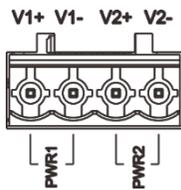


#### Attention before power on:

- Power ON operation: first connect power line to the connection terminal of device power supply, then power on.
- Power OFF operation: first unpin the power plug, then remove the power line, please note the operation order above.

### 【Power Supply Connection】

#### ➤ DC power supply



The device provides 4 pins 7.62mm pitch power supply input terminal blocks and two independent DC power supply systems for PWR1 and PWR2. The power supply supports anti-reverse connection.

Power supply range: 12~48VDC

### 【DIP Switch Settings】



The device provides 4 pins DIP switches for function settings, where "ON" is enable valid terminal. Please power off and power on after changing the status of DIP switches. DIP switches definition as follows:

DIP	Definition	Operation
1	Flow control	Set the DIP switch to ON, enable flow control
2	Port trunking of	Set the DIP switch to ON,

DIP	Definition	Operation
	fiber port	enable port trunking of the fiber ports
3	Port isolation	Set the DIP switch to ON, fiber port can communicate with copper port. Copper ports can't communicate with each other.
4	Reserved	-

### 【Checking LED Indicator】

The function of each LED is described in the table as below:

LED	Status	Description
P1/P2	ON	P1/P2 is running normally
	OFF	P1/P2 is disconnected and running abnormally.
Link/Act (G1-G10)	ON	Ethernet port connection is active.
	Blinking	Data transmitted
	OFF	Ethernet port connection is inactive.

### 【Specification】

Panel	
Gigabit copper port	10/100/1000Base-T(X), RJ45, automatic flow control, full/half duplex mode, MDI/MDI-X autotuning
Gigabit fiber port	1000Base-X, SC interface
Gigabit SFP slot	1000Base-X, SFP slot
Indicator	Power indicator, interface indicator
Exchange attributes	
Backplane bandwidth	20G
Packet buffer size	1Mbit
MAC table size	8K
Power supply	

Input power supply	12~48VDC Support dual power supplies redundancy, reverse-connection protection
Access terminal	4 pins 7.62mm pitch terminal blocks
Consumption	
ES2010G-2GS	No-load consumption: 2.4W@24VDC Full-load consumption: 8.5W@24VDC
ES2010G-2GF	No-load consumption: 3.9W@24VDC Full-load consumption: 8.1W@24VDC
Working environment	
Working temperature	0~55℃
Storage temperature	-10~65℃
Working humidity	5%~95% (no condensation)
Protection grade	IP30 (metal shell)