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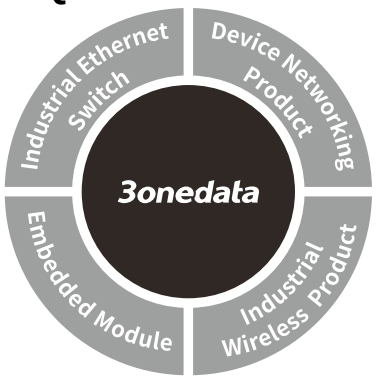
# IES2010 Series Unmanaged Industrial Ethernet Switch Quick Installation Guide

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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. 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】

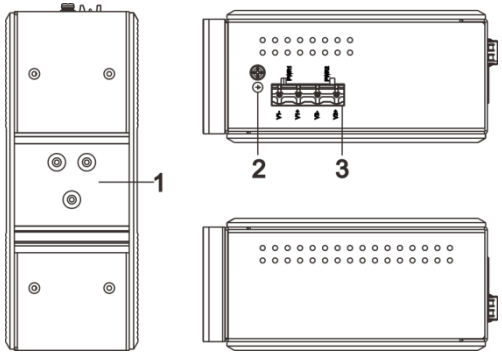
This series are 100M/Gigabit unmanaged DIN-Rail industrial Ethernet switch. Models as follows:

Model I. IES2010-2GS (2 Gigabit SFP + 8 100M copper ports)

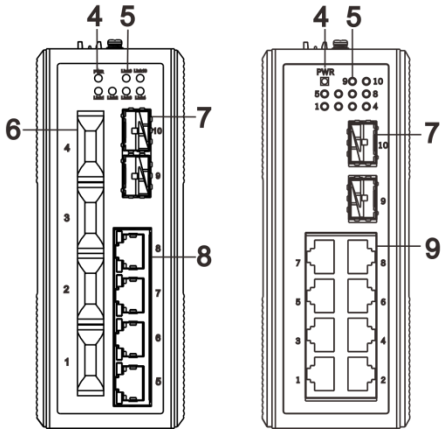
Model II. IES2010-2GS-4F (2 Gigabit SFP + 4 100M fiber ports + 4 100M copper ports)

## 【Panel design】

➢ **Rear view, Top view and Bottom view**



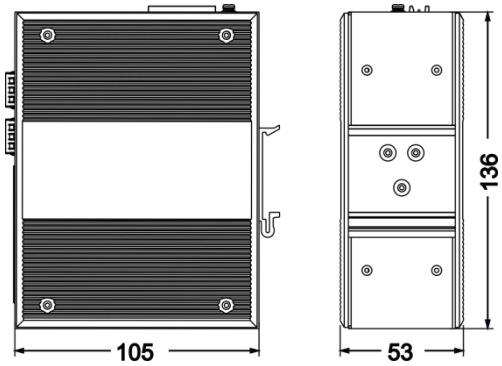

➢ **Front view**




1. DIN-Rail mounting kit
2. Grounding screw
3. Power supply input terminal block
4. Power supply input status indicator PWR
5. Port connection indicator
6. 100Base-FX Ethernet fiber port
7. 1000Base-SFP Ethernet SFP slot
8. 10/100Base-T(X) Ethernet copper port (including indicator)
9. 10/100Base-T(X) Ethernet copper port

## 【Mounting Dimension】

Unit: mm

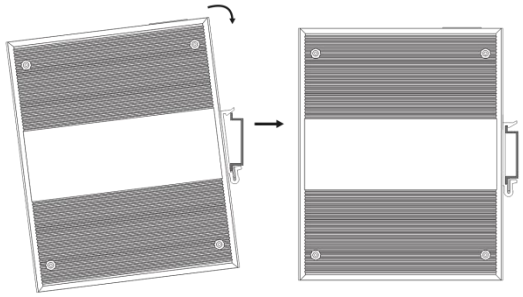



**Attention before mounting:**

- 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 whether the DIN-Rail mounting kit that comes with the device 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, and then mounting ends.

## 【Disassembling DIN-Rail】

Step 1 Power off the device.

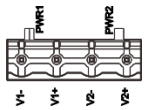
Step 2 After lift the device upward slightly, first shift out the top of DIN-Rail mounting kit, and then shift out the bottom of DIN-Rail, disassembling ends.

**Attention before powering on:**

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

## 【Power Supply Connection】

➢ **DC power supply**




This series provide 4 pins power input terminal blocks and two independent DC power supply systems of PWR1 and PWR2. Power supply range: 12~48VDC

## 【Checking LED Indicator】

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

| LED | Status | Description |
|---|---|---|
| PWR | ON | Power supply is connected and running normally |
| | OFF | Power supply is disconnected and running abnormally. |
| Link/ACT (1-10) | ON | Ethernet port connection is active. |
| | Blinking | Data transmitted |
| | OFF | Ethernet port connection is inactive. |
| 10M/100M (only suit for 100M copper port of model II) | ON | 100M operating mode (100Base-TX) |
| | OFF | 10M operating mode (10Base-T) |

## 【Specification】

| Panel | |
|---|---|
| Gigabit SFP | 1000Base-SFP, SFP slot |
| 100M copper port | 10/100Base-T(X) self-adapting RJ45 port, full/half duplex self-adaption, support MDI/MDI-X self-adaption |
| 100M fiber port | 100Base-FX, optional SC/ST/FC port |
| Indicator | Power indicator, interface indicator and operating mode indicator |
| **Exchange attributes** | |
| Backplane bandwidth | 7.6G |
| Packet buffer size | 1Mbit |
| MAC table size | 8K |
| **Power supply** | |
| Input power supply | 12~48VDC |
| Access terminal | 4 pins 7.62mm pitch terminal blocks<br>Support dual power supply redundancy and anti-reverse connection |
| **Consumption** | |
| No-load | ≤ 5.9W@24VDC |
| Full-load | ≤ 7.3W@24VDC |
| **Environmental Limits** | |
| Working temperature | -40~75℃ |
| Storage temperature | -40~85℃ |
| Working humidity | 5%~95% (no condensation) |
| Protection grade | IP30 (metal shell) |