![3onedata logo] **3onedata**
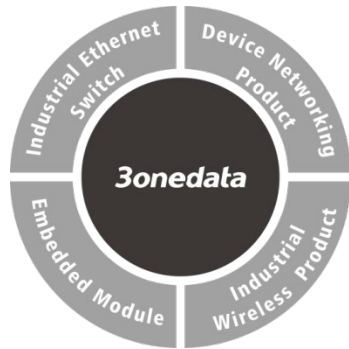Make network communication more reliable

# ICS5000-E24GP4GS
# Layer 2 Managed Industrial
# Ethernet PoE Switch
# Quick Installation Guide



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## 【Package Checklist】

Please check the integrity of package and accessories while first using the switch.

1. Industrial Ethernet switch
2. Install components
3. Power line
4. Warranty card
5. Certificate

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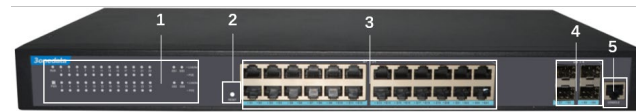
## 【Product Overview】

This product is a 28-port Gigabit layer 3 TSN industrial Ethernet switch, and its model is: ICS5000-E24GP4GS (24
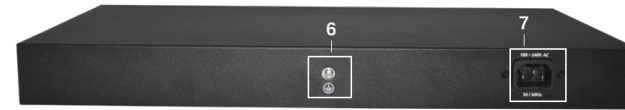
Gigabit PoE ports + 4 Gigabit SFP slots, 100~240VAC power input).

## 【Panel Design】

➤ **Front view**
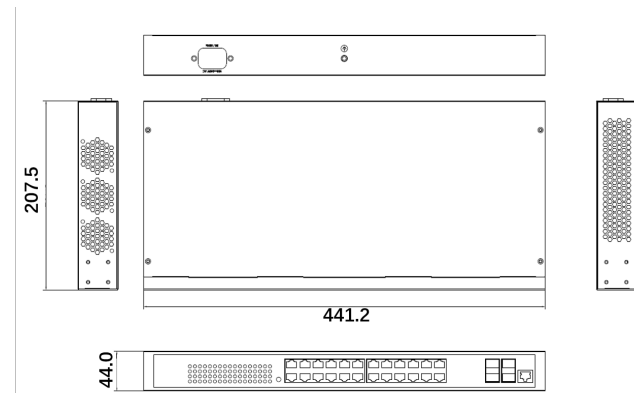


➤ **Rear View**



1. LED indicator
2. Restore default settings RESET
3. 10/100/1000Base-T(X) Gigabit PoE copper port
4. 1000Base-X Gigabit SFP slot
5. CONSOLE port
6. Grounding screw
7. Terminal blocks for 100~240VAC AC power supply input

## 【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 10%~90% 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.

## 【Desktop Mounting】

When the switch is installed on a stable desktop. Please install the attached rubber foot pads on the four corners of the bottom of the switch, and then place them at the designated positions on the desktop, leaving enough ventilation space for the switch to dissipate heat.
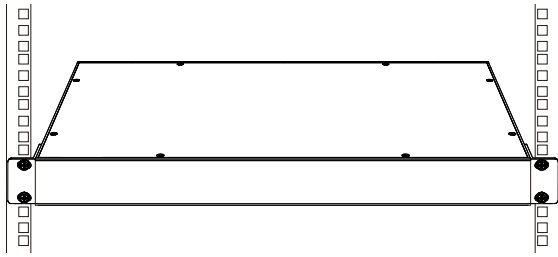
## 【Rack Mounting】

This product adopts rack-mounting, mounting steps as below:

Step 1    Select the device mounting location to ensure enough size.

Step 2    Adopt 4 bolts to install the mounting lugs in the device position as figure below.
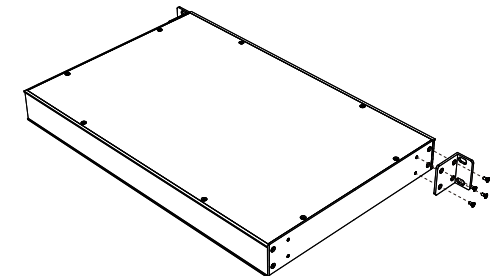


Step 3    Place the device in the rack; adopt 4 bolts to fix two sides mounting lugs in the rack.

Step 4 Check and confirm the product is mounted firmly on the rack, mounting ends.

## 【Disassembling Device】

Step 1 Power off the device.

Step 2 Adopt screw driver to loosen the 4 bolts fixed on the mounting lugs in the rack.

Step 3 Shift out the device from rack, disassembling ends.

⚠ **Notice before power on:**

- Power ON operation: First insert the power supply terminal block into the device power supply interface, then plug the power supply plug contact and power on.
- Power OFF operation: First, remove the power plug, then remove the wiring section of terminal block. Please pay attention to the above operation sequence.
- Please be aware of the power input range supported by the device before powering on. Use the recommended voltage of the device to avoid device damage.
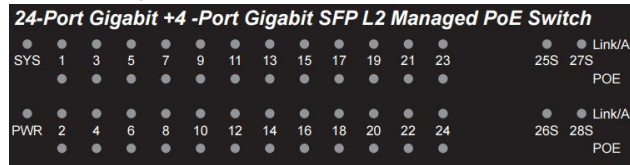
## 【Console Port Connection】
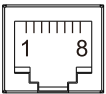
Provide 1 program debugging port based on RS-232 serial port which can conduct device CLI command management after connecting to PC. The interface adopts RJ45 port, the RJ45 pin definitions are as follows:

| Pin No. | 2 | 3 | 5 |
|---------|-----|-----|-----|
| Pin | TXD | RXD | GND |

| Definition | | | |
|---|---|---|---|

## 【Checking LED Indicator】

24-Port Gigabit +4 -Port Gigabit SFP L2 Managed PoE Switch

As shown above, 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:

| Indicator | Panel ID | Status | Definition |
|---|---|---|---|
| Power indicator | PWR | Indicator off | The switch is not powered on. |
| | | The Green light keeps on | The switch is powered on. |
| System indicator | SYS | Indicator off | The system is not started. |
| | | Flashing green | The system is starting or the system has started successfully |
| Ethernet port indicator (1-24) | Link/Act /Speed | Indicator off | Port is not Link |
| | | The orange light keeps on | Port 10/100M link up |
| | | Flashing orange | Port 10/100M data transmission |
| | | The Green light keeps on | Port 1000M Link Up |
| | | Flashing green | Port 1000M data transmission |
| SFP interface indicator (25-28) | Link/Act | Indicator off | Port is not Link |
| | | The Green light keeps on | Port 1000M Link Up |
| | | Flashing | Port 1000M port data |

| | | green | transmission |
|---|---|---|---|
| PoE status indicator (1-24) | PoE | Indicator off | PD is not connected to the corresponding port or PoE power is not provided |
| | | The yellow light keeps on | PD is connected to the corresponding port and PoE is powered normally |
| | | Flashing yellow | PoE power has short circuit or power has current overload |

## 【Logging in to WEB Interface】

Support 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: 192.168.1.254.

Step 3 Enter device's username and password in the login window as shown below.

Username: [ ]
Password: [ ]
Language: English ▼
Login
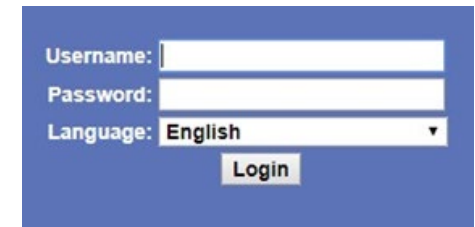
Step 4 Click "Login" button to login to the WEB interface of the device.

📄 **Note:**

- The default IP address of the device is "192.168.1.254".
- The default user name and password of the device are

"admin123".

- Please refer to user manual for specific configuration method of logging in to WEB interface and other configurations about network management function.

## 【Specification】

| Panel | |
|---|---|
| Gigabit PoE copper port | 10/100/1000Base-T(X) self-adaption or forced mode, RJ45, Automatic Flow Control, Full/Half Duplex Mode, MDI/MDI-X Autotunning, power supply pins 1/2(+) and 3/6(-), and the maximum output power consumption of PoE is 370W |
| Gigabit SFP | 100/1000Base-X self-adaption or forced mode, SFP slot |
| Console port | CLI command management port (RS-232), RJ45 |
| RESET | Restore Factory Settings Button |
| Indicator | Power supply indicator, system indicator, interface indicator, PoE indicator |
| Switch Property | |
| Backplane bandwidth | 56G |
| Packet buffer size | 4.1Mbit |
| MAC Address Table | 8K |
| Power Supply | |
| Access terminal block | AC 100-240V/50-60Hz 400W built-in switch power supply |
| Power Consumption | |
| Full-load | Max: 430W(220V/50Hz) |
| Working Environment | |
| Working temperature | 0～45℃ |
| Storage temperature | -40～70℃ |
| Working humidity | 10%～90% (no condensation) |
| Protection grade | IP30(metal shell) |