IES6000-8GP2HS-2P48-240W Layer 2 Managed Industrial PoE Ethernet Switch Quick Installation Guide

【Package Checklist】

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

1. Industrial Ethernet switch
2. Certification
3. Quick installation guide
4. Warranty card
5. DIN-Rail mounting attachment
6. CD

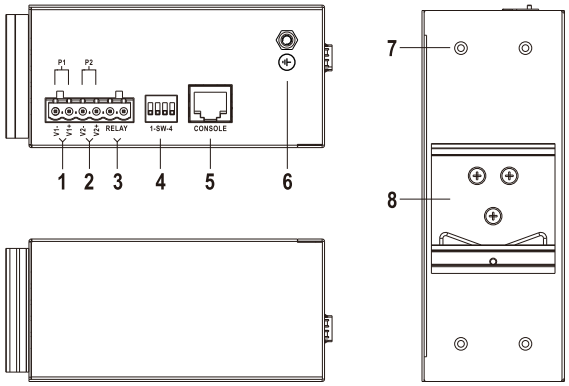
If any of these items are damaged or lost, please contact our company or dealers, we will solve it ASAP.

【Product Overview】

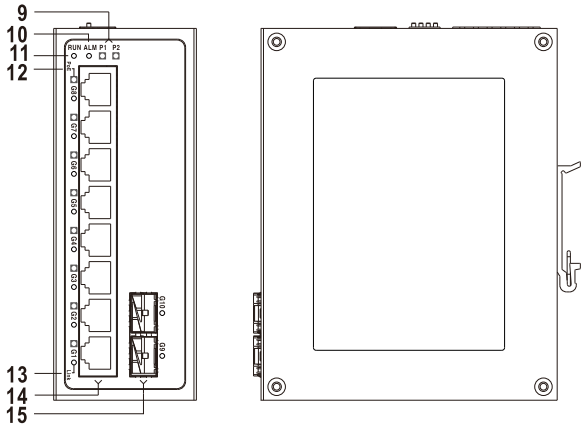
This product is layer 2 managed DIN-Rail industrial PoE Ethernet switch. The model is: IES6000-8GP2HS-2P48-240W-N (8 Gigabit PoE Copper Ports + 2 2.5G SFP Slots, 48VDC redundant power supply)

【Panel Design】

➢ **Top view, bottom view and rear view**



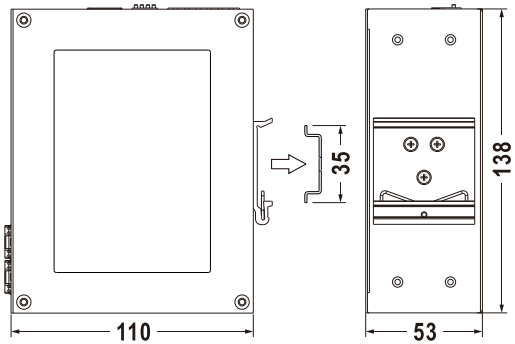
➢ **Front view and Side view**



1. Input terminal block for Power 1
2. Input terminal block for Power 2
3. Relay alarm output terminal
4. DIP switch
5. Console port
6. Grounding screw
7. Wall-mounting location hole
8. DIN-Rail mounting kit
9. Power indicator (P1/P2)
10. Alarm indicator (ALM)
11. Running indicator (RUN)
12. PoE indicator (PoE G1-G8)
13. Interface connection indicator (Link G1-G10)
14. 10/100/1000Base-T(X) Gigabit PoE copper port (G1-G8)
15. 2.5G SFP slot (G9-G10)

【Mounting Dimension】

Unit: mm

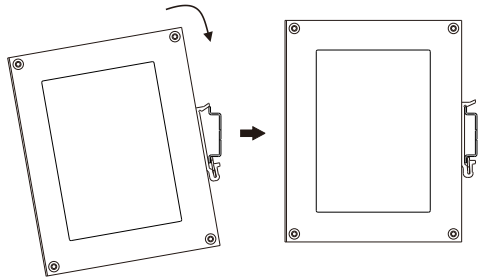


Notice Before Mounting:

- Don't place or install the device in area near water or moist, keep the relative humidity of the device surrounding between 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 product is firmly installed on DIN-Rail, then mounting ends.

【Disassembling DIN-Rail】

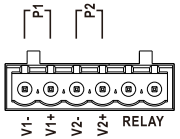
Step 1 Power off device.

Step 2 After lifting 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.

Notice before power on:

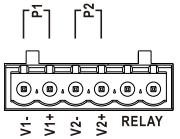
- Power ON operation: First insert the power supply terminal block into the device power supply interface, then plug the power supply plug contact and power on.
- Power OFF operation: First, remove the power plug, then remove the wiring section of terminal block. Please pay attention to the above operation sequence.

【Power Supply Connection】



The device provides 6-pin 5.08mm pitch power supply terminal. It supports two independent DC power supply systems, P1 and P2. Power supply supports anti-reverse connection and redundant backup. The definitions of power pin are shown in the left figure, and the power supply input is 48VDC.

【Relay Connection】



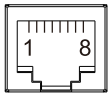
This device provides 6-pin 5.08mm pitch input terminal blocks, and the relay occupies the right 2 pins. Relay terminals are a set of normally open contacts of the device alarm relay. They are open circuit in the state of normal non alarm, closed when any alarm information occurs. For example, they are closed when powered off, and send out alarm. The switch supports 1 relay alarm information output that supports DC power supply alarm and port alarm information output. It can be connected to alarm light, alarm buzzer or other switching value collecting devices; it can timely inform operators when the alarm occurs.

【DIP Switch Settings】

The device provides 4-pin DIP switch for function setting, in which "ON" is the enabled end. The definitions of DIP switch are as follows:

DIP	Definition	Operation
1	Restore Factory Settings	Set the DIP switch to ON, the device will root automatically and restore to factory settings, then turn off the DIP switch.
2-4	Reserved	—

【Console Port Connection】



The device provides 1 program debugging port based on RS232 serial port which can conduct device CLI command management after connecting to PC. The interface adopts RJ45 port, the RJ45 pin definition as follows:

Pin No.	2	3	5
Definition	TXD	RXD	GND

【Checking LED Indicator】

The device provides LED indicators to monitor the device working status with a comprehensive simplified troubleshooting; the detailed status of each LED is described in the table as below:

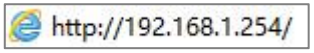
LED	Indicate	Description
P1/P2	ON	PWR is connected and running normally
	OFF	PWR is disconnected or running abnormally
ALM	ON	Power supply or port link has alarm
	OFF	Power supply and port link have no alarm
RUN	ON	The device is powering on or the device is abnormal.
	OFF	The device is powered off or the device is abnormal.
	Blinking	Blinking 1 time per second, system is running normally
PoE (G1-G8)	ON	POE port is powering other PD devices normally
	OFF	POE is disabled or PD device is disconnected
Link/Act (G1-G10)	ON	Ethernet port has established a valid network connection.
	Blinking	Ethernet port is in an active network status.
	OFF	Ethernet port has not established valid network connection

【Logging in to WEB Interface】

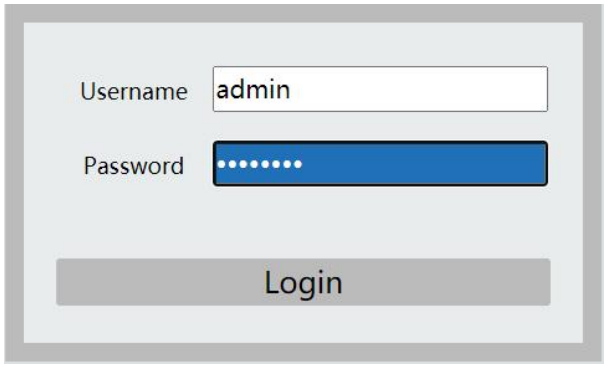
This device supports WEB management and configuration. Computer can access the device via Ethernet interface. The way of logging in to device's configuration interface via IE browser is shown as below:

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.



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



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 “admin”.
- When logging in to the device for the first time, the system will prompt to change the initial password of the default user; The length of the new password string must be greater than or equal to 8 and be composed of two or more kinds of uppercase letters, lowercase letters, numbers and special characters.
- If the user name or password is lost, the factory settings can be restored through the DIP switch or management software of the device; Or make a physical loopback between Port 1 and Port 2 within the first minute when the switch restarts.
- 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), RJ45, Automatic Flow Control, Full/Half Duplex Mode, MDI/ MDI-X Autotunning; The single port supports 15.4W PoE output power of IEEE802.3af standard and 30W PoE+ output power of IEEE802.3at standard; PoE power supply pin: V+, V+, V-, V- correspond to pin 1, 2, 3, 6
2.5G SFP	100/1000 Base-X self-adaption or 100/1000/2.5G Base-X forced mode, SFP slot
Console port	CLI command management port (RS-232), RJ45
Alarm interface	6-pin 5.08mm pitch terminal blocks, alarm occupies 2 pins and 1 relay alarm information output is supported, the current load capability is 1A@30VDC or 0.3A@125VAC
Indicator	Run indicator, interface indicator power indicator, alarm indicator, PoE indicator
Switch Property	
Backplane bandwidth	30G
Packet buffer size	4Mbit
MAC Address Table	8K
Power Supply	
Input power supply	48VDC redundant power supply Support anti-reverse connection
Access terminal block	6-pin 5.08mm pitch terminal blocks, power supply occupies 4 pins
Power Consumption	
Full-load	＜240W
Working Environment	
Working temperature	-40~75℃
Storage temperature	-40~85℃
Working humidity	5%～95% (no condensation)
Protection grade	IP40 (metal shell)

【Disposal of Waste Electrical and Electronic Equipment (WEEE 2012/19/EU)】

(Applicable in the EU-member states)

The crossed-out wheeled bin symbol on the equipment or its packaging indicates that the product, at the end of its service life, shall not be mixed with unsorted municipal waste but should be collected separately, in accordance with local laws and regulations.

A proper separate collection of end-of-life equipment for the subsequent recycling, treatment and environmentally compatible disposal, will help prevent potential damage to the environment and human health, facilitating the reuse, recycling and/or recovery of its component materials.

Private users should contact their vendor or municipal waste management service and ask for disposal information.

Professional users should contact their suppliers and check the terms of their selling agreement.

This product must not be disposed of with other commercial waste.

Users’ cooperation in the correct disposal of this product will contribute to saving valuable resources and protecting the environment.