



IES6000-8GT2HS

Layer 2 Managed Industrial 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. Quick Installation Guide
3. CD
4. DIN-Rail mounting attachment
5. Warranty card
6. Certificate

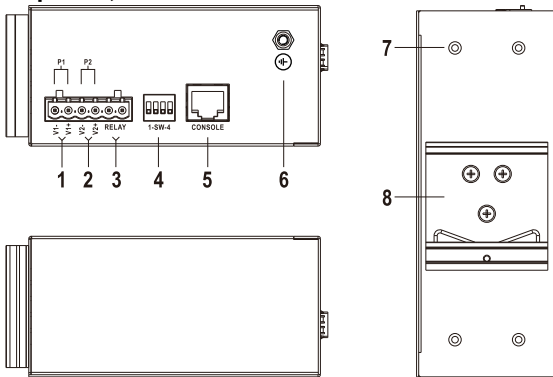
If any of these items are damaged or lost, please contact our company or dealers, we will solve it ASAP.

【Product Overview】

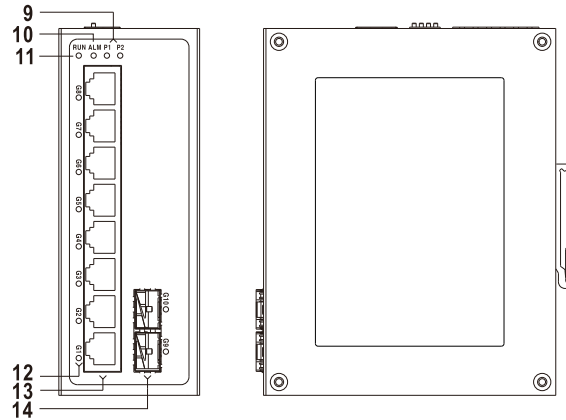
This product is layer 2 managed DIN-Rail industrial Ethernet switch. The model is: IES6000-8GT2HS-N (8 Gigabit Copper Ports + 2 2.5G SFP)

【Panel Design】

➤ Top view, bottom view and rear view



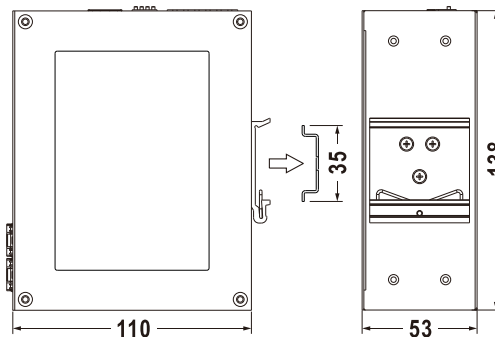
➤ Front view and Side view



1. Input terminal block for Power 1
2. Input terminal block for Power 2
3. Relay alarm output terminal block
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. Interface connection indicator (G1-G10)
13. 10/100/1000Base-T(X) copper port (G1-G8)
14. 2.5G SFP slot (G9-G10)

【Mounting Dimension】

Unit: mm

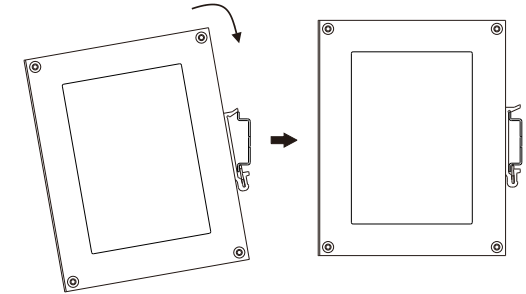


Notice Before Mounting:

- 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, 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.



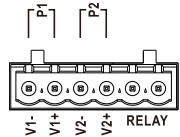
Notice before power on:

- Power ON operation: First insert the power supply terminal block into the device power supply interface, and then plug the power supply plug contact and power on.
- Power OFF operation: First, remove the power plug, and 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 blocks. It supports two independent DC power supply systems, P1 and P2. Power supply supports non-polarity and redundant backup. The definitions of power pin are shown in the left figure, and the power supply input is 12~48VDC.

【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】



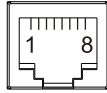
The device provides 4-pin DIP switch for function setting, in which “ON” is the enabled end. The device needs to be powered on again to change the status of DIP switch.

DIP switch definition as follow:

DIP	Definition	Operation
1	Restore	Set the DIP switch to ON, the

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

【Console Port Connection】



The series products provide 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
Pin 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:

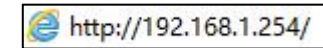
LED	Indicate	Description
P1/P2	ON	PWR is connected and running normally
	OFF	PWR is disconnected or running abnormally
ALM	ON	Power supply or port link has alarm
	OFF	Power supply and port link have no alarm
RUN	ON	The device is powered on or the device is abnormal.
	OFF	The device is powered off or the device is abnormal.
	Blinking	Blinking 1 time per second, system is running normally
Link/Act (G1-G10)	ON	The Ethernet interface has established a valid network connection.
	Blinking	The Ethernet interface is in a network activity state.

LED	Indicate	Description
	OFF	The Ethernet port has not established a 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 “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 user name and password of the device are “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】

Panel	
Gigabit copper port	10/100/1000Base-T(X), RJ45, Automatic Flow Control, Full/Half Duplex Mode, MDI/MDI-X Autotuning
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, including 2-pin alarm terminal blocks. It supports 1 channel relay alarm information output, current load capacity is 1A@30VDC or 0.3A@125VAC
Indicator	Running Indicator, Port Indicator, Power Supply Indicator, Alarm Indicator
Switch Property	
Backplane bandwidth	30G
Packet buffer size	4Mbit
MAC Address Table	8K
Power supply	

Input power supply	12~48VDC, dual power supply redundancy, support non-polarity
Access terminal block	6-pin 5.08mm pitch terminal blocks, power supply occupies 4 pins
Power consumption	
No-load	8.9W@30VDC
Full-load	4.0W@30VDC
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.