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Make network communication more reliable

IES6300TSN-8GT2GS-2LV
Managed Industrial Ethernet 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. DIN-Rail mounting attachment
3. Certification
4. Warranty card

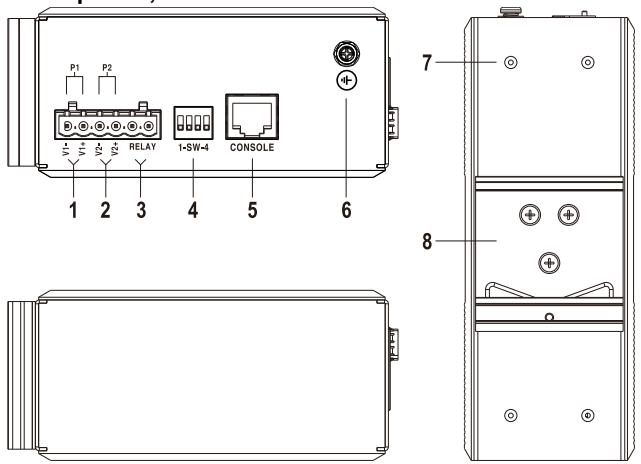
If any of these items are damaged or lost, please contact our company or dealers, we will solve it ASAP.

【Product Overview】

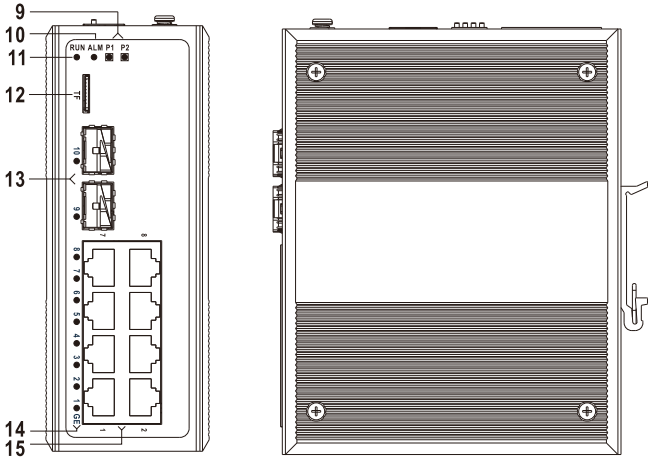
This product is Gigabit managed DIN-Rail industrial Ethernet switch. The model is: IES6300TSN-8GT2GS-2LV (8 Gigabit PoE Copper Ports + 2 Gigabit SFP Slots, 9~60VDC redundant power supply input).

【Panel Design】

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



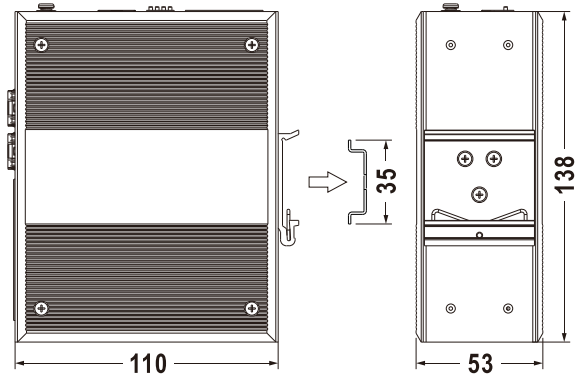
➢ **Front view and Side view**



1. Power P1 input terminal (P1)
2. Power P2 input terminal (P2)
3. Terminal blocks for relay alarm output (RELAY)
4. DIP switch
5. CONSOLE port
6. Grounding screw
7. Wall-mounting location hole
8. DIN-Rail mounting kit
9. Power supply indicator (P1-P2)
10. Alarm indicator (ALM)
11. Running indicator (RUN)
12. TF card slot (TF, reserved)
13. 1000Base-X Gigabit SFP (GE 9-10)
14. Interface indicator (GE 1-10)
15. 10/100/1000Base-T(X) Gigabit copper port (GE 1-8)

【Mounting Dimension】

Unit: mm

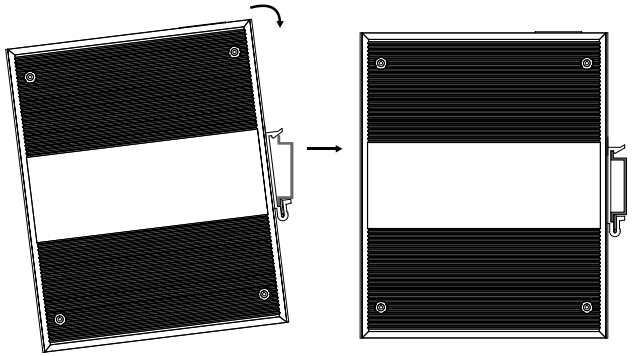


Notice Before Mounting:

- 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 the device.

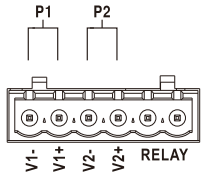
Step 2 After lifting the device upward slightly, first shift out the top of DIN-Rail mounting kit, and then shift out the bottom of DIN-Rail, disassembling ends.

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.

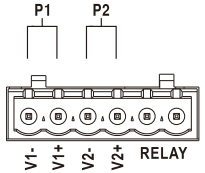
【Power Supply Connection】

The device provides 6-pin 5.08mm pitch terminal blocks and power supply occupies the left 4 pins. It supports two



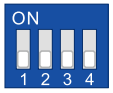
independent DC power supply systems, P1 and P2, and supports dual power supply redundancy. The power supply has the function of non-polarity connection, and the device can still work normally after the reverse connection. Voltage range: 9~60VDC.

【Relay Connection】



This device provides 6-pin 5.08mm pitch terminal blocks, relay occupies the right 2 pins. The relay is a group of normally closed contacts, which is closed in normal no-alarm state and open when any alarm information occurs. For example, they are open when powered off, and send out alarm. The switch supports 1 relay alarm information output that can output DC power supply alarm information or network abnormality alarm. It can be connected to alarm light or alarm buzzer or other switching value collecting devices, which can timely inform operators when the alarm occurs.

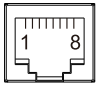
【DIP Switch Settings】



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	First dial the DIP switch to "ON", then put back the DIP switch.
2- 4	—	—

【Console Port Connection】



The device provides 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 definition as follows:

Pin No.	2	3	5
Definition	TXD	RXD	GND

【Checking LED Indicator】

The device provides LED indicators to monitor its operating status, which has simplified the overall troubleshooting process. The function of each LED is described in the table below:

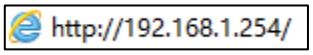
LED	Indicate	Description
RUN	Blinking	The device is running normally
	OFF	Device is not started or device is abnormal
ALM	ON	Power, port or other configuration event has alarms
	OFF	Power, port and other configuration event has no alarm.
P1-P2	ON	Power supply is running normally
	OFF	Device is not powered on or device is abnormal
GE 1-10	ON	Ethernet port has established a valid network connection
	Blinking	Ethernet port is in an active network status
	OFF	Ethernet port has not established a valid network connection.

【Logging in to WEB Interface】

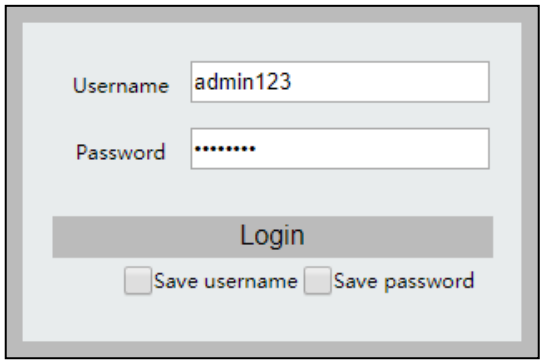
This device supports WEB management and configuration. Computer can access the device via Ethernet interface. The way of logging in to device’s configuration interface via IE browser is shown as below:

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 “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 username and password of the device are “admin123”.
- The default password is valid for 90 days. After the password expires, the corresponding user will not be able to log in to the WEB, so he/she needs to log in to CLI to reset their password.
- 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	Self-adaptive 10/100/1000Base-T(X) RJ45, Automatic Flow Control, Full/Half Duplex Mode, MDI/MDI-X Autotunning
Gigabit SFP	1000Base- X, SFP slot
TF card slot (reserved)	1 TF(Micro SD) card slot, reserved
Alarm interface	1 relay alarm output, 6-pin 5.08mm pitch terminal blocks, relay occupies the right 2 pins, current carrying capacity is 1A@30VDC or 0.3A@125VAC
CONSOLE port	CLI command line management port (RS-232), RJ45
Indicator	RUN indicator, ALM indicator, power supply indicator, interface indicator
Switch Property	
Backplane bandwidth	20G
Packet buffer size	2Mbit
MAC Address Table	16K
Power Supply	
Input power supply	9～60VDC Support dual power supply redundancy and non-polarity
Access terminal block	6-pin 5.08mm pitch terminal blocks (power supply occupies the left 4 pins)
Power consumption	
No-load	Normal temperature: 4.3W@48VDC High temperature: 4.9W@48VDC
Full-load	Normal temperature: 6.8W@48VDC High temperature: 7.8W@48VDC
Working Environment	
Working temperature	-40~75℃
Storage temperature	-40~85℃
Working humidity	5%～95% (no condensation)
Protection grade	IP40 (metal shell)