Industrial Ethernet Switch
User's Manual

2*GE SFP port+8*10/100/1000M RJ45

❶ Basic Features and Specifications

Standard	IEEE802.3 (10Base-T)
	IEEE802.3u (100Base-TX/FX)
	IEEE802.3ab (1000Base-T)
	IEEE802.3z (1000Base-SX/LX/CX/T)
	IEEE802.3af (Power over Ethernet)
	IEEE802.3at (Power over Ethernet enhancements)
Interface	Ethernet+PoE: RJ45
	Fiber: SFP port
Data Rate	UTP: 10/100/1000Mbps
	Fiber: 1000Mbps
Distance	UTP: 100m
	Fiber: 0~120km
Duplex mode	Full-Duplex / Half-Duplex
UTP line	Cat 5/5e/6 UTP cable
Fiber line	Multi-mode: 50/125, 62.5/125μm
	Single-mode: 9/125μm
Power	DC48V
Dimensions	53x165x145mm (Excluding the connector, DIN rail, and component for panel mounting)
Installation	DIN-Rail or Panel mounting
Weight	0.85kg
Temperature	-40℃~+85℃
Humidity	5%~95% (non-condensing)

❷ Front Panel LEDs

LED	State	Description
PWR1	On	Power 1 is connected and operates properly
	Off	Power 1 is not connected or operates abnormally
PWR2	On	Power 2 is connected and operates properly
	Off	Power 2 is not connected or operates abnormally
SFP1/SFP2	On	Effective port connection
	Blinking	Ongoing network activities
	Off	No effective port connection
RJ45 LED(Green)	On	Effective port connection
	Blinking	Ongoing network activities
	Off	No effective port connection
RJ45 LED(Yellow)	On	1000M working state (1000Base-Tx)
	Off	10/100M working state (10/100Base-Tx) or no connection

❸ PoE Function

Power Output: PoE 48V DC, Each PoE port max 30W
PoE Power Supply type: End-Span
Power Pin Assignment: 1/2(+), 3/6(-)

❹ Power Terminal Block Wiring and Mounting

There is a power terminal block on the top panel of the switch. You need to connect the power cable to the terminal block to provide power for the switch. The switch supports redundant power supplies. The redundant power supply supports two power inputs by using 5-pin 5.08mm-spacing plug-in terminal block; When one power input is faulty, the switch can continue operating properly, thereby improving network reliability.

Socket
Plug

Power 2 -
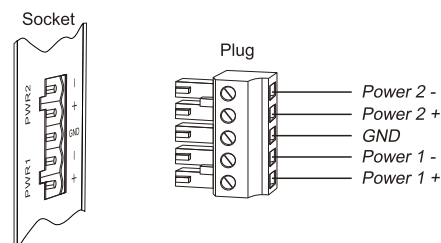Power 2 +
GND
Power 1 -
Power 1 +

Figure 1 Cable Connection of 5-Pin 5.08mm-Spacing Plug-in Terminal Block

Caution:
Before connecting the device to power supply, make sure that the power input meets the power requirement. If connected to an incorrect power input, the device may be damaged. Input: DC12~48V(without PoE), DC48V(with PoE)

Warning:
Do not touch any exposed conducting wire, terminal, or component with a voltage warning sign, because it may cause damage to humans.

❺ Mounting Modes and Steps

The series switches support DIN rail and panel mounting. Before installation, make sure that the following requirements are met.

1) Environment: Temperature (-40°C to +85°C), Ambient Relative Humidity (5% to 95%, Non-condensing)

2) Power requirement: The power input is within the voltage range of the switch.

3) Grounding resistance: <5 Ω

4) No direct sunlight, Distant from heat source and areas with strong electromagnetic interference.

❻ DIN-Rail Mounting

Step 1: Select the mounting position for equipment and guarantee adequate space for it.

Step 2: Insert the upper connecting seat of equipment into the top of the DIN rail, and push the top of the device inward and downward to ensure the DIN rail fits in the connecting seat, as shown in the left of Figure 3. Make sure that equipment is firmly installed on the DIN rail, as shown in the right of Figure 3.
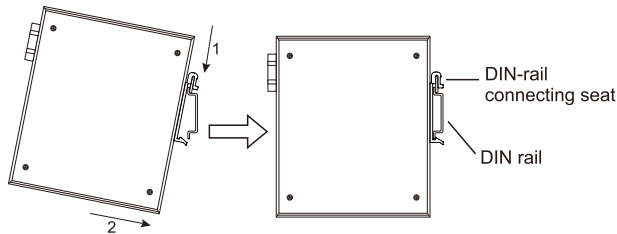
Figure 3 DIN Rail Mounting

❼ DIN Rail Dismounting

Step 1: As shown in figure 4, gently press the equipment from arrow 1 direction, twirl the equipment from arrow 2 direction as shown in figure 4 at the same time.

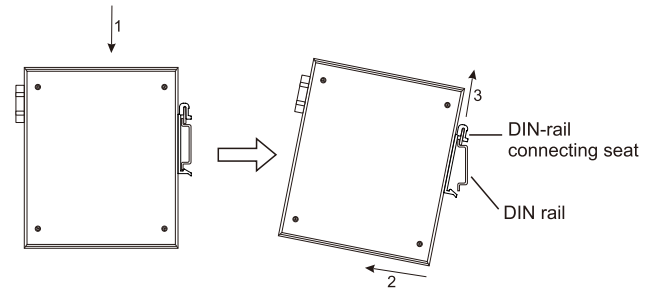Step 2: Move the equipment as arrow 3 direction, can take the equipment down from the DIN rail.

Figure 4 DIN Rail Dismounting

❽ Panel Mounting

Step 1: Use screws to fix the plate for panel mounting to the rear panel of the switch.

Step 2: Select the mounting position on a wall or an inner wall of a cabinet for equipment and guarantee adequate space for it.

Step 3: Punch two holes in the selected position according to the panel mounting dimensions of equipment. Insert two screws into the two holes respectively, and turn the screws with a Philips screwdriver until about a 5mm distance is left between each screw head and the wall.

Step 4: Align the two mounting holes on the plate for panel mounting with the two screws. Make the screws pass through the Φ6.5 positions in the following figure. Move equipment in direction 1 until the two screws are in the Φ4 positions. Then tighten the screws. In this way, equipment is firmly mounted to the wall or inner wall of a cabinet.
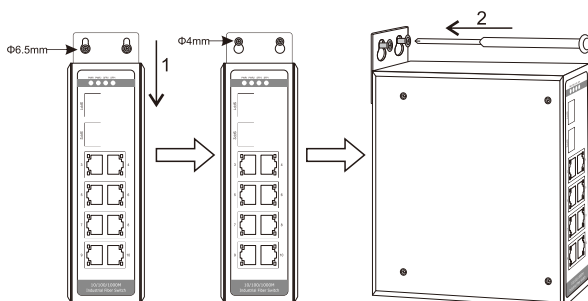
Figure 5 Panel Mounting

❾ Panel Dismounting

Step 1: Loosen the two screws with a screwdriver. Move the device upward until the two screws are in the Φ6.5 positions in the following figure. Then remove the plate for panel mounting from the two screws to detach the device from the wall or inner wall of the cabinet.

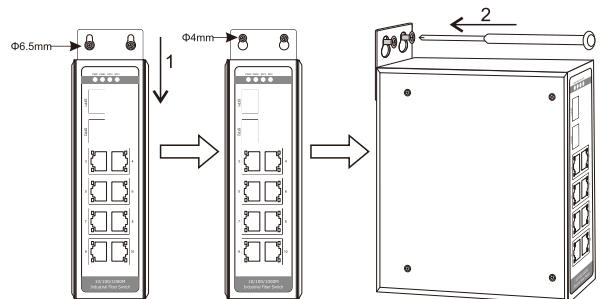Step 2: Loosen the screws completely with a screwdriver. Remove them from the wall or inner wall of the cabinet. In so doing, you have completed dismounting the device.

Figure 6 Panel Dismounting