



SDI-550/541

Quick Installation Guide



Industrial Ethernet Switch

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Introduction

SDI-550/541 Industrial Ethernet Switch, conforming IEEE 802.3 and 802.3u standard, supports 5 10/100Base TX (SDI-550) or 4 10/100TX plus one 100FX Ethernet port(SDI-541). SDI-550/541 adopts slim industrial design to save rail space of compact system requirement. In order to survive under harsh environment, SDI-550/541 chooses industrial-grade aluminum case with IP31 standard protection.

It provides one relay output to alarm port break events, which is enabled/ disabled by the dip switch. SDI-550/541 is recommended to be powered by DC24V (18~32V) or AC18V (18~27V) from the terminal block.

Package Check List

Unpack the box, you will find

- ▶ SDI-550/541 Switch
- ▶ Quick Installation Guide



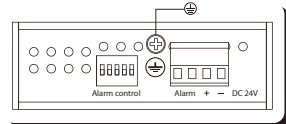
Mounting the Unit

- ▶ Din-Rail mount: Mount the din-rail clip screwed on the rear of SDI-550/541 on the DIN rail.



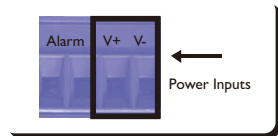
Grounding SDI-550/541 Switch

There is one grounding screw on the bottom side of SDI-550/541. Connect the frame grounding of switch to the grounding surface to ensure safety and prevent noise



Wiring the Power Inputs

1. Insert the positive and negative wires into the V+ and V- contact on the terminal block connector
2. Tighten the wire-clamp screws to prevent the DC wires from being loosened.

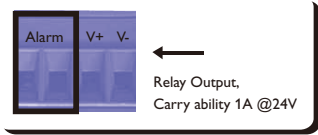


Notes: The recommended working voltage is DC24V (DC18~ 32V) or AC18V (18~27V)

Wiring the Relay Output

The relay output alarm contacts are in the middle of the terminal block connector as shown in the figure.

By inserting the wires and set the DIP switch to "ON", relay output alarm will detect any port failures, and form a short circuit. The alarm relay output is "Normal Open".

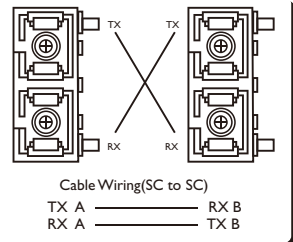


Connecting to Network

1. Connecting the Ethernet Ports: Connect one end of an Ethernet cable into the UTP port of SDI-550/541, while the other end is connected to the attached networking device. All UTP ports support auto MDI/MDIX function. The LNK / ACT LED will turn Yellow for 10M Ethernet or Green for 100M Ethernet.

2. Connecting the Fiber Port (SDI-541) : Connect the fiber port on your SDI-541 to another Fiber Ethernet device, by following the figure below.

Wrong connection will cause the fiber port not working properly.



ATTENTION

This is a Class 1 Laser/LED product.
Don't stare into the Laser/LED Beam.

DIP Switch Settings for Alarm Relay Output

| Pin No. # | Status | Description | Alarm Switch |
|-----------------------|--------|---|--------------|
| P1 to P5 (Pin1 ~5) | ON | To enable port break alarm at this port. | |
| | Off | To disable port break alarm at this port. | |



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