Brief introduction

Thanks for purchasing industrial managed switch.

They are fully managed L2 switches, adopt store-forward architecture, fan-less and energy-saving design. Full-series design with protection against lightning, anti-static and operate in -40° C~85° C for harsh environments; such as industrial automation, public security, power system, intelligent transportation systems (ITS), shipping, mining ,water conservancy and oil fields.

Packing list

Please check the following items in the package before the installation of transceiver.

Industrial Managed Switch 1 piece

SFP module Not included

User manual 1 piece

Please contact the dealer immediately for any loss or damage to the above items.

Hardware Features

- ERPS (G.8032)
- Redundant dual DC input power 12/24/48VDC
- Provide power polarity reverse,Overload current protect function
- 4KV surge protection for UTP and fiber ports
- IP40 Aluminum metal case protection
- DIN-rail default, Wall Mount kits optional
- Supports EFT protection 6000VDC for power line
- Supports 8~15KV ESD protection
- -40°C~85°C operating temperature
- Low power consumption

Technical parameters

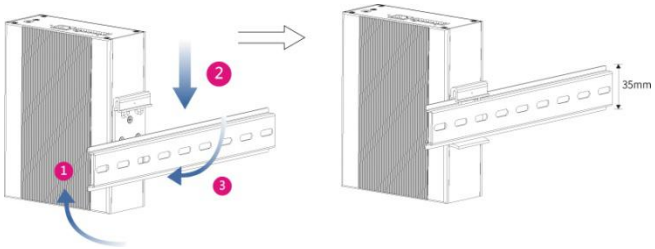
Standards	IEEE802.3; IEEE802.3u IEEE802.3ab; IEEE802.3z IEEE802.3x; IEEE802.1Q IEEE802.1w; IEEE802.1s IEEE802.1d
Switching Capacity	12Gbps/non-blocking
MAC Address Table	8K
Data Buffer	4M
Maximum Frame Size	9.6K Jumbo Frame
Copper	10/100/1000Base-T, RJ45 ESD protection; EFT protection
Fiber	100/1000Base-X,SFP Slot
Console	RS232 (RJ45)
Key Switch	Reset
Power	DC:12V~58V, POE DC:48V~58V 6-PIN Removable Terminal Block Overload voltage protection Overload current protection Reverse Polarity protection Lightning protection:6KV ESD: 8~15KV
LED Indicators	PWR, RUN, Link/Act, Speed, Fiber Link
Operating Temperature	-40 ˚C ~ +85 ˚C
Relative Humidity	5-95% (no condensation)
Housing	IP40 Protection, Aluminum Alloy, fan-less
Mounting	DIN-rail 35-7.5 or wall mounting

Installation

1. DIN-rail installation

Step 1: Lightly insert the DIN-rail into the track

Step 2: Make sure the DIN-rail is tightly secured on the track

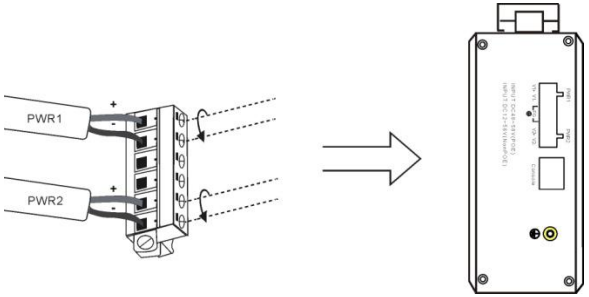


2. Power supply installation

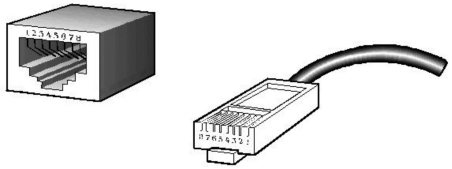
Input terminal of the switch for 6PIN plug type terminals, V1+ and V1- is for power supply 1 (PWR1), V2 + and V2- is for power supply 2 (PWR2) and GND for earthing terminal.

Power 1 and power 2 input voltage range is 12VDC~56VDC (PoE 48VDC~56VDC), V1+,and V2+ are positive, V1- and V2- are negative, and the equipment supports anti reverse function; Two sets of power can be simultaneously accessed. So if One of the power failure, the switch is still able to work;

Note: POE is Power over Ethernet technlogy. It comply with 802.3af/at standard. PoE Pin: V1+ and V2+ are positive, V3- and V6- are negative.

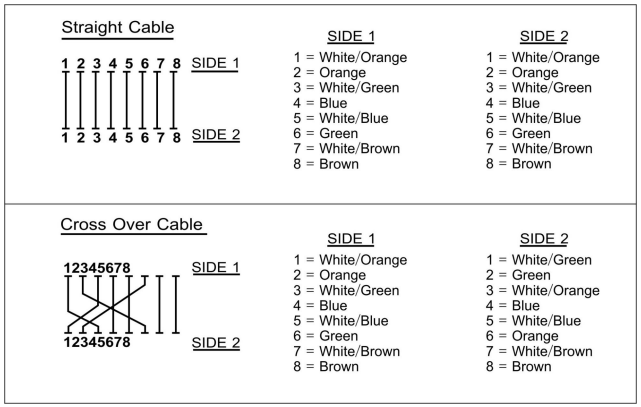


3. Copper cable connection



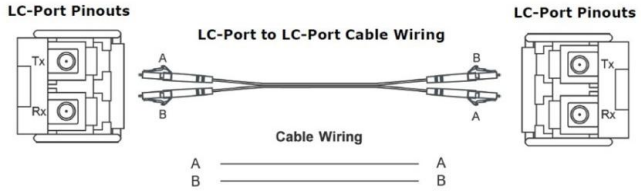
The standard RJ45 receptacle/connector

There are 8 wires on a standard UTP/STP cable and each wire is color coded. The following shows the pin allocation and color of straight through cable and crossover cable connection:



4. Fiber cable connection

SFP slot is for SFP module. The fiber interface is of duplex type, namely TX and RX. When the two sets of optical transceiver are interfaced or connected to switch with fiber interface, the fiber is in cross connection, namely "TX-RX", "RX-TX" (direct butting for single optical fiber).



Trouble shooting

1. The per port LED is not lit

Solution: Check the cable connection of the industrial switch

2. Per port LED is lit, but the traffic is irregular

Solution: Check whether the attached device is not set to dedicated full duplex. Some devices use a physical or software switch to change duplex modes. Auto-negotiation may not recognize this type of full-duplex setting.

3. Why the Industrial Switch doesn't connect to the network

Solution: Check each port LED on the Industrial Switch. Try another port on the switch. Make sure the cable is installed properly and the right type. Turn off the power. After a while, turn on the power again.

User Manual

10/100/1000M

Industrial Managed Switch

User Manual

V1.0

Please read before using the device