

## Copyright

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## About the Quick Installation Guide

This Quick Installation Guide is intended to guide professional installer to install and configure the JetCon 2301S. It covers procedures to assist you in avoiding unforeseen problems.

## Introduction

JetCon 2301S is a single port Fast Ethernet to Fiber media converter, supporting 4 types of forwarding modes – Store and Forward, Modified Cut-through, Pure Converter and Converter with auto-change modes. JetCon 2301S with IP31 grade enclosure and 1.5KV Hi-Pot isolation protection to operate in harsh environments with severe electromagnetic interference and -40~70°C.

## Package Check List

- JetCon 2301S Industrial Media Converter
- Quick Installation Guide

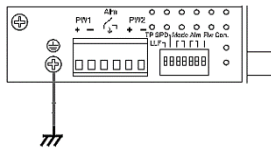
## Installation

### Mount the unit

Din-Rail mount: Mount the din-rail clip on the rear of JetCon 25301 on the DIN rail. For information about the DIN Rail installation, please refer to user's manual.

### Grounding JetCon 2301S

There is one grounding screw on the bottom side of JetCon 2301S. Connect the frame grounding of JetCon 2301S to the grounding surface to ensure safety and prevent noise for communication interference.



### 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 power wires loosened.

### Note:

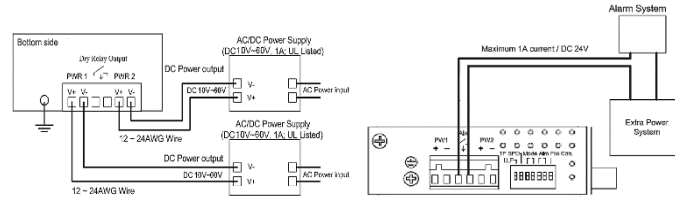
The recommended working voltage is DC 24V. (Input range: DC10~ 60 V)

### Wiring the Relay Output

The relay output contacts are in the middle of the terminal block connector as shown below. By inserting the wires and settings the DIP switch of the respective alarm function to “ON”, relay output alarm will detect port or power fault, and form a short circuit. The alarm relay output is “Normal Open”. For more information, please refer Manual chapter for more detail.

### Note:

The relay contact only support 1A current, DC 24V. It does not recommend apply higher voltage and current that over this specification.

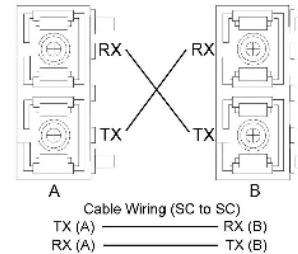


### Connecting to Network

1. Connecting the Ethernet Port: Connect one end of an Ethernet cable into the UTP port of JetCon 2301S, while the other end is connected to the attached networking device. UTP port support auto MDI/MDIX function. The LNK / ACT LED will turn on and flash to indicate RJ-45 port link and the packets received and transmitted from RJ-45.

2. Connecting the Fiber Port: Connect the fiber port on your JetCon 2301S to another Fiber Ethernet device, by following the figure below. Wrong connection or fiber cable type will cause the fiber port not working properly.

3. For different link distance, the JetCon 2301S provides JetCon 2301S-mw” for multi-mode fiber and “JetCon 2301S-sw” for single-mode fiber.



4. The table below illustrates fiber transceiver specification.

Model	Fiber (um)	Connector	Wavelength (um)	TXPwr (min)	TxPwr (Max)	RxPwr (Min)	RxPwr (Max)	LinkBudg (dBm)	Distance (km)
JetCon 2301S-mw	Multi-mode 50~62.5/125	SC	1310nm	-20dBm	-14dBm	-31dBm	0dBm	11dBm	2km
JetCon 2301S-sw	Single-mode 8~10/125	SC	1310nm	-15dBm	-8dBm	-34dBm	-8dBm	19dBm	30km

### Note:

To ensure your fiber converter can transmit/receive data between the 2 nodes, the attenuation of the optical fiber cable should be smaller than the fiber converter's Link Budget.

## Attention:

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

## DIP Switch Setting

Pin No. #	Status	Description
DIP 1	On	Enable Link Loose Forwarding function.
	Off	Disable Link Loose Forwarding function (Default)
DIP 2	On	Set TX port in Force_100F
	Off	Set TX port in Auto-Negotiation mode.(Default)
DIP 3	Off	Store and Forward forwarding mode (default mode)
Off	On	Pure Converter forwarding mode
On	Off	Modify Cut-Through forwarding mode
On	On	Converter mode with Auto-Change forwarding mode
DIP 5	On	Enable power alarm
	Off	Disable power alarm (default)
DIP 6	On	Enable port alarm
	Off	Disable port alarm (default)
DIP 7	On	Disable Flow control
	Off	Enable Flow control (default)



### Note:

After adjusting the DIP-switch, please reboot the unit to activate the new settings.

## Support

### 5 Years Warranty

Each of Korenix's product line is designed, produced, and tested with high industrial standard. Korenix warrants that the Product(s) shall be free from defects in materials and workmanship for a period of five (5) years from the date of delivery provided that the Product was properly installed and used.

This warranty is voided if defects, malfunctions or failures of the warranted Product are caused by damage resulting from force measure (such as floods, fire, etc.), other external forces such as power disturbances, over spec power input, or incorrect cabling; or the warranted product is misused, abused, or operated, altered and repaired in an unauthorized or improper way.

**Attention! To avoid system damage caused by sparks, please DO NOT plug in power connector when power is on.**

The product is in compliance with Directive 2002/95/EC and 2011/65/EU of the European Parliament and of the Council of 27 January 2003 on the restriction of the use of certain hazardous substances in electrical and electronics equipment (RoHS Directives & RoHS 2.0)

### Korenix Customer Service

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