



A Beijer Electronics Group Company

JetCon 1302 Series Industrial Media Converter
Quick Installation Guide V1.2

Overview

JetCon 1302 Industrial Media Converter, conforming IEEE 802.3 and 802.3u standard, supports 2 10/100Base TX plus one 100FX Ethernet port. JetCon 1302 adopts slim industrial design to save rail space of compact system requirement. In order to survive under harsh environment, JetCon 1302 chooses industrial-grade aluminum case with IP30 standard protection. It provides one relay output to alarm port break events, which is enabled/ disabled by the dip switch. JetCon 1302 is recommended to be powered by DC24V (18~32V) from the 2-pin terminal block.

Package Check List

- ▶ JetCon 1302 Industrial Media Converter
- ▶ Quick Installation Guide



Installation

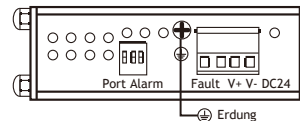
Mount the unit

Din-Rail mount: Mount the din-rail clip screwed on the rear of JetCon 1302 on the DIN rail



Grounding JetCon 1302

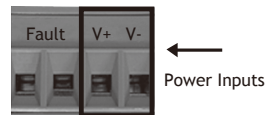
There is one grounding screw on the bottom side of JetCon1302. Connect the frame grounding of JetCon1302 to the grounding surface to ensure safety and prevent noise.



Wiring the Power Inputs

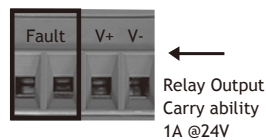
1. Insert the positive and negative wires into the V+ and V- contact on the terminal block connector.
2. Tighten the wire-clamp screws to prevent the DC wires from being loosened.

Notes: The recommended working voltage is DC24V (DC18~ 32 V).



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 of Port Alarm to "ON", relay output alarm will detect any port failures, and form a short circuit. The alarm relay output is "Normal Open".

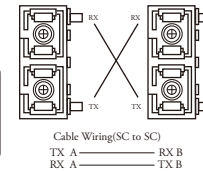


Connecting to Network

1. Connecting the Ethernet Ports: Connect one end of an Ethernet cable into the UTP port of JetCon 1302, 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: Connect the fiber port on your JetCon 1302 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 look into the Laser/LED Beam.



DIP Switch Settings for Alarm Relay Output

Pin No. #	Status	Description	Alarm Switch
P1 to P3 (Pin1 ~3)	ON	To enable port break alarm at this port.	
	Off	To disable port break alarm at this port.	

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).

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引言

JetCon 1302 工业级信号转换器，符合IEEE 802.3 和IEEE 802.3u标准，提供2个10/100Base TX 和1个100FX界面。JetCon 1302 采用小巧的工业级外形设计，可以免除系统安装空间狭小的顾虑。为了适应工业现场恶劣的作业环境，JetCon 1302 密闭的铝制外壳符合IP30工业防护标准。它还提供端口断线继电器报警输出功能，透过前面板的DIP拨码开关，启动或关闭报警系统。JetCon 1302 建议供电范围：透过 2-pin terminal block 为设备供给 DC24V (18-32V)。

产品清单

- ▶ JetCon 1302工业信号转换器
- ▶ 快速安装向导



安装

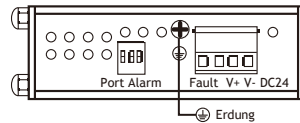
安装配件

导轨安装: 将JetCon 1302后面的导轨夹卡上导轨



JetCon 1302设备接地

在JetCon1302底部有一个地线连接螺丝。将JetCon1302地线螺丝接地，可以确保设备使用安全，并可防干扰。设备未接地，因自然因素造成损害，将不予以修复。



电源连接

1. 将电源线正负极插入产品底部接线端子的V+和V- 接脚。

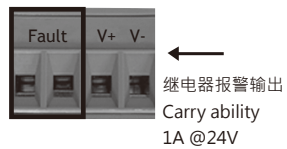
2. 将线夹拧紧，防止DC电源线脱落。

备注: 建议供电范围：DC24V (DC18-32V)。



继电器报警连接

继电器输出触点在产品底部接线端子的中间，如右图所示。使用该界面连接报警系统，并将DIP拨码开关置"ON"，继电器报警输出系统就可以监视任意端口的断线情况，一旦发现断线，自动形成一个闭合回路。正常情况下报警系统是开路。



网络连接

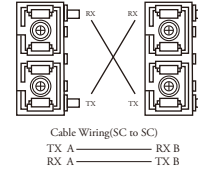
1. **连接以太口:** 双绞线的一端连接JetCon 1302 UTP口，另一端连接网络设备。所有UTP口自适应MDI/MDIX，10M连接时LNK / ACT指示灯显示黄色，100M连接时指示灯显示绿色。

2. **连接光口:** 光纤线一端连接JetCon 1302光口，另一端连设备，如图所示连接模式。错误的连接会导致光口不能正常工作。

ATTENTION



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



Cable Wiring(SC to SC)
TX A ----- RX B
RX A ----- TX B

DIP拨码开关设置继电器报警

Pin No. #	状态	描述	Alarm Switch
P1 to P3 (Pin1 ~3)	ON	启动该端口断线报警	
	Off	关闭该端口断线报警	

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注意! 请勿于电源开启时插拔接线端子，以避免产生火花造成系统损坏。

此产品保证完全符合欧盟2003年1月27日电气和电子设备有害物质限制委员会所提出的限用指令2002/95/EC(ROHS禁令)及2011/65/EU(RoHS 2.0)。

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Patent No. (Taiwan):
Granted Invention: I 313547
Granted Invention: I 321415
Granted Invention: I 344766
Granted Invention: I 346480
Granted Invention: I 356616
Granted Invention: I 364684
Granted Invention: I 376118
Granted Invention: I 393317
Granted Invention: I 398066
Granted Invention: I 398125
Granted Invention: I 459757
Utility Model: M 339841
Utility Model: M 339840