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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 3701G. It covers procedures to assist you in avoiding unforeseen problems.

Introduction

JetCon 3701G is an Ethernet to fiber optic media converter. It conforms IEEE802.3 10Base-T, IEEE802.3u 100Base-TX, and IEEE 802.3ab 1000Base-T supports RJ-45 copper to Gigabit fiber conversion. JetCon3701G are classified as power source equipment (PSE), providing 15.4/30 watts to powered devices(PD). It could be used to power IEEE 802.3af/at compliant powered devices (PD). The JetCon 3701G adopts rugged metal case design to operate in harsh environment (-40~75°C). It also IP-31 standard protection. It features link loss forwarding raise an alarm when a remote fault occurs and also adopts one relay output to alarm users if a port link or power fails. Alarm can be enable/disable by dip switch. The fiber port supports SFP sockets for several of SFP transceiver to achieve different link distance.

JetCon 3701G recommend working voltage is DC 48V. (Input range: DC10~60 V)

Package Check List

- JetCon 3701G Industrial Media Converter
- Quick Installation Guide

Installation

Mount the unit

Din-Rail mount: Mount the din-rail clip on the rear of JetCon 3701G V2 on the DIN rail. For information about the DIN Rail installation, please refer to user's manual.

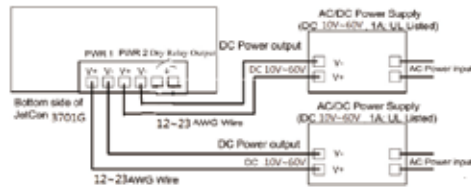
Grounding JetCon 3701G

There is one grounding screw on the bottom side of JetCon 3701G. Connect the frame grounding of JetCon 3701G 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.

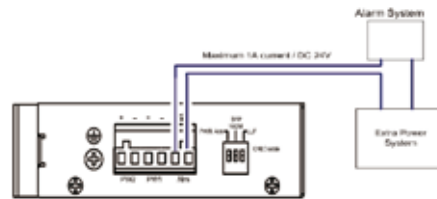


Wiring the Relay Output

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.

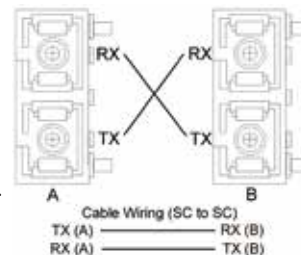
Note:

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 Gigabit PoE port:** The port supports IEEE 802.3at PoE standard, and offer 2 event PoE behavior. Thus, the PoE port can offer 15W/30W power, and system offer 60W with DC12V input under 70C one end of an Ethernet cable into the UTP port of JetCon 3701G , 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. **Install Gigabit SFP transceiver and make the connection:** Connect the fiber port on your JetCon 3701G to another Gigabit Fiber Ethernet device, by following the figures below. Wrong connection will cause the fiber port not working properly. The SFP Fiber port supports 2 LEDs for link/activity and full duplex/collision, once the gigabit fiber port is in up, the link LED will be trigger to "ON"



Attention:

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

DIP Switch Setting

Dipswitch	Functionality
Switch 1	On: Enable power event alarm
	Off: Disable.
Switch #2	On: SFP speed at 100Mbps
	Off: SFP speed at 1000Mbps
Switch #3	On: Enable LLF function
	Off: Disable.

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 thatthe Product(s) shall be free from defects in materials and workmanship for a period offive (5) years from the date of delivery provided thatthe Product was properly installed and used.

This is warranty is voided if defects, malfunctions or failures ofthe 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 productis misused, a bused, 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 productis in compliance with Directive 2002/95/EC and 2011/65/EU ofthe European Parliament and ofthe Council of 27 January 2003 on the restriction ofthe use of certain hazardous substances in electrical and electronics equipment (RoHS Directives & RoHS 2.0)

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关于快速安装指南

本“快速安装指南”旨在指导专业安装人员安装和配置JetCon 3701G V2。它涵盖了帮助您避免意外问题的程序。

常规

警告: 此符号表示您必须遵守的警告

注意: 此符号表示您必须注意的重要注意事项。

介绍

JetCon 3701G 是单端口快速以太网到光纤介质转换器符合 802.1af/at JetCon 3701G具有冗余电源输入，具有宽范围 DC10~60V。JetCon 3701G的光纤端口也支持单模或多模，最高高达30KM的延长距离传输。

打开包装，检查下列配件

- JetCon 3701G工业媒体转换器*1
- 快速安装指南*1

安装

Din-Rail支架：

将JetCon 3701G背面的Din-rail夹子安装在DIN导轨。有关DIN导轨安装的信息请参考用户手册。

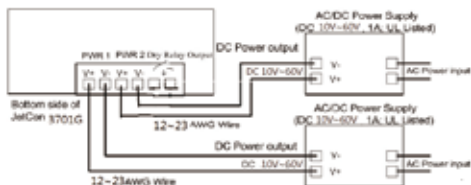
JetCon 3701G 接地:

JetCon 3701G底部有一个接地螺丝。将JetCon 3701G连接框架接地以保证安全，防止噪音用于通信干扰。



输入电源接线:

- 1.将正极和负极线插入端子块连接器上的V+和V-触点。(如上图)
- 2.拧紧电线夹螺钉，防止电源线松动。



注意:

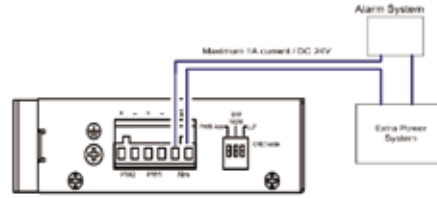
推荐的输入电压为DC 48V。(可输入范围：DC10~60V)

接线输出

继电器输出触点位于连接器端子中间，如下所示。透过将警报功能的DIP开关插入到“ON”，继电器输出报警将检测端口或电源故障，并形成短路。有关更多信息，请参阅手册章节了解更多详细信息。

注意:

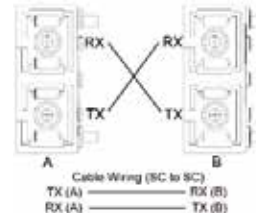
继电器触点仅支持 1A电流，DC 24V。不建议使用超过本规范的更高的电压和电流。



连接到网络

1. 连接以太网端口：将以太网电缆的一端连接到JetCon 3701G的UTP端口，另一端连接到所连接的网络设备。UTP端口支持自动MDI/ MDIX功能。LNK / ACT LED将亮起并闪烁，表示RJ-45端口链路和从RJ-45接收和发送的数据包。

2. 连接光纤端口：将JetCon 3701G上的光纤端口连接到另一个光纤以太网设备，如图所示。连接错误或光缆类型会导致光纤端口工作不正常。



注意:

1. 这是1类激光/ LED产品。不要盯着激光/ LED 光束。

DIP拨码开关设定

Dipswitch	描述
Switch #1	On: 启动电源报警
	Off: 关闭电源报警
Switch #2	On: SFP 速度设定为 100Mbps
	Off: SFP 速度设定为 1000Mbps
Switch #3	On: 启动 Link Loose Forwarding 功能 LLF
	Off: 关闭 Link Loose Forwarding 功能

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注意! 请勿于电源开启时插拔接线端子，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限用指令2002/95/EC (RoHS)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