



A Beijer Electronics Group Company

JetNet 3008/3008f Series Industrial Ethernet Switch Quick Installation Guide V1.5

Overview

JetNet 3008/3008f Industrial Ethernet Switch, supports 8 10/100Base TX (JetNet 3008) or 6 10/100TX plus two 100FX Fast Ethernet fiber ports in either multi-mode type (JetNet 3008f-m) or single-mode type (JetNet 3008f-s). The JetNet3008/3008f adopts rugged metal case design to operate in harsh environments (-40~75°C JetNet 3008-w/3008f-w); It also provides IP-30 standard protection. It features one relay output to alarm users if a port link fails or with the power fails. Alarms can be enabled/disabled by a 9-pin dip switch. JetNet 3008/3008f is recommended to be powered by DC 12V or 24V with 10~60V range from the 6-pin removable terminal block.

Package Check List

- ▶ JetNet 3008/3008f Switch
- ▶ Quick Installation Guide



Installation

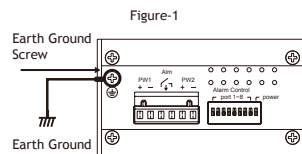
Mount the unit

Din-Rail mount: Mount the din-rail clip screwed on the rear of JetNet 3008/3008f on the DIN rail.



Grounding JetNet Switch

There is one grounding screw on the bottom side of JetNet 3008/3008f. Connect the earth ground screw of switch to the grounding surface to ensure safety and prevent noise. See, Figure-1

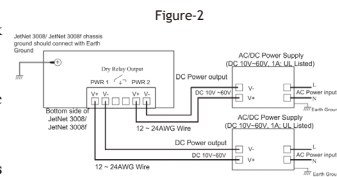


Warning: Do not connect to AC line-Natural

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. See Figure-2



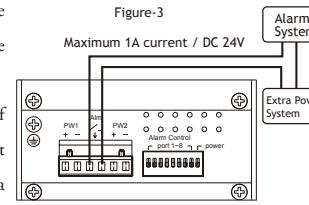
Notes: The recommended working voltage is DC 12V or 24V (DC10~60V, 0.8A).

Wiring the Relay Output

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

By inserting the wires and set the DIP switch of the respective Port Alarm to "ON", relay output alarm will detect any port failures, and form a short circuit.

The alarm relay output is "Normal Open". See, Figure -3.

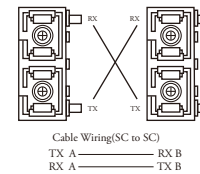


Connecting to Network

1. Connecting the Ethernet Ports: Connect one end of an Ethernet cable into the UTP port of JetNet 3008/3008f, while the other end is connected to the attached networking device. All UTP ports support auto MDI/MDIX function. The Speed LED will turn on for 100M link and turn off for 10Mbps link, the LNK/ACT LED will turn on for link up and blinking for packet transmit and receive. The fiber port only support 1 LED for Link and Activity.

2. Connecting the Fiber Port (JetNet 3008f) : Connect the fiber port on your JetNet 3008f 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
P1 to P8 (Pin1-8)	ON	To enable port link down alarm at this port
	Off	To disable port link down alarm at this port
P9	ON	To enable power failure alarm
	Off	To disable power failure alarm

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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导言

JetNet 3008/3008f 工业以太网交换机，支持8个10/100Base TX端口(JetNet 3008)或6个10/100TX端口加2个100FX 快速以太网光口，并提供多模光口型号(JetNet 3008F-m)和单模光口型号(JetNet 3008F-s)可选。JetNet 3008/3008f 交换机采用坚固的铝合金外壳结构设计，能够在恶劣的工业环境(-40~75°C, JetNet 3008-w/3008F-w)稳定工作，符合IP31工业防护标准。它还支持一路继电器报警输出，可针对断线/断电状态提供现场报警服务。此继电器报警功能可通过交换机前面板的Dip拨码开关启动或关闭。JetNet 3008/3008f 在机身底部装有可拆卸电源接线槽，其输入电源范围是10~60V，建议采用稳定的DC 12V或 24V为设备供电。

产品清单

- ▶ JetNet 3008/3008f 交换机
- ▶ 快速安装向导



安装

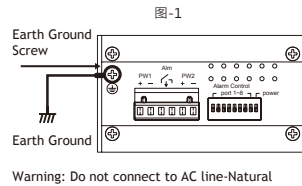
安装配件

导轨安装：用螺丝将导轨夹固定在JetNet 3008/3008f 机身背面，然后将导轨夹卡上导轨。



地线连接

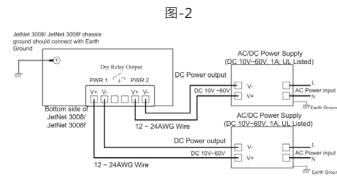
在JetNet 3008/3008f机身底部有一个地线连接螺丝。将交换机的地线螺丝接地，可确保设备使用安全，抗杂讯干扰。未进行设备接地，导致之功能损害，将不列入质保范围，维修将另行收费。参看图-1



电源连接

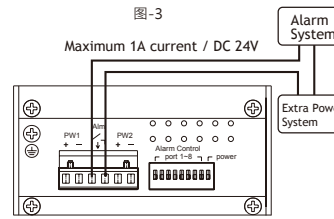
1. 将电源的正负极导线分别插入机身底部电源接线槽的V+ 和V- 接脚。
2. 将线夹拧紧，防止DC电源线因振动脱落。参看图-2

备注: 电压范围(DC10~60V, 0.8A)，建议电压DC 12V或24V。



继电器报警输出连线

继电器报警输出连接点是电源接线槽的中间的一对接脚，如图中所示位置。连接导线，并将对应端口的DIP拨码开关置“ON”，继电器报警功能便可以检测到端口断连，并形成电源回路。正常情况下，继电器报警线路是开路状态。参看图-3。

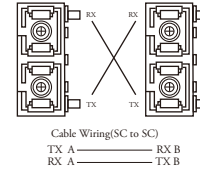


网线连接

1. 以太网连接：将UTP双绞线的一端连接JetNet 3008/3008f以太网电口，另一端连接到需接入的网络设备。所有UTP端口支持自适应MDI/MDIX。当为100M连线时，速率LED指示灯会亮起，当为10M连线时，指示灯会熄灭。LNK/ACT LED指示灯亮起表示端口已经连线，信号灯闪烁表示该端口正在收发数据。光口LED指示灯只有一个，显示连线状态和活动状态。

2. 光口连接(JetNet 3008f)：将光纤线一端连接JetNet 3008f 光口，另一端连接需接入的光口设备，如下图所示。

错误的连线会导致光口无法工作。



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

DIP 拨码开关设定

Pin No. #	状态	描述
P1 to P8 (Pin1-8)	ON	启动该端口的断线报警功能
	Off	关闭该端口的断线报警功能
P9	ON	启动断电报警功能
	Off	关闭断电报警功能

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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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 Granted Invention: I 376118
 Granted Invention: I 393317
 Granted Invention: I 398066
 Granted Invention: I 398125
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 Utility Model: M 339840