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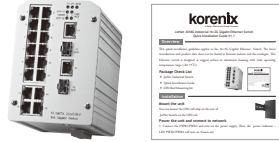
JetNet 3018G Industrial 16+2G Gigabit Ethernet Switch
Quick Installation Guide V1.1

Overview

This quick installation guideline applies to the 16+2G Gigabit Ethernet Switch. The latest introduction and product data sheet can be found in Korenix website and the catalogue. This Ethernet switch is designed as rugged surface in aluminum housing with wide operating temperature range (-40~75°C).

Package Check List

- ▶ JetNet Industrial Switch
- ▶ Quick Installation Guide
- ▶ DIN Rail Mounting kit



Installation

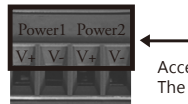
Mount the unit

You can mount the DIN-rail chip on the rear of JetNet Switch on the DIN rail.



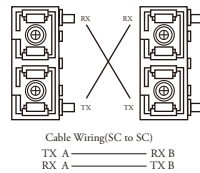
Power the unit and connect to network

1. Connect the PWR1/PWR2 and turn on the power supply. Then, the power indicator – LED PWR1/PWR2 will turn on (Green on).



Accept 12-24 AWG wire.
The switch provides polarity reverse protection.

2. Connect the 10/100M Ethernet Port: Connect the network node to the switch with 4-pair CAT5e UTP cable. The Fast Ethernet interface support auto MDI/MDIX.
3. Connect the Gigabit TX of combo ports: Connect the network node to Switch with 4-pair CAT5e UTP cable. The Gigabit TX interface support auto MDI/MDIX as well.
4. Connects the SFP transceiver: Plug in SFP fiber transceiver. It is recommended to use Korenix certified SFP mini GBIC transceiver. Cross-connect the transmit channel at each end to receive channel at the opposite side end as illustrate in the figure below.



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

5. If you need to connect the Relay Output, please refer to the wiring method introduction in the manual.

Relay Output

JetNet Switch can go through the dry relay output with DC 24V/1A current forwarding ability for Gigabit port and power event alarm. It can be enabled by 4-pin DIP- Switch, and the default is off.



DIP-Switch #1: Flow Control for system (On: Enable / Off: Disable)

DIP-Switch #2: Broadcast Storm Control (On: Enable / Off: Disable)

DIP-Switch #3: Enable DO1 for power event monitoring
(On: Enable / Off: Disable)

DIP-Switch #4: Enable DO2 for Gigabit uplink event monitoring
(On: Enable / Off: Disable)

Note: DO 1 monitors power 1 and power 2.

DO 2 monitors Gigabit port 17 and port 18 (RJ-45/SFP).

Note: please do NOT use DIP-Switch#3 to enable DO 1 when applying negative power.

It may cause DO 1 malfunction.

LED Indication

Pin No. #	Description
Power 1,2	Green On: Power is applying
Alarm	Red On: Event occurred, relay alarm output conductors short.
Fast Ethernet (# 1-#16)	Green On (Link): Ethernet port link up Green Blinking (Activity): Port is transmitting and receiving the data Amber On (Full Duplex): Port link in full duplex mode Amber Off (Half Duplex): Port link in half duplex mode
Gigabit Ethernet (RJ-45/SFP) (#17,#18)	Green On (Link): Ethernet port link up Green Blinking (Activity): Port is transmitting and receiving the data Amber On: Port link in 1000Mbps speed mode Amber Off and Green Blinking: Port link in 100Mbps or 10Mbps speed mode.

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

此快速安装向导适用于16+2G千兆以太网交换机。您可以在Korenix网站及产品型录上看到最新的简介及产品的Datasheet。JetNet系列采用坚固的铝合金外壳设计，支持宽温工作环境 (-40-75°C)。

产品清单

- ▶ JetNet以太网交换机
- ▶ 快速安装向导
- ▶ 轨安装配件



安装

安装配件

用交换机背后的导轨夹将设备卡上导轨。



为设备供电，连接网路线

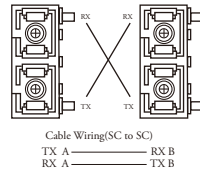
1. 将电源连接到PWR1/PWR2电源输入接口，设备通电启动，当PWR1 /PWR2 LED指示灯为绿色时，表示设备供电正常。



支持12-24AWG电源
交换机支持正负极反接保护

2. 连接10/100 Base-TX端口: 用4-pair CAT5e UTP双绞线将网路各节点接入交换机，10/100M端口自适应MDI/MDIX。
3. 连接千兆电口: 用4-pair CAT5e UTP双绞线将网路各节点接入交换机，千兆电口自适应MDI/MDIX。

4. 连接SFP光口: 插入SFP光纤收发器模块推荐使用经Korenix测试认证的SFP mini GBIC光纤收发器模块，如下图所示，将发送端连接到目的设备的接收端，进行交叉互联。



ATTENTION



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

5. 如果您需要连接继电器报警，请参考用户手册中的配线说明。
6. 将交换机的地线螺丝接地，可确保设备使用安全，抗噪声干扰。如设备未接地，因自然因素造成的损坏，将不予以修复。

报警功能

JetNet 3018G 具备报警输出功能，可承载DC24V/1A 外部负载，报警输出控制透过指拨开关选择侦测-千兆端口或电源端口异常现象。报警功能预设为关闭。



开关 #1: 流量控制 (On: 开 / Off: 关)

开关 #2: 广播风暴控制 (On: 开 / Off: 关)

开关 #3: 开启后会启动DO1对电源告警时的监控 (On: 开 / Off: 关)

开关 #4: 开启后会启动DO2对千兆端口告警时的监控 (On: 开 / Off: 关)

Note: DO1监控Power 1和Power 2

DO2监控17和18千兆口(光/电)

Note: 请不要在负电源系统下使用开关#3开启DO1，会导致DO 1功能异常

灯号指示

灯号位置	描述
Power 1,2	绿色指示灯 恒亮: 电源开启
Alarm	红色指示灯 恒亮: 事件发生后，继电器报警输出短路
百兆电口 (# 1-#16)	绿色指示灯 恒亮(连线): 电口连线 绿色指示灯 闪烁(收发): 电口正在传输与接收资料 橙色指示灯 恒亮(全双工): 电口以全双工模式运作 橙色指示灯 灭(半双工): 电口以半双工模式运作
千兆口 (RJ-45/SFP) (#17,#18)	绿色指示灯 恒亮(连线): 千兆电口连线 绿色指示灯 闪烁(收发): 光口正在传输与接收资料 橙色指示灯 恒亮: 电口正以1000Mbps模式连接 橙色指示灯 灭, 绿色指示 恒亮: 电口正以100Mbps或 10 Mbps模式连接

客户服务

5年质保

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然而，自然外力(火、水、雷灾)所造成的产品故障，或其它外部因素如电源干扰、不当电源输入、不当接线等造成的损坏，不列入产品保固范围；此外，产品被误用、未经授权的修理及修改等行为将造成保固条款失效。

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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详细说明及文件请至网站下载: http://www.korenix.com.cn/support_downloads.htm

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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