



A Beijer Electronics Group Company

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.



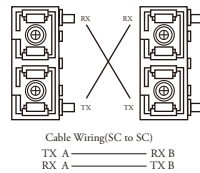
Power the unit and connect to network

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)

Korenix Customer Service

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