JetNet 6059G Series

Industrial 9-port Gigabit Managed Ethernet Switch

Quick Installation Guide

V1.0

www.korenix.com

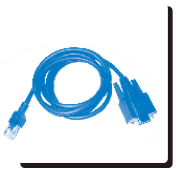
Introduction

JetNet 6059G series is an Industrial Gigabit Managed Ethernet Switch with 9 full gigabit ports and 32G switching backplane to ensure high quality data transmission in industrial applications requiring high-bandwidth connectivity. In addition to 4 Giga RJ-45 ports, the switch is equipped with 5 Giga RJ-45/SFP combo ports to deliver maximum throughput and flexibility for high-density connection while providing Giga uplink or Giga Ring connection. With the Korenix patented MSR technology, users can aggregate up to 4 Multi Gigabit Rings into a single switch and ensure network reliability in applications with increased bandwidth and expended system. Furthermore, JetNet 6059G supports advanced management and security features, such as LLDP and JetViewPro, 4 Priority queues per port, 256 VLANs, IGMP Snooping, DHCP, LACP to ensure high performance network communication. JetNet 6059G is compliant with NEMA -TS2 /Maritime, Railway standards and has dual redundant 10.5~60VDC power inputs and -40~75°C wide operating temperature range to work reliably under vibrating and shock environments in Maritime, Railway or rolling stock applications.

Package Checklist

Unpack the box, you will find

- JetNet 6059G with DIN Rail kit x1
- Quick Installation Guide
- CD User Manual
- Console Cable (RJ-45 /DB9)
- Wall Mount kits



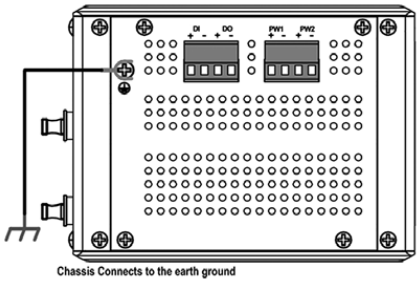

Mounting the Unit

Din-Rail mount: Mount the din-rail clip on the rear of JetNet 6059G on the DIN rail.

For information about the DIN Rail installation, please refer to user's manual.

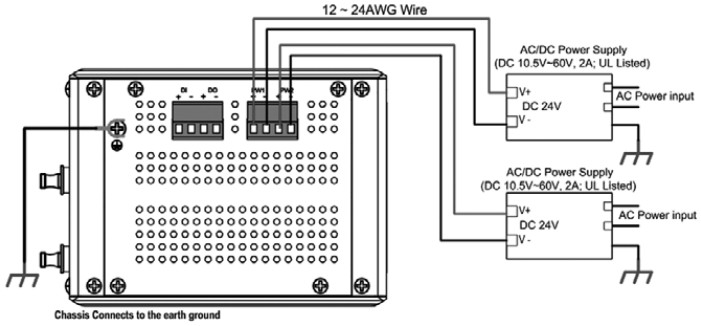
Grounding JetNet 6059G

There is one grounding screw on the bottom side of JetNet 6059G. Connect the frame grounding of JetNet 6059G to the grounding surface to ensure safety and prevent noise to interfere communication.



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 from being loosened.

Notes: The recommended working voltage is DC 24V (Input range: DC10.5~ 60 V), maximum power consumption is 20 Watts.

Wiring the Relay Output (DO)

The relay output contacts are in the bottom side as shown on Figure-3. The relay output (DO) is controlled by the pre-defined operating rules. To activate relay output function, please refer to the User's Manual for the Relay Output information.

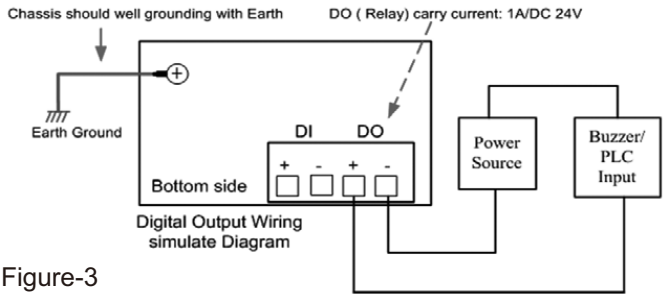


Figure-3

Note: The relay contact only supports 1A current, DC 24V. It is not recommended to apply voltage and current higher than the specifications.

Wiring the Digital Input (DI)

The Digital Input (D.I.) contacts are in the bottom side of the device as shown in Figure-4. It accepts one external DC type signal input and can be configured to send alert message through Ethernet when the signal is changed.

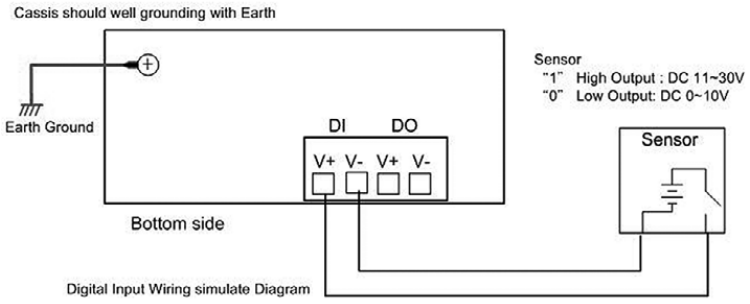


Figure-4

Note: the DI accepts DC type signal and supports isolated input circuit with Digital High Level input DC 11V~30V and Digital Low Level input DC 0V~10V. Don't apply higher voltage than the specification; it may cause internal circuit damage or a wrong action of DI.

Connecting to Network

1. Connecting the Ethernet Port: Connect the Ethernet port of JetNet 6059G with the other Ethernet device by Cat-5/Cat-6 UTP or STP cable, and then the LNK/ACT LED will turn on and start flashing to indicate the communication is occurred between 2 devices.

2. Connecting the SFP Port: Plug in SFP fiber transceiver. We recommend using Korenix certificated SFP mini GBIC transceiver. Cross-connect the transmit channel at each end to the receive channel at the opposite end as illustrated in the Figure-5.

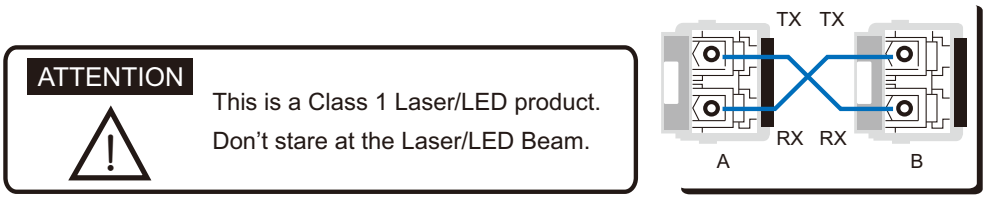


Figure-5

Device Management

JetNet 6059G Industrial Managed Switch provides both in-band and out-band configuration methods. You can configure the switch via the RS232 console with the attached console cable. Or you can remotely manage the switch via network. You can choose Telnet/SSH, Web/HTTPS management.

1. Preparation for console management: Attach the RS-232 DB9 connector to your PC's COM port. Connect the RJ-45 connector to the console port of the JetNet 6059G

Go to Start -> Program -> Accessories -> Communication -> Hyper Terminal

Give a name to the new console connection.

Choose the COM name and select the correct serial settings. The serial port settings of JetNet 6059G are as below: 9600bps, No parity check, 8 Data bits, 1 stop bit

After connected, you will see the Switch login request. Type the username and password then you can login. The default username is "admin", password is "admin".

Follow the manual to configure the software features.

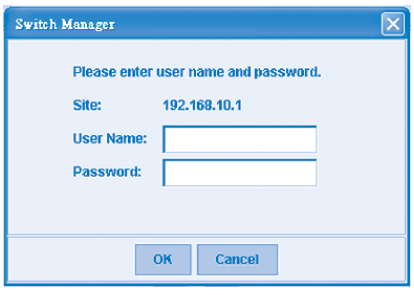
2. Preparation for Web management: Before you attempt to use the embedded web interface to manage switch operation, verify that JetNet 6059G is properly installed on your network and that every PC on this network can access the switch via the web browser.

Launch the web browser (Internet Explorer or Mozilla Firefox) on the PC.

Type http://6059G_IP_Address (The default IP address is 192.168.10.1.) then press Enter.

The login screen will appear next.

Type in the user name and password and click "OK" button. The welcome page of the Web-Based management interface will appear then. The default user name and password is admin/admin



At the left column of the web management interface are the software features, where ring column will list the available settings.

For more operating instructions, please refer to the User's manual of JetNet 6059G included in the packing or downloadable from the Korenix Website – www.korenix.com.

Korenix Customer Service

KoreCARE is Korenix Technology's global service center, where our professional staffs are ready to answer your questions at any time.

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