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A Beijer Electronics Group Company

JetNet 7852G-4XG 48G+4 x 10G SFP+ Industrial Gigabit Layer 3 Routing Server Switch Quick Installation Guide V1.0

Overview

The JetNet 7852G-4XG is a 19-inch Gigabit Layer 3 Routing Server Switch, equipped with 48 10/100/1000 Base-TX ports including 4 x 1/10GbE dual speed SFP+ ports delivering maximum throughput and flexibility for high-density and ultra-high-speed connection and feature a design with -10-55°C wide operating temperature for severe industrial applications.

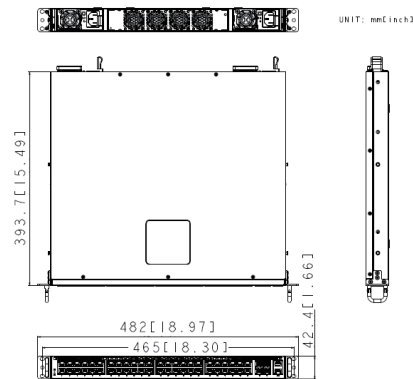
Model Name	Description
JetNet 7852G-4XG-2AC	48 100/1000TX, 4 10G SFP+ ports, Ind. L3 Routing Server Switch, -10-55°C, dual AC power (hot swappable)

Package Check List

- ▶ The Rack Mount Managed Ethernet Switch
- ▶ Console cable
- ▶ Rack Mount kit
- ▶ 2 x Power Cord
- ▶ QIG

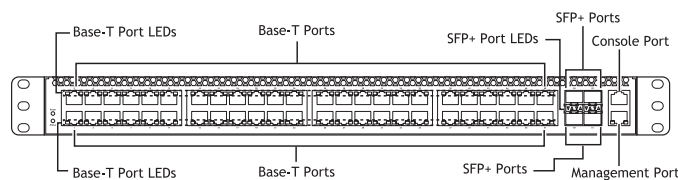
Interface Introduction

1. Dimension: The JetNet 7852G-4XG Industrial Gigabit Layer 3 Managed Switch dimension (H x W x D) is 42.4mm x 435mm x 393.7mm.



2. Front-Panel Components: The front panel of the Switch consists of 48 Gigabit interfaces, 4 x 10G ports (JetNet 7852G-4XG), 1 built-in 1000/100/10 RJ-45 Ethernet service ports, an RJ-45 based RS-232 communication port.

JetNet 7852G-4XG 48 10/100/1000BASE-T with 4 SFP+ 10G interfaces

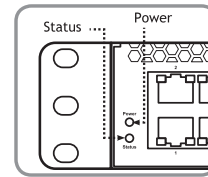


3. LED Indicators

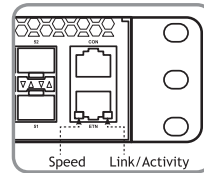
System LED

The Status LED indicator represents status of the switch. The Power LED indicator represents power ON or OFF.

LED	Color	Function
Status	Orange	System OS is ready
Power	Green	All DC power is ready

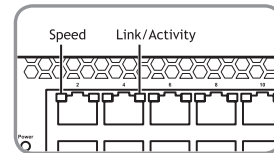


Management Port LED



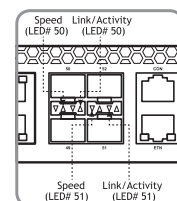
LED	Color	Function
Speed	Orange	A valid 1000Mbps network link is established
	Green	A valid 100Mbps network link is established
	Off	A valid 10Mbps network link is established
Link/Activity	Green	A valid network link is established
	Green Blink	Network transmission and receiving packet in progress
	Off	No network activity or port is disabled

Port LED



LED	Color	Function
Speed	Orange	A valid 1000Mbps network link is established
	Green	A valid 100Mbps network link is established
	Off	A valid 10Mbps network link is established
Link/Activity	Green	A valid network link is established
	Green Blink	Network transmission and receiving packet in progress
	Off	No network activity or port is disabled

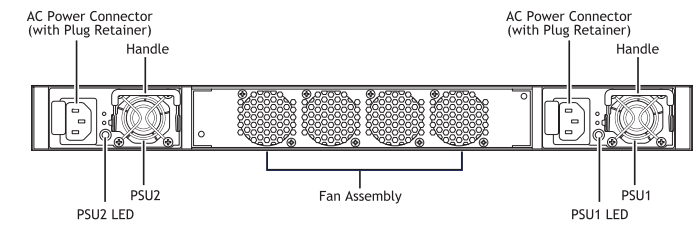
10GbE SFP+ Port LEDs



LED	Color	Function
Speed	Green	A valid link is established on the port
	Off	Port is disabled
	Green	A valid network link is established
Link/Activity	Green Blink	Network transmission and receiving packet in progress
	Off	No network activity

4. Rear Panel Description

The following figure shows the rear panel of the switch.



Power Supply LEDs

LED	Color	Function
Power Supply	Green	Power connection works normally
	Orange	Possible issues: - Fan Lock (15 sec) - OTP: Over Temperature Process - OCP: Over Current Process - OVP: Over Voltage Process - UVP: Under Voltage Process

The switch has two Power Supply Units (PSU) and four fan modules. The AC power connector is a standard three-pronged connector. The switch automatically adjusts its power setting to any supply voltage in the range from 100-240 VAC at 50-60 Hz. When the PSU is connected to the power source, the PSU LED lights green.

Installation

Mount the Switch to 19" rack

1. Attach the brackets to the device by using the screws provided in the Rack Mount kit.
2. Mount the device in the 19" rack by using four rack-mounting screws provided by the rack manufacturer.
3. When installing multiple switches, mount them in the rack one below the other.



Note: Check if the rack environment temperature conforms to the specified operating temperature range. Do not place any equipment on top of the switch and please properly grounded.



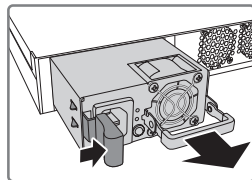
5. Power the unit and connect to network Cable

Wiring Power Inputs

JetNet 7852G-4XG AC Power Input

Connect the attached power cord to the AC power input connector, the available AC power input is range from 100 - 240 VAC at 50 - 60 Hz.

Remove the Power Supply Unit



1. Disconnect the AC power cord of the PSU that you want to remove.
2. Press the plug retainer and pull by the handle to slide the PSU away from the chassis.
3. Take note of the part number of the removed PSU.

Replace the Power Supply Unit

1. Make sure that the part number of the new PSU is the same as the part number of the removed PSU.
2. Ensure the PSU orientation is correct and then slide the new PSU into the chassis until it is firmly seated.
3. Connect the AC power cord to power on the switch

Device Management

The system may be managed out-of-band through the console port on the rear panel or in-band using Telnet, a Web Browser, or SNMP.

1. Web-based Management Interface

After you have successfully installed the Switch, you can configure the Switch, monitor the LED panel, and display statistics graphically using a Web browser, such as Netscape Navigator (version 6.2 and higher) or Microsoft® Internet Explorer (version 5.0).

The default IP address before configuring is 192.168.10.1. User Name is admin, default password is admin.

After configured the layer 3 virtual interfaces, you can assign primary IP and second IP addresses to the interface, this is known as default gateway of the lower hosts. The lower hosts in each subnet can access the interface by the default gateway IP address.

The default IP address is only available in layer 2 mode, the layer 2 mode means there is no any configured layer 3 virtual interface. After configured the layer 3 virtual interface, the default IP address is changed to the assigned primary/second IP address of the interface.

NOTE: To access the Switch through a Web browser, the computer running the Web browser must have IP-based network access to the Switch. It is not suggested multiple user's access to the web browser. The performance of web display would be affected.

Warning: Since the lower hosts under the layer 3 interface can access the switch by default gateway IP address. Please remember to change the user name and password in your first login. Otherwise, the users can easily access the management interface and change the settings. It obeys the common security concern.

2. Command Line Console Interface Through the Serial Port or Telnet

You can also connect a computer or terminal to the serial console port or use Telnet to access the Switch. The command-line-driven interface provides complete access to all switch management features. The RS-232 DCE console port is for setting up and managing the Switch via a connection to a console terminal or PC using a terminal emulation program. The default baud rate is 115,200, N, 8, 1.

Support

3 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 three (3) 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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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