

WoMaster

Quick Installation Guide

Industrial Layer 2/3/4 48G+4x10G SFP+ Gigabit Routing Switch RS752

www.womaster.eu

• Overview

RS752 is a high performance 19-inch Gigabit Layer 2/3/4 Routing Ethernet switch equipped with 48 Gigabit ports and 4 10GbE SFP+ ports. Due to supported auto-installation feature, the switch deployment is fast and easy. Network administrators can manage the switch through an industry-standard CLI and configure remotely through SNMP from MIB and private MIB. The RS752 guarantees high availability by hot-swappable design, out-of-band management, VRRP, Link Aggregation, and various redundancy features.

Providing multicast routing, maximum bandwidth, ultra-high speed, and advanced cyber security features, RS752 is an ideal backbone routing switch for large-scale industrial enterprise installations, where transmitting large amounts of data, voice, and high-quality video across networks is crucial.

Model Name	Description
RS752	48 100/1000TX, 4 10G SFP+ ports Ind. Layer 2/3/4 Routing Server Switch, -10-55°C, dual AC power (hot swappable)

• Package Checklist

- 1 x Product Unit
- 2 x Rackmount Ears
- 1 x RS232 Console
- 2 x Power Cord
- 1 x Quick Installation Guide

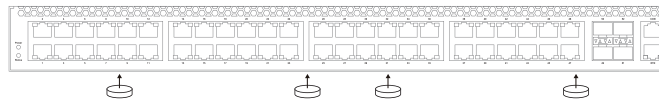
Optional Accessory (for detailed information please refer to the Datasheet):

- 10 Gbps SFP+ Transceiver

• Installation Procedure

Installing without the Rack

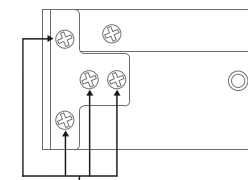
1. Install the device on a level surface that can safely support the weight. The device must have adequate space for ventilation and for accessing cable connectors.
2. Set the device on a flat surface and check for proper ventilation. Allow at least 5 cm (2 inches) on each side of the device and 15 cm (6 inches) at the back for the power cable.
3. Attach the rubber feet on the marked locations on the bottom of the chassis. The rubber feet are recommended to keep the unit from slipping.



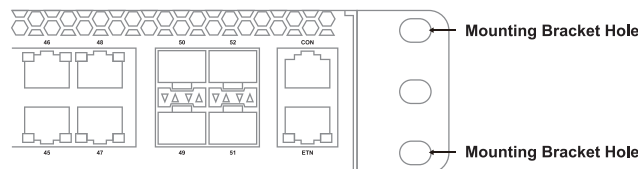
Installing in a Rack

Refer to the illustrations below; user can install the device in most standard 19-inch (48.3-cm) racks.

1. Use the supplied screws to attach a mounting bracket to each side of the device.
2. Align the holes in the mounting bracket with the holes in the rack.
3. Insert and tighten two screws through each of the mounting brackets.

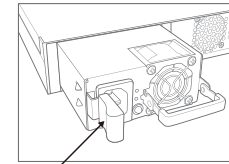


Mounting Ear & Screws



Wiring the Power Input

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



Plug Retainer

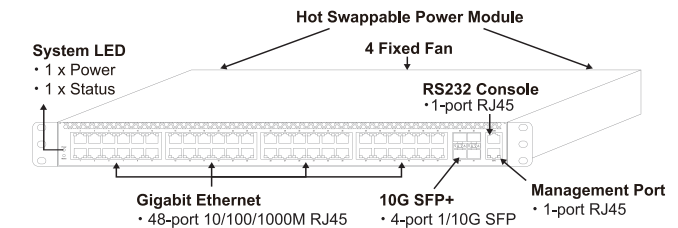
Remove the Power Input

1. Disconnect the AC power of the PSU that 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 Input

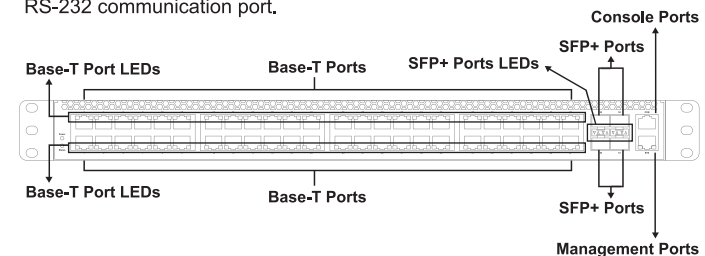
1. Make sure that the part number of the new PSU is the same as the part number of the removed PSU.
2. Ensure the PSU orientation is correct and then slide the new PSU into the chassis.
3. Connect the AC power to the power on the device.

• Appearance



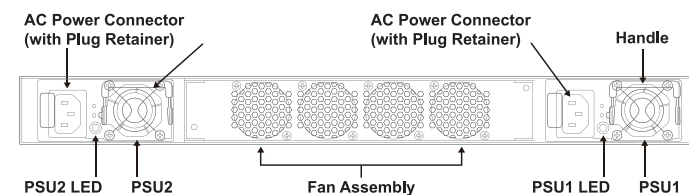
Front Panel Component

The front panel of RS752 consists of 48 Gigabit interfaces, 4x 10G ports, 1 built-in 1000/100/10/RJ-45 Ethernet service ports, and RJ-45 based RS-232 communication port.

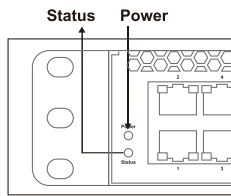


Rear Panel Description

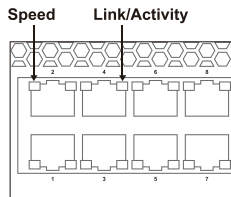
The following figures describe the rear panel.



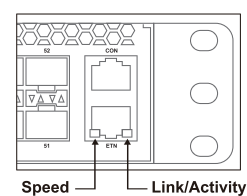
• System LEDs



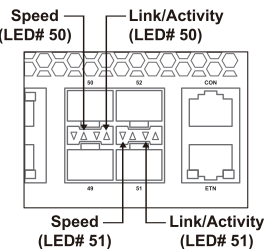
• Port LEDs



• Management Port LEDs



• 10 GB Ethernet + Port LEDs



• LED Indication

LED	Status	Description
PWR	Green On	Power is On
	Off	No Power
System LED	Green On	Ready
	Amber On	Failure
PSU 1/2 (Back) LED	Green On	Normal
	Amber On	Power/Fan Abnormal
Gigabit Ethernet (Port1-48)	Green On	Links established
	Green Blinking	Packets transmitting/receiving
	Amber On	Link Speed 1000M
	Green On	Link Speed 100M
SFP+ Port (Port 49-52)	Green On	Links established
	Green Blinking	Packets transmitting/receiving

• Safety Precautions

- **Restricted Access Location:** The device is intended for installation only in a Server Room or Computer Room where both these conditions apply:
 - access can only be gained by service persons or by users who have been instructed about the reasons for the restrictions applied to the location and about any precautions that shall be taken; and
 - access is through the use of a tool or lock and key, or other means of security, and is controlled by the authority responsible for the location.
- To remove the AC power from the system, unplug each AC power cord from the wall outlet or power supply. The power cord(s) is considered the disconnect device to the main (AC) power. The socket outlet that the system plugs into shall be installed near the equipment and shall be easily accessible.
- Danger of explosion if the battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the equipment manufacturer.
- When replacing a hot-plug power supply, unplug the power cord to the power supply being replaced before removing it from the device.

• Management

RS752 system can be managed out-of-band through the console port on the rear panel or in-band using Telnet, Web Browser, or SNMP.

1. Web-based Management interface.

After successfully installed the device, configuration, monitoring the LED panel, and display the statistics graphically can be done by using a Web Browser.

- Type **http://IP_address** in your browser (the default IP address is **http://192.168.10.1/**)
- Key in the user name and password in login screen. The default user name and password is admin.
- After configured the layer 3 virtual interfaces, user 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 interface, the default IP address is changed to the assigned primary/second IP address of the interface.

Note: To access the device through web based management, the computer must have the IP-based network access to the device.

Warning: Please remember to change the user name and password when first login. Otherwise, the users can easily access and change the settings.

2. CLI Command Interface Through the Serial Port or Telnet.

User can also access the device through Serial Port or use Telnet. The command line driven interface provides complete access to all device management features. The RS-232 console port is for setting up and managing the device via a connection to a console terminal or PC using a terminal emulation program.

Serial Port

Attach RS232 DB9 to PC's COM port. Connect RJ45 with the console port of RS752.

- Start -> Program -> Accessories -> Communication -> Hyper Terminal.
- Give a name to a new console connection.
- Choose the COM name and select correct serial settings: Baud Rate: 115200 / Parity: None / Data Bit: 8 / Stop Bit: 1
- After connected, type the username **admin** and password **admin** to login.
- Follow the User Manual to configure the software features.

Telnet

- Start -> Open Command prompt ->Enter
- Type the Telnet 192.168.10.1 (or the IP address of the device). And then press Enter.
 - **For further feature configurations, please refer to User Manual.**

• Support

At WoMaster, you can use the online service forms to **request the support**. The submitted forms are stored in server for WoMaster team member to assign tasks and monitor the status of your service. Please feel free to write to **help@womaster.eu** if you encounter any problems.

• Warranty

3-year Global warranties are available for WoMaster products assuring our customers that the products shall remain free from defects in workmanship or materials and conform in all material respects to WoMaster specifications, or Purchaser's supplied and accepted specifications. The warranty is limited to the repair and/or replacement, at WoMaster' sole discretion, of the defective product during its warranty period. The customer must obtain a **Return Merchandise Authorization (RMA)** approval code prior to returning the defective Product to WoMaster for service. The customer agrees to prepay shipping charges, to use the original shipping container or equivalent, and to insure the Product or assume the risk of loss or damage in transit. Repaired or replaced products are warranted for ninety (90) days from the date of repair or replacement, or for the remainder of the original product's warranty period, whichever is longer.

• Disclaimer

WoMaster reserves the right to make changes to this QIG or to the product hardware at any time without notice. It is the user's responsibility to determine whether there have been any such updates or amendments herein.

Defects, malfunctions, or failures of the warranted Product(s) caused by damage resulting from unforeseeable incidents (such as lightings, floods, fire, etc.), environmental and atmospheric disturbances, other external forces such as power line disturbances and surge, host computer malfunction and virus, incorrect power input, or incorrect cabling, incorrect grounding and damages caused by misuse, abuse and unauthorized alteration or repair are not warranted.