

Quick Install Guide

XMS-1024

Gigabit Ethernet Smart Switch



Use the XMS-1024 to:

- ▶ Provide Intuitive Network Management and Optimization Capabilities
- ▶ Expand Your Home or Office 10/100/1000 Ethernet Network
- ▶ Future Proof Your Network with Gigabit Speeds (10X Performance of Fast Ethernet)
- ▶ Optimize and Protect Your Network with Advanced VLAN, QoS and Network Security Features

GIGABIT ETHERNET SMART SWITCH

MODEL NUMBER: XMS-1024

Quick Install Guide

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DOCUMENT CONVENTIONS

The following graphical alerts are used in this document to indicate notable situations:



NOTE: Tips, hints, or special requirements that you should take note of.



CAUTION: Care is required. Disregarding a caution can result in data loss or equipment malfunction.



WARNING! Indicates a condition or procedure that could result in personal injury or equipment damage.

CONTACT LUXUL

For sales questions
please contact our
Sales Department

P: (801) 822-5450

E: sales@luxul.com

If you experience any
problems, please contact
Technical Support

P: (801) 822-5450

E: support@luxul.com

To check for firmware updates or download pre-configured application modules, visit luxul.com.

PACKAGE CONTENTS

The following items should be included in the box:

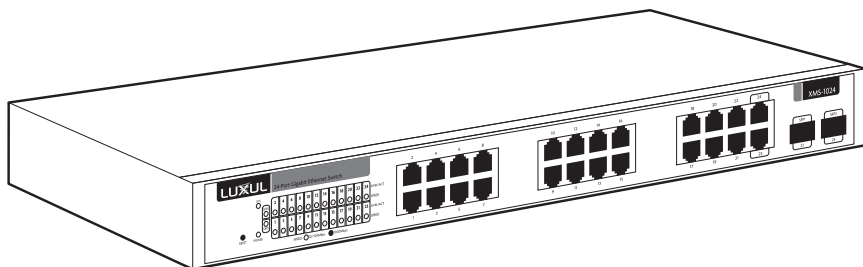
- ▶ XMS-1024 Gigabit Ethernet Smart Switch
- ▶ Power Cord
- ▶ Two L-shaped rack mounting brackets and screws
- ▶ Four rubber pads
- ▶ Quick Installation Guide
- ▶ CD-ROM with User Documentation

If any of the listed items are missing or damaged, please contact the reseller from whom you purchased for return/replacement.

HARDWARE DESCRIPTION

Front Panel

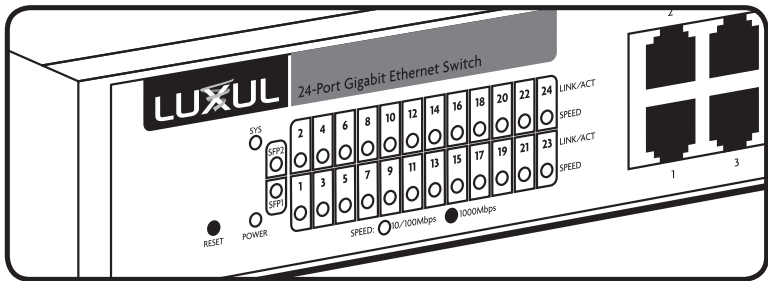
The front panel of the XMS-1024 switch includes 24 1000Mbps RJ45 and 2 SFP expansion ports on the right side and LED indicators on the left side. Each 1000Mbps port has one Link/Activity LED and one 1000Mbps LED, there are also two SFP LEDs, one Power LED, one System LED and a factory reset button.



XMS-1024 Front Panel View

LED Indicators

Each port has one numbered Link/Activity LED and one 1000 Mbps LED. The SFP interface shares the LED indicators with the corresponding Ethernet Port. In addition, there is one System LED and one Power LED, as well as a Reset button to reboot the device or restore factory default settings.



LED Indicators

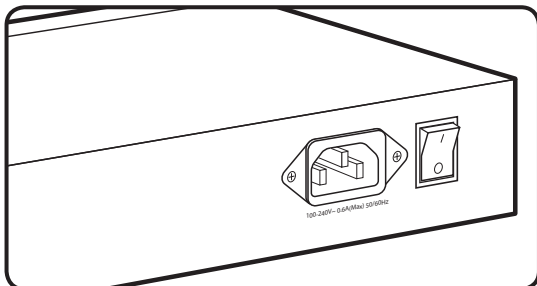
The green LED indicators show the working status of the switch. The following table describes the LED functionality:

Indicator Name	Description	
Power	On	This LED indicates that there is power to the XMS-1024
	Off	If LED is off, check power connections and on/off switch at the back of the unit.
Link/Act	On	The Link/Activity LED of the port will be on if there is a device connected to the port.
	Flashing	The Link/Activity LED flashes when a port is receiving or transmitting data.
	Off	There is nothing connected to the port.
1000 Mbps	On	The 1000 Mbps LED will come on if a device capable of 1000Mbps is connected to the port.
	Off	If a port has no device connected or it is not a 1000 Mbps capable device, the 1000 Mbps LED will be off.
SYS	On	Indicates that the XMS-1024 is running normally.
	Flashing	Indicates that the XMS-1024 is restoring default settings.
	Off	Indicates that the XMS-1024 is in startup and initialization process or is not on.

At startup, port LEDs will flash for 1 second as a self test.

When an SFP optical interface is in use, the 1000 Mbps LED and the Link/Activity LED of the corresponding Ethernet port are both on to indicate the SFP status.

Rear Panel



XMS-1024 Rear Panel View

Power Input: Please use the included power cable

PREPARING FOR INSTALLATION

System Requirements

- ▶ **Ethernet Cables** to connect the XMS-1024 to Ethernet enabled devices
- ▶ **Computer** equipped with a Web browser. Supported Web browser versions include Microsoft IE 6.0 and up, Safari 1.0 and up or Mozilla Firefox 1.0 and up. The Web browser is used to configure the XMS-1024.
- ▶ **Power** must be AC 100-240V- 0.6A(Max) 50/60Hz.

Before Connecting to the Network

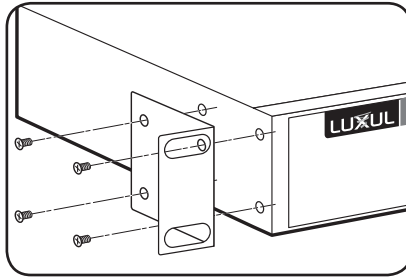
The XMS-1024 can be rack-mounted or used as a desktop switch. Before connecting to the network, please be aware of the following requirements:

- ▶ Install the XMS-1024 in a stable/safe place to avoid any possible damage
- ▶ Make sure there is adequate space around the XMS-1024 for adequate ventilation and proper heat dissipation. It is recommended to have at least 4-6 inches around all sides.
- ▶ Do not place heavy articles on the XMS-1024.
- ▶ Power outlets should be within 5 feet of the XMS-1024.
- ▶ Verify the ground connection of the outlet is functioning properly.
- ▶ Check the power cord to confirm a secure connection.
- ▶ Avoid placement in direct sunlight.
- ▶ When installing the XMS-1024 on a flat surface, attach the rubber feet to the bottom of the device to avoid scratching the surface.

XMS-1024 INSTALLATION

Installing the XMS-1024 in a Rack

The XMS-1024 can easily be installed in a standard 19" rack. The XMS-1024 includes two mounting ears for installing and stabilizing the switch. For attaching the mounting ears and installing the switch within a rack, please refer to the following illustration:

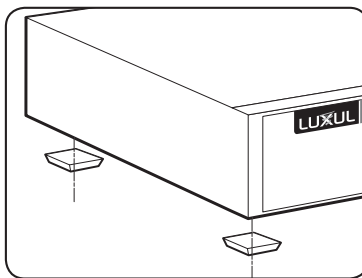


Rack-Mounting the XMS-1024

- ▶ Using the included screws, attach the mounting ears to each side of the switch.
- ▶ Mount the switch in the rack with the LEDs facing outwards. Be sure the switch is level and properly secured within the rack.

Desktop Setup

For use as a desktop device, position and apply the included rubber feet to the bottom of the XMS-1024.



Attaching the Rubber Feet to the XMS-1024

Network Connections:

The XMS-1024 supports 10/100/1000 Mbps Ethernet; 10/100 Mbps half/full-duplex mode and 1000 Mbps full-duplex mode. All RJ-45 ports support Auto MDI/MDIX and can be used as ordinary ports or as Uplink ports. Any RJ-45 port can be

used to connect the XMS-1024 to an Ethernet enabled device (including servers, routers, and other switches) without a crossover cable.

The XMS-1024 offers 2 shared SFP optical module expansion ports. Once the Gigabit SFP optical modules are inserted, these interfaces can support optical fiber cables to extend the Gigabit network up to 49 miles—enabling the network to extend beyond the 300 foot limitation of twisted pair Ethernet.

For the RJ-45 ports, Category-5, super Category-5 or Category-6 unshielded twisted pair (CAT5/CAT5e/CAT6 UTP) should be used. For best results, it is recommended that Category-6 shielded twisted pair be used to ensure stable data transmission at 1000 Mbps.

Optical fiber/cable should be selected based on the wavelength of the SFP optical module to be used.

Make sure only one Uplink channel exists between switches or between the XMS-1024 and a router. Otherwise, loops can occur and result in network failure.

Default IP Address

The XMS-1024 default IP address is 192.168.0.2. This address can be changed. However, for hassle free installation of other XenConnect™ plug and play Luxul devices, it is recommended that the default IP value be maintained.

Login

The XMS-1024 is not equipped with internal DHCP server. However, if your switch is connected to the the XBR-2300 Enterprise Dual-WAN Router, configuration will be automatic. Otherwise, the IP address of the computer for login and configuration will need to be manually configured. The table below lists the default parameters of the XMS-1024.

Parameter:	Default Value
Default IP address:	192.168.0.2
Default user name:	admin
Default password:	admin

Login to the switch with the following steps:

1. Plug an Ethernet cable into any of the ports of the switch
2. Plug the other end into the Ethernet port of your computer
3. Power on the switch

4. Check to see that the IP address of the computer is within this network segment: 192.168.0.xxx (“xxx” ranges 100-254). For example, 192.168.0.100. For IP address settings, refer to Appendix 3.
5. Open the Web browser, and enter 192.168.0.2. The switch login window appears, as shown below.
6. Enter the user name and password (default user name and default password are both set as “admin”), and then click “OK” to login to the switch configuration window.

ADVANCED SETTINGS

For login and advanced settings information see the User Guide on the included CD.

FCC Statement:

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment uses and can radiate radio frequency energy, and if not installed and used in accordance with the instructions may cause harmful interference to radio communications. However; there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- ▶ Reorient or relocate the receiving antenna.
- ▶ Increase the separation between the equipment and receiver.
- ▶ Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- ▶ Consult the dealer or an experienced radio/TV technician for help.

Information on this document supersedes all previous versions.

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Products may be discontinued without notice.