

LUXUL

Simply Connected

Quick Install Guide

AMS-1208P

AV Series 12-Port/8 PoE+ Gigabit Managed Switch



Use the AMS-1208P to:

- ▶ Seamlessly Integrate with AV Rack Systems
- ▶ Connect up to 8 PoE-Enabled Devices (Max Output 130 Watts)
- ▶ Optimize Your Network with VLAN, QoS and PoE Management
- ▶ Enhance Network Performance with Layer 3 Static Routing
- ▶ Simply Plug and Play

Quick Install Guide

Model Number: AMS-1208P

AV Series 12-Port/8 PoE+ Gigabit Managed Switch

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DOCUMENT CONVENTIONS

These 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.

FCC COMPLIANCE

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

CONTACT LUXUL

Sales

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PACKAGE CONTENTS

The following items are included in the box:

- ▶ AMS-1208P AV Series 12-Port/8 PoE+ Gigabit Managed Switch
- ▶ Power Cord
- ▶ Rack Mount Brackets and Screws
- ▶ Four Rubber Foot Pads
- ▶ Quick Installation Guide

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

HARDWARE DESCRIPTION

Front Panel

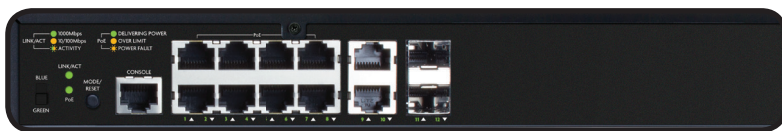
The front panel of the AMS-1208P Switch includes dual colored Link/Activity LEDs that can be switched from green to blue. In addition, the front panel has Link/Activity and PoE mode indicators as well as System and Power LEDs.



AMS-1208P Front Panel View

Rear Panel

The rear panel of the AMS-1208P Switch includes 1 console port, 10 Gigabit RJ45 ports and 2 Gigabit SFP ports, as well as LED indicators for each port. Each port has one Link/Activity/PoE LED. A mode/reset button switches the display between Link/Activity and PoE modes.



AMS-1208P Rear Panel View

Power Input: Please use the included power cable



NOTE: All PoE ports are enabled as PoE+ and low priority and Max power at 30W. This results in a 240W allocation but with the management set to “actual consumption” the PoE units should power up until they hit the 130W power budget limit.

LED Indicators

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

Indicator Name	Description	
Front		
Power	On	This LED indicates that there is power to the AMS-1208P
	Off	If LED is off, check the power connection on the back of the unit.
System	Flashing	Indicates that the AMS-1208P is running normally.
	On	Booting up or indicates a malfunction. Contact technical support.
	Off	Indicates that the AMS-1208P is in startup and initialization process or is not on.
Link Act/ PoE Mode	Link Activity	Port LED's display Speed status
	PoE	Port LED's display PoE status
The rear panel mode LEDs for Link Act/PoE mode are the same as the front		
Rear		
Speed/ Link/Act	Green	The Link/Activity LED of the port will be on if there is a 1000Mbps device connected to the port.
	Amber	The Link/Activity LED of the port will be on if there is a 10/100Mbps 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.

PoE	On	Connected device is receiving PoE Power.
	Off	Connected device is not receiving PoE power.
	Green	Power being supplied within PD Specified limits
	Amber	Power exceeds PD Specified limits
	Amber Flashing	PoE Fault(i.e. problem with Ethernet cable or PoE device).

PREPARING FOR INSTALLATION

System Requirements

- ▶ **Ethernet Cables** to connect the AMS-1208P to Ethernet enabled devices
- ▶ **Computer** equipped with a Web browser. Supported Web browser versions include Microsoft I.E. 9.0, Firefox 3.6, Safari 5.0, Chrome 6.0, Opera 10.6 and up. The Web browser is used to configure the AMS-1208P.
- ▶ **Power** must be AC 100-240V 1.6A 50/60Hz.

Before Connecting to the Network

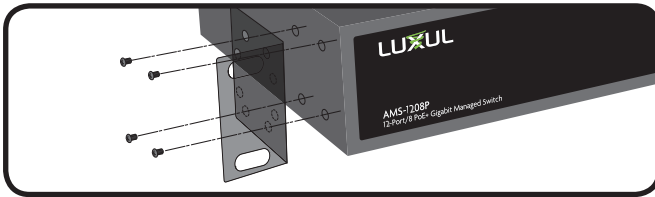
The AMS-1208P can be rack-mounted or used as a desktop switch. Before connecting to the network, please be aware of the following requirements:

- ▶ Install the AMS-1208P in a stable/safe place to avoid any possible damage
- ▶ Make sure there is space around the AMS-1208P for adequate ventilation and proper heat dissipation. It is recommended to have at least 4-6 inches around all sides.
- ▶ Power outlets should be within 5 feet of the AMS-1208P.
- ▶ Verify the ground connection of the outlet is functioning properly.
- ▶ Check the power cord to confirm a secure connection.
- ▶ When installing the AMS-1208P on a flat surface, attach the rubber feet to the bottom of the device to avoid scratching the surface.

AMS-1208P INSTALLATION

Installing the AMS-1208P in a Rack

The AMS-1208P can easily be installed in a standard 19" rack. The AMS-1208P 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:

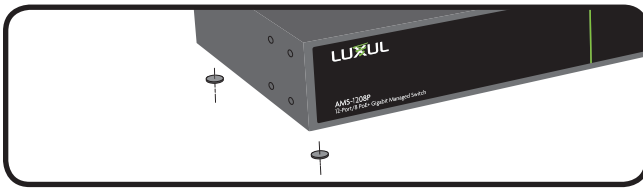


Rack-Mounting the AMS-1208P

- ▶ 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 AMS-1208P.



Attaching the Rubber Feet to the AMS-1208P

Network Connections:

The AMS-1208P 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 AMS-1208P to an Ethernet enabled device (including servers, routers, and other switches) without a crossover cable.

The AMS-1208P offers 2 Gigabit RJ-45 and 2 Gigabit SFP ports for expansion. This allows for the use of standard Ethernet cable or Gigabit optical fiber for network expansion. If using optical fiber, Gigabit SFP modules are required (Not Included). Once the Gigabit SFP optical modules are inserted, these interfaces can support optical fiber cables to extend the Gigabit network—enabling the network to reach 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.



NOTE: 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 AMS-1208P and a router. Otherwise, loops can occur and result in network failure.

Default IP Address

The AMS-1208P default IP address is 192.168.0.3. This address can be changed. However, for hassle free installation of other plug and play Luxul devices, it is recommended that the default IP value be maintained.

Login

The AMS-1208P is not equipped with internal DHCP server. However, if your switch is connected to a Luxul 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 AMS-1208P.

Parameter:	Default Value
Default IP address:	192.168.0.3
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 the network segment: 192.168.0.xxx ("xxx" ranges 1-254). For example, 192.168.0.100.
5. Open the Web browser, and enter 192.168.0.3. The login window appears.
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 go to luxul.com

WARNINGS AND SAFETY INFORMATION

- ▶ Verify that the electrical circuits have appropriate grounding and overload protection.
- ▶ Attach only approved power cords to the device.
- ▶ Verify there is adequate ventilation around the device, and that ambient temperatures meet equipment operation specifications.
- ▶ The AMS-1208P is designed for indoor use only. DO NOT place this outdoors.
- ▶ DO NOT install in or near hot or humid places, such as a kitchen or bathroom. Take care to minimize exposure to excessive heat or moisture.
- ▶ The AMS-1208P may become warm when in use for extended time periods. This is normal and is not a malfunction. DO NOT install where it will be exposed to paper, cloth or other flammable materials.

FCC Statement:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This device complies with part 15 of the FCC Rules



Hereby, Luxul, 14203 Minuteman Drive, Suite 201, Draper, Utah, 84020, declares that this Luxul AMS-1208P is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

For a copy of this report send a self addressed stamped envelope to:
Luxul CE, 14203 Minuteman Drive, Suite 201, Draper, Utah, 84020.

Industry Canada

CAN ICES-3(B)/NMB-3(B)

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