EMINENT

EM4435
5-Port Gigabit Switch, 4 PoE ports

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Manual

EM4435 - 5-Port Gigabit Switch, 4 PoE ports

Table of contents

1.0 Introduction

Congratulations with the purchase of this high-quality Eminent product! This product has undergone extensive testing by Eminent's technical experts. Should you experience any problems with this product, you are covered by Eminent warranty. Please keep this manual and the receipt in a safe place.

Register your product now on www.eminent-online.com and receive product updates!

1.1 Packing contents

The following parts need to be present in the packing:

- EM4435 5-Port Gigabit Switch, 4 PoE ports
- Manual
- Power cord
- 19" mounting bracket

2.0 Front and rear panel description

2.1 Front panel

Figure 1-1 shows the front panel of the switch.

Ports :
These ports are connection points for PCs and other network devices, such as additional switches.

2.1.1 LED Indicator description

You can see the switch's work status by LED indicators. The following table shows these indicators function:

LED	COLOR	STATUS	STATUS DESCRIPTION
Power	Green	On	Power On
		Off	Power off
Link/Act	Green	On	Connect to the port 10/100M/1000M: Green
		Off	Not connected
		Flashing	Sending or receiving data
POE	Green	On	Powered Device detected
		Off	The Powered Device is not connected or not detected

2.2 Rear panel
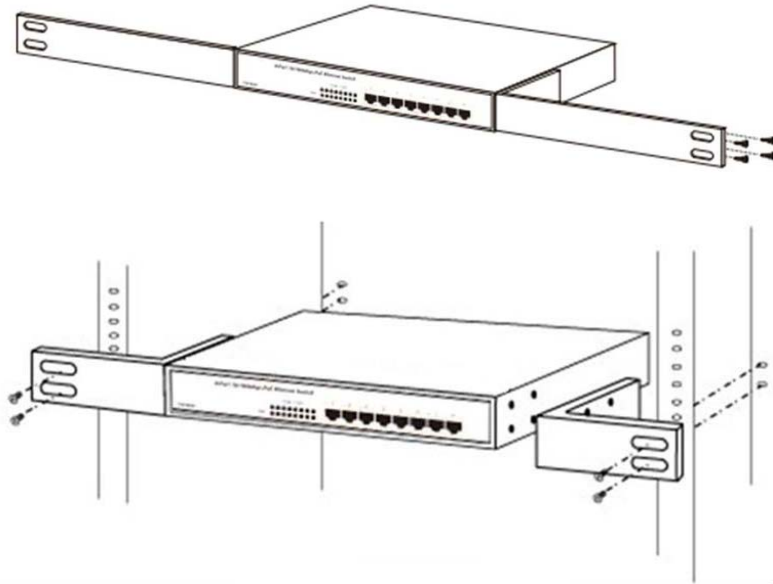
Figure 1-2 shows the rear panel of the switch.

Power :
The power port is where you need to connect the power cord.

3.0 Rack-mount Installation

The switch is rack-mountable and can be installed on an 19 inch equipment rack. To do this, first, please install the mounting brackets on the switch's side panels(one on each side), secure them with the included screws, and then use the screws provided with the equipment rack to mount the switch on the 19 inch rack.

4.0 Connect Powered Device to the Switch

All ports of the switch have PoE power supply function. The maximum output power of each port can reach up to 26W. The total maximum power is 75W. It can make PD devices, such as internet phone, network camera, wireless access point work. The switch provides five levels of 3.84 ~ 25.5W electric power request. You only need to connect the switch PoE port directly to the PD port by network cable.

5.0 Switch Features and Specifications

Features:

➢ 5 × 10/100/1000Mbps Auto-negotiation Gigabit RJ45 ports with 4 ports of PoE function (port1-port4)

➢ Supports PoE power up to 26W for each PoE port

➢ Supports total PoE power up to 75W for all PoE ports

➢ Supports PoE IEEE802.3af and IEEE802.3at compliant Powered Device (PD)

➢ Supports IEEE802.3x flow control for Full-duplex Mode and backpressure for Half-duplex Mode

➢ 8K entry MAC address table of the switch with auto-learning and auto-aging

➢ LED indicators for monitoring power, link, activity, POE

➢   Internal power supply

Specifications:

Standards		IEEE802.3 10Base-T, IEEE802.3u 100Base-TX, IEEE802.3af, IEEE802.3at, IEEE802.3ab
Network Media (Cable)		10Base-T: UTP category 3,4,5 cable (maximum 100m) 100Base-TX: UTP category 5, 5e cable (maximum 100m) 1000Base-T: UTP category 5e,6 cable or up(maximum 100m)
Number of Ports		5 x 10/100/1000Mbps Auto-Negotiation ports
Switching Capacity		10G
LED indicators	10/100/1000	Link/Act
	PoE	PoE
	Other	Power
Transfer Method		Store-and-Forward
PoE Power on RJ-45		Power+: pin 1 & pin 2
		Power-: pin 3 & pin 6
MAC Address Learning		Automatically learning, automatically Update
Frame Filtering and Forward Rate		10Mbps: 14880pps,100Mbps: 148800pps, 1000Mbps:1488000pps
Dimensions (L x W x H)		280*179*44mm
Weight		1457gr
Environment		Operating Temperature: 0°C~40°C Storage Temperature: -10°C~70°C Operating Humidity: 10%~90% non-condensing Storage humidity: 5%~90% non-condensing

6.0 Frequently Asked Questions and other related information

The latest Frequently asked questions for your product can be found on the support page of your product. Eminent will update these pages frequently to assure you have the most recent information. Visit www.eminent-online.com for more information about your product.

7.0 Service and support

This user manual has been carefully written by Eminent's technical experts. If you have problems installing or using the product, please fill out the support form at the website www.eminent-online.com/support.

You can also contact us by phone. Please check www.eminent-online.com/support for the helpdesk phone number and opening hours.

8.0 Warning and points of attention

Due to laws, directives and regulations set out by the European parliament, some (wireless) devices could be subject to limitations concerning its use in certain European member states. In certain European member states the use of such devices could be prohibited. Contact your (local) government for more information about this limitations.

Always follow up the instructions in the manual*, especially where it concerns devices which need to be assembled.

Warning: In most cases this concerns an electronic device. Wrong/improper use may lead to (severe) injuries!

When you connect the device to the mains, make sure it will not be damaged or subject to (high) pressure.

A power socket is needed which should be close and easy accessible from the device.

Repairing of the device should be done by qualified Eminent staff. Never try to repair the device yourself. The warranty immediately voids when products have undergone self-repair and/or by misuse. For extended warranty conditions, please visit our website at www.eminent-online.com/warranty.

Dispose of the device appropriately. Please follow your countries regulation for the disposal of electronic goods.

Please check below safety points carefully:
- Do not apply external force on the cables
- Do not unplug the device by pulling the power cable
- Do not place the device near heating elements
- Do not let the device come in contact with water of other liquids
- If there is any strange sound, smoke or odor, remove the device immediately from the power outlet.
- Do not put any sharp objects into the venting hole of a product
- Do not use any damaged cables (risk of electric shock)
- Keep the product out of reach of children
- Wipe off the product with soft fabric, not water mop.
- Keep the power plug and outlet clean
- Do not unplug the device form the power outlet with wet hands
- Unplug the device when you don't use it for a long time

- Use the device at a well ventilated place

Tip: Eminent manuals are written with great care. However, due to new technological developments it can happen that a printed manual does not longer contain the most recent information. If you are experiencing any problems with the printed manual or you cannot find what you are looking for, please always check our website www.eminent-online.com first for the newest updated manual.

Also, you will find frequently asked questions in the FAQ section. It is highly recommended to consult the FAQ section. Very often the answer to your questions will be found here.

9.0 Warranty conditions

The Eminent warranty applies to all Eminent products. After buying a second-hand Eminent product the remaining period of warranty is measured from the moment of purchase by the product's initial owner. Eminent warranty applies to all Eminent products and parts, indissolubly connected or mounted to the product it concerns. Power supply adapters, batteries, antennas and all other products not directly integrated in or connected to the main product or products of which, without reasonable doubt, can be assumed that wear and tear during use will show a different pattern than the main product, are not covered by the Eminent warranty. Products are not covered by the Eminent warranty when exposed to incorrect/improper use, external influences or when opening the service parts of the product by parties other than Eminent. Eminent may use refurbished materials for repair or replacement of your defective product. Eminent cannot be held responsible for changes in network settings by internet providers. We cannot guarantee that the Eminent networking product will keep working when settings are changed by the internet providers. Eminent cannot guarantee the working of web services, apps and other third party content that is available through Eminent products

When my product gets defective
Should you encounter a product rendered defective for reasons other than described above: Please contact your point of purchase for taking care of your defective product.