

USER MANUAL

EGS16
EGS24
PEGS8
PEGS16

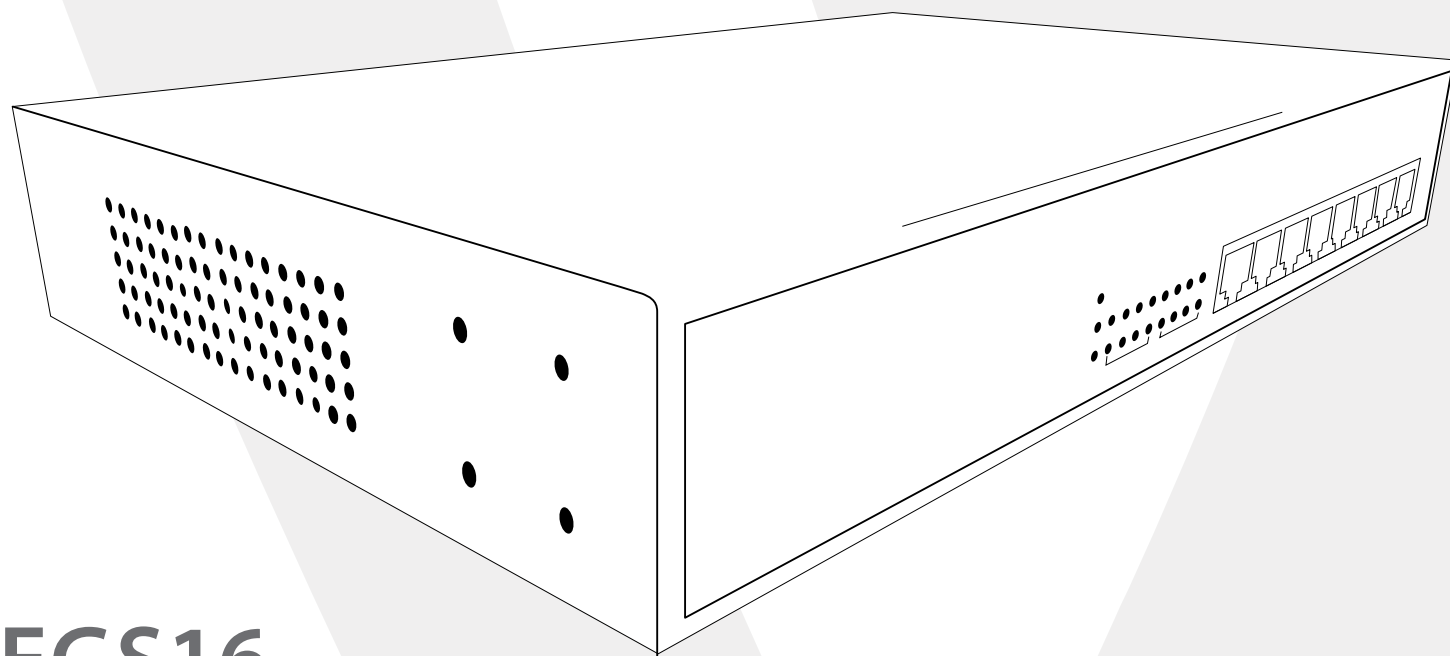


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INTRODUCTION

Package Contents

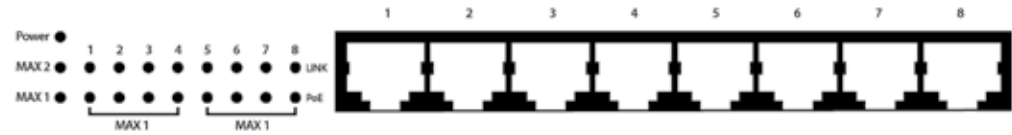
- Gigabit Ethernet Switch
- AC Power Cord
- 4 Rubber Feet
- Mounting Kit (Screws & Mounting Brackets)

Main Features

- Complies with IEEE 802.3, IEEE 802.3u and IEEE 802.3ab standards
- 10/100/1000 Mbps Ethernet ports
- Auto-Negotiation ports provide smart switching between 10 Mbps, 100 Mbps and 1000 Mbps hardware
- Supports Auto-MDI/MDI-X, eliminating the need for crossover cables
- Energy Saving design turns off ports that are unused or have connected devices that are shut down. Redirects power according to different cable lengths
- Non-blocking switching architecture enables full wire-speed packets forwarding and filtering
- Supports IEEE 802.3x flow control for Full Duplex mode and back-pressure for Half Duplex mode
- Store-and-forward switching method
- Supports 16k MAC address auto-learning and auto-aging.

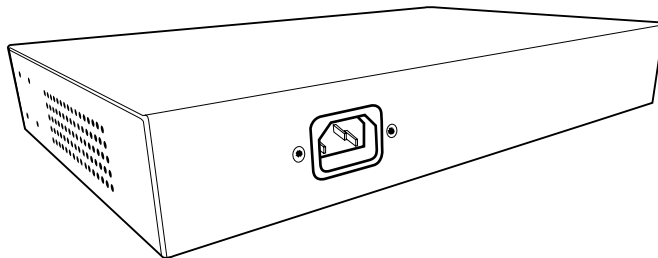
Front Panel

8-Port 10/100/1000Mbps PoE Ethernet Switch



LED	Status	Description
Power	On	Power is ON
	Off	Power is OFF
LED/ACT 1000M	On	Port is connected and operating at speed of 10/100 Mbps or 10/100/1000 Mbps
	Off	Port is disconnected
	Blinking	Data transmitting

Rear Panel



Power Jack: the power jack is used for connecting the switch to the power socket with the included power adapter.
Input voltage: AC 100-240V.

Preparation Before Installation

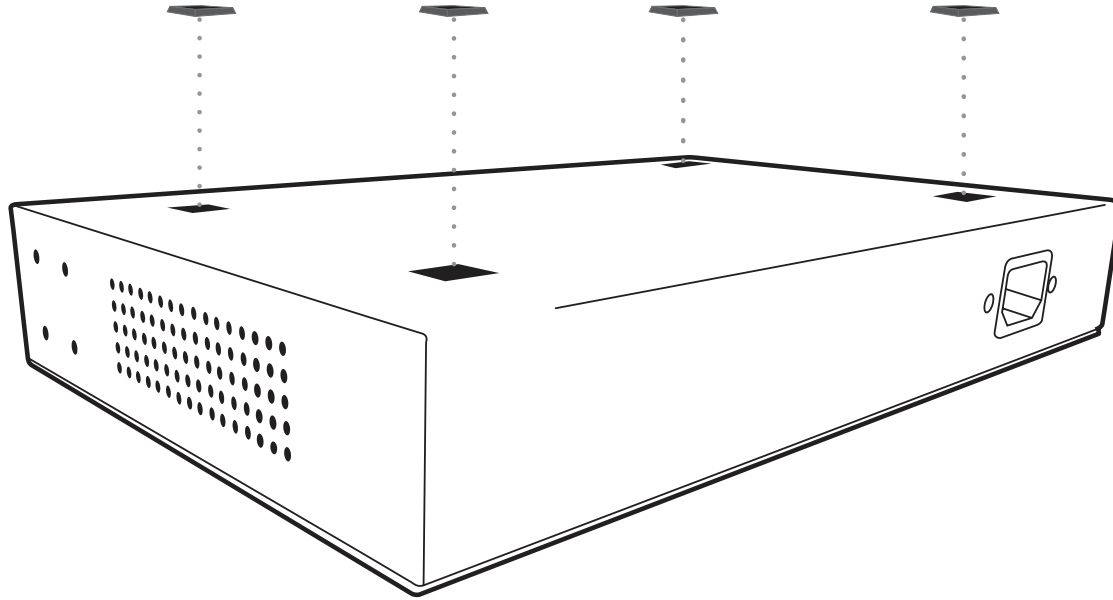
- Keep away from moisture, water or other liquids
- Keep in a low temperature, low humidity environment
- Keep away from dust, direct exposure to sunlight, radiators, heat sources and strong electromagnetic fields (ie. motors)
- Allow for adequate airflow to avoid overheating. At least 10 cm (4 inches) of space at the front and rear of the switch is needed for ventilation
- Position system cables and power cables carefully to prevent a tripping hazard
- Use a surge supressor, line conditioner, or uninterruptible power supply (UPS)

Personal Safety Caution

1. If any of the following conditions occur, unplug the product from the electrical outlet and replace the part or contact your trained service provider:
 - The power cable, extension cable, or plug is damaged.
 - An object has fallen into the product.
 - The product has been exposed to water.
 - The product has been dropped or damaged.
2. Do not modify power cables or plugs. Consult a licensed electrician or your power company for site modifications. Always follow your local/national wiring rules. If you have to, please allow the device to cool before removing covers or touching internal components.
3. Be extra careful when pressing the rail release latches and sliding a component into or out of a rack. The slide rail can pinch your fingers.

Desktop Installation

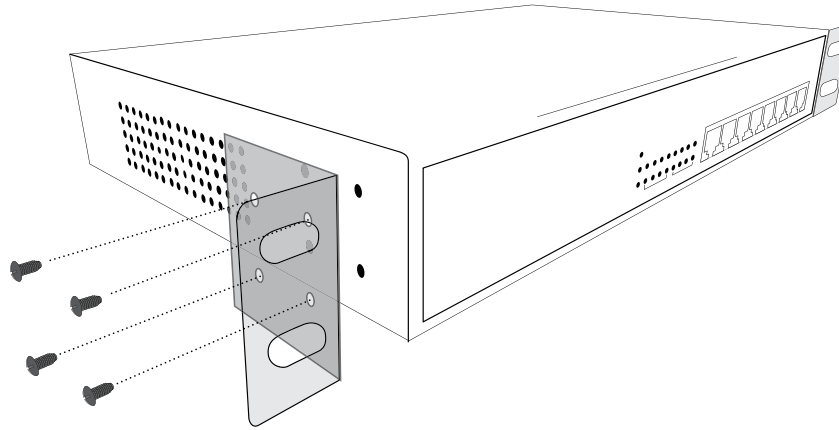
1. Remove the adhesive backing papers from the rubber feet.
2. Attach the supplied rubber feet to the recessed areas on the bottom of the switch



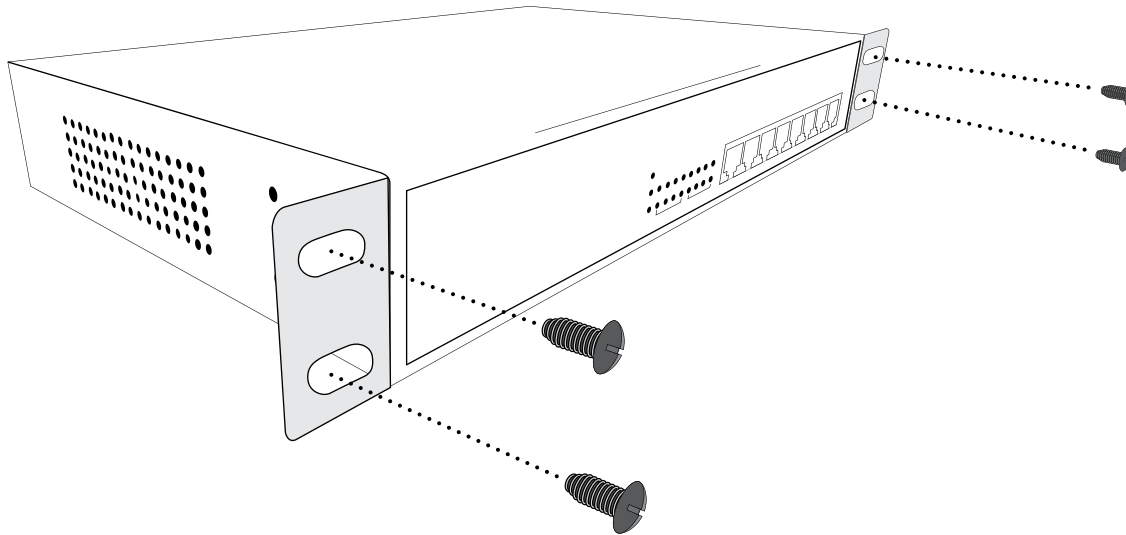
3. Set the switch on a flat surface strong enough to support the entire weight of the switch. Keep enough ventilation space around the switch.

Rack Mounting

1. First secure the supplied rack-mounting brackets to each side of the switch with the screws (included)



2. After the brackets are attached to the switch, use suitable screws to secure the brackets to the rack (not supplied)

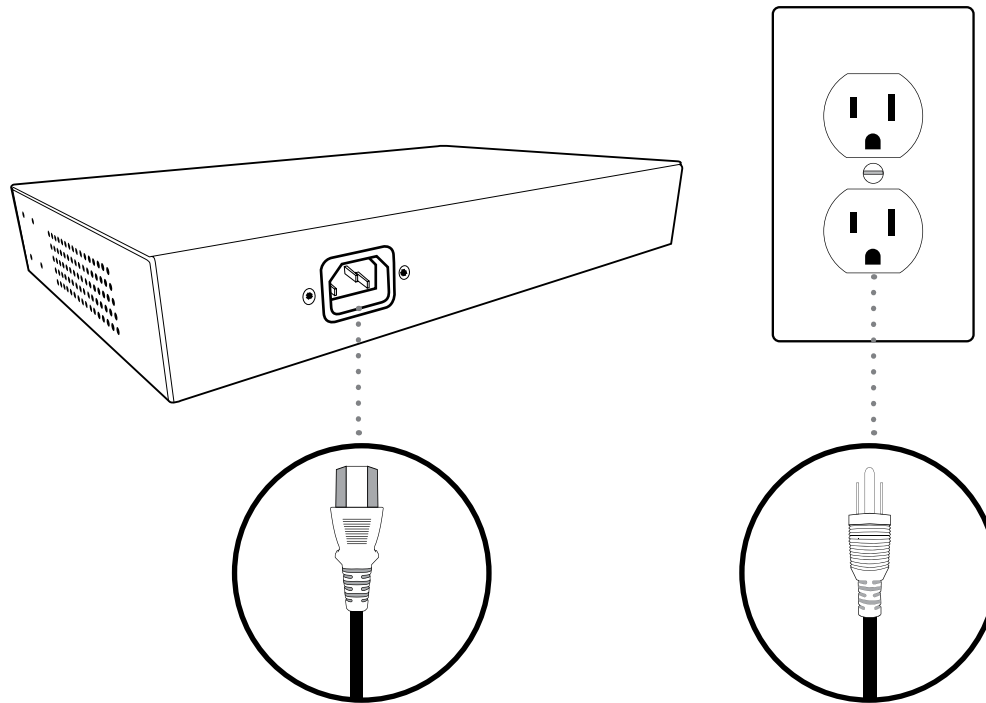


NOTE:

- Make sure that the rack is level and stable before extending a component from the rack, the stabilizers are secure to the rack can extend to the floor, and the full weight of the rack rested on the floor.
- Do not step on or stand on any component when servicing other components in a rack.

Connect to Ground

Please connect to the ground via the PE (Protecting Earth) Cable of the AC power supply as shown at the following figure. Make sure the PE cable in the electrical outlet is well grounded in advance. Use only approved for use in your country. **Do not attempt to connect the power to the system until it is properly grounded to the rack cabinet frame. A serious hazard can occur if this step is not properly completed.**



NOTE:

- Never remove the ground conductor or operate the equipment in the absence of a suitably installed ground conductor. Contact the appropriate electrical inspection or an authority electrician if you are not sure about what suitable grounding is available.
- Do not use adapter plugs or remove the grounding prong from the cable. If you must use an extension cable, please use a 3-wire cable with proper grounded plugs to prevent.

SPECIFICATIONS

General	
Standards	IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.1x
Protocol	CSMA/CD
Data Transfer Rate	Ethernet: 10 Mbps (Half Duplex)/20 Mbps (Full Duplex) Fast Ethernet: 100 Mbps (Half duplex)/200 Mbps (Full Duplex) Giga bit Ethernet: 2000 Mbps (Full Duplex)
Topology	Star
Performance	
Transmission Method	Store-and-Forward
MAC Address Learning	Self-learning, auto-aging
Physical and Environmental	
AC input	AC 100-240V
Operating Temperature	0°C-40°C (32°F-104°F)
Storage Temperature	-40°C-70°C (-40°F-158°F)
Operating Humidity	10%-90%, Non-condensing
Storage Humidity	5%-90%, Non-condensing
Certifications	CE, FCC, ROHS