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NETGEAR GS108LP 8-Port Gigabit Ethernet PoE+ Unmanaged Switch with FlexPoE 60W Installation Guide
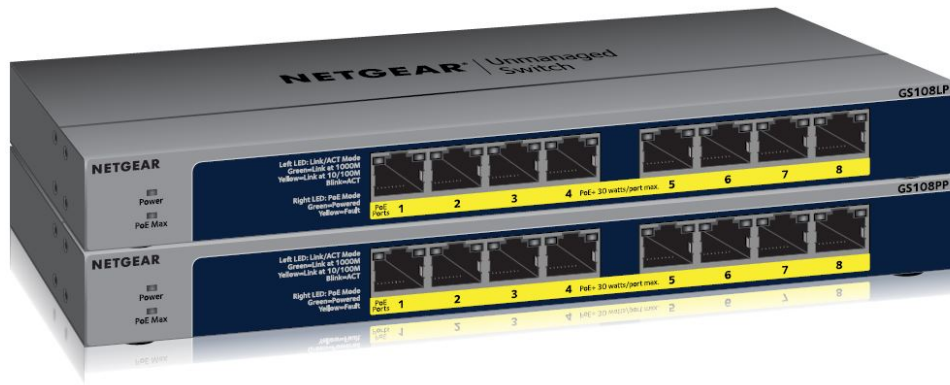
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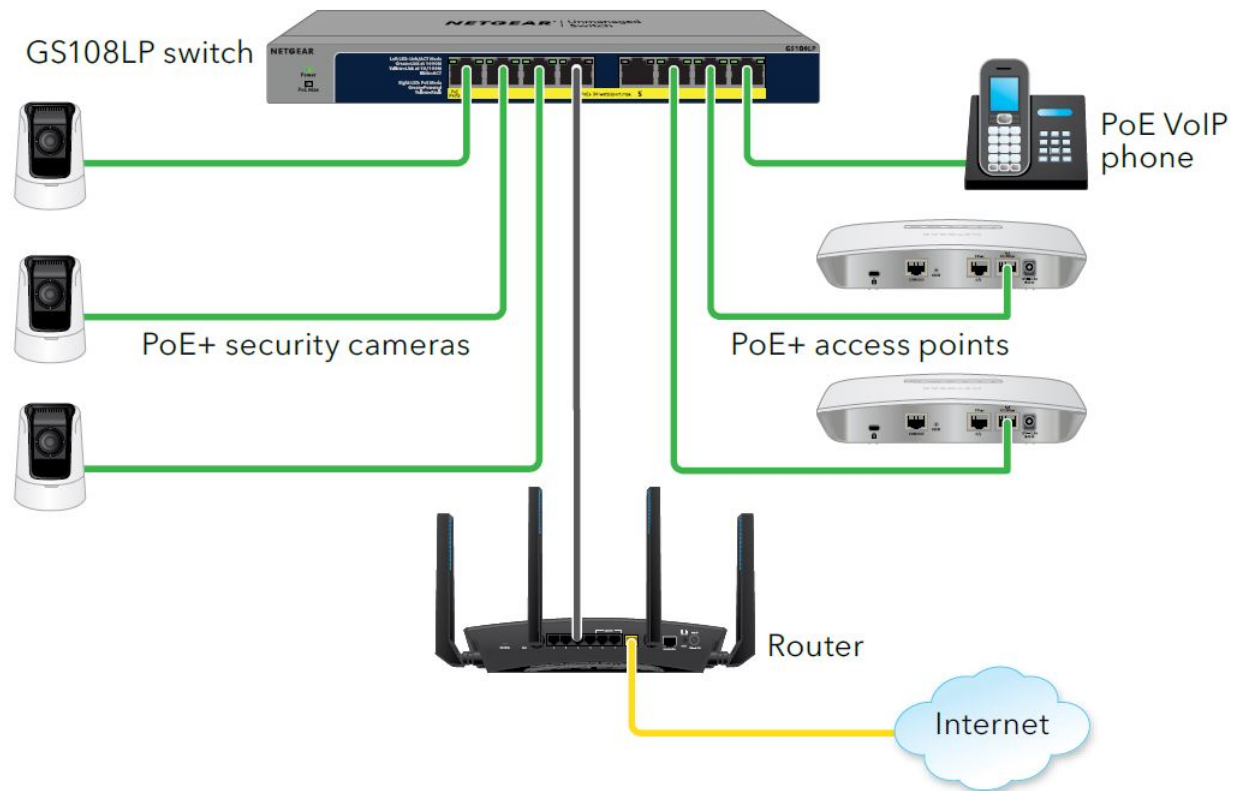
Package Contents

- Switch
- Power adapter
- Power cord (varies by region)
- Wall installation kit
- Rubber feet
- Rackmount kit
- Installation guide

Register the switch

1. From a computer or mobile device that is connected to the Internet, **visit my.netgear.com**.
2. Log in to your NETGEAR account.

   NOTE: If you don't have a free NETGEAR account, you can create one. The My Products page displays.
3. From the menu on the left, select Register a Product.
4. In the Serial Number field, type the serial number of your switch. The serial number is 13 digits long. It is printed on the switch label.
5. From the Date of Purchase menu, select the date that you purchased the switch.
6. Click the REGISTER button.

Your switch is registered to your NETGEAR account. A confirmation email is sent to your NETGEAR account email address.

Connect the equipment

GS108LP switch / PoE+ security cameras / PoE VoIP phone / PoE+ access points / Router / Internet
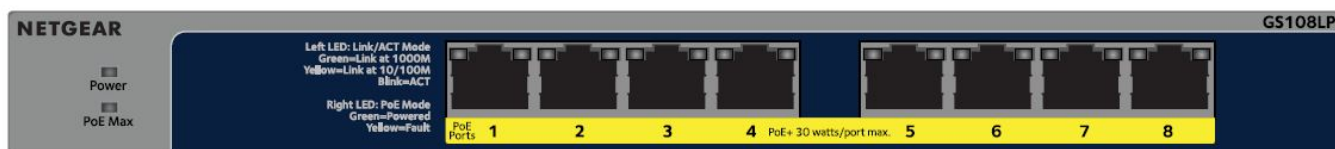
Sample connections

This switch is designed for indoor use only. If you want to connect it to a device located outdoors, the outdoor device must be properly grounded and surge protected, and you must install an Ethernet surge protector inline between the switch and the outdoor device. Failure to do so can amage the switch.

Before connecting this switch to outdoor cables or devices, see **https://kb.netgear.com/000057103** for safety and warranty information.

Connect to power

Check the LED status

Left LED: Link/ACT Mode
Green=Link at 1000M
Yellow=Link at 10/100M
Blink=ACT

Right LED: PoE Mode
Green=Powered
Yellow=Fault

Power

PoE Max

PoE Ports 1   2   3   4   PoE+ 30 watts/port max.   5   6   7   8

Power LED

🟩	On
⬜	Off

Left port LEDs

🟩	1000 Mbps link
🟨	100 or 10 Mbps link
🟩/🟨 (blinking)	Activity (blinking)
⬜	No link (off)

Right port LEDs

🟩	PoE in use
🟨	PoE halted (see "PoE troubleshooting")
⬜	No PoE use (off)

PoE Max LED

The maximum PoE power that the switch can deliver to all attached powered devices (PDs) is 123W total for model GS108PP and 60W total for model GS108LP. (For model GS108LP, you can purchase an optional power adapter that can provide 83W total).

The switch can deliver a maximum power of 30W to each port. (For more information, see "PoE considerations".)

The PoE Max LED indicates the status of the PoE power that the switch can deliver to all attached PDs, as follows:

🟨 **Solid amber**: Less than 7W of PoE power is available on the switch.

🟨 (blinking) **Blinking amber**: The PoE Max LED was lit solid in the previous two minutes.

⬜ **Off**: Sufficient (more than 7W of) PoE power is available on the switch.

PoE considerations

The switch prioritizes the PoE and PoE+ power that it supplies in ascending port order (from port 1 to port 8), with a total power budget of 123W for model GS108PP with the default power adapter and 60W for model GS108LP with the default power adapter. If the power requirements for the attached powered devices (PDs) exceed the total power budget of the switch, the PD on the highest-numbered port is disabled to make sure that the PDs that are connected to the higher-priority, lower-numbered ports are supported first.

PoE troubleshooting

Here are some tips for correcting PoE problems that might occur:

- Make sure that the PoE Max LED is off. If the PoE Max LED is solid amber, disconnect one or more PoE devices to prevent PoE oversubscription. Start by disconnecting the device from the highest-numbered port.

- Make sure that the Ethernet cables are plugged in correctly. For each powered device (PD) that is connected to the switch, the corresponding right port LED on the switch lights solid green. If the right port LED lights solid amber, a PoE fault occurred and PoE halted because of one of the conditions that are listed in the following table

PoE Fault Condition	Possible Solution
A PoE-related short circuit occurred on the port.	The problem is most likely with the attached PD. Check the condition of the PD, or restart the PD by disconnecting and reconnecting the PD.
The PoE power demand of the PD exceeded the maximum level that the switch permits. The maximum level is 15.4W for a PoE connection and 30W for a PoE+ connection.	
The PoE current on the port exceeded the classification limit of the PD.	
The PoE voltage of the port is outside the range that the switch permits.	Restart the switch to see if the condition resolves itself.

Attach the switch to a wall

To attach the switch to a wall, you need the wall mount screws that are supplied with the switch.
To attach the switch to a wall:

1. Locate the two mount holes on the bottom panel of the switch.
2. Mark and drill two mounting holes in the wall where you want to mount the switch. The two mounting holes must be at a precise distance of 4.25 in. (108 mm) from each other.
3. Insert the supplied anchors into the wall and tighten the supplied screws with a No. 2 Phillips screwdriver.

Leave about 0.15 in. (4 mm) of each screw protruding from the wall so that you can insert the screws into the holes on the bottom panel.

Install the switch in a rack

To install the switch in a rack, you need the rackmount brackets and screws that are supplied with the switch.
To install the switch in a rack:

1. Attach the supplied mounting brackets to the side of the switch. Insert the screws provided in the product package through each bracket and into the bracket mounting holes in the switch.
2. Tighten the screws with a No. 2 Phillips screwdriver to secure each bracket.
3. Align the mounting holes in the brackets with the holes in the rack, and insert two pan-head screws with nylon washers through each bracket and into the rack.
4. Tighten the screws with a No. 2 Phillips screwdriver to secure mounting brackets to the rack.

Specifications

Specification	Description
Network interfaces	8 PoE/PoE+ Gigabit Ethernet RJ-45 ports that support 1G, 100M, and 10M
Network cable	• 100 Mbps: Category 5 (Cat 5) or higher rated Ethernet cable • 1 Gbps: 5e (Cat 5e) or higher rated Ethernet cable Maximum distance is 328 feet (100 meters)
Max PoE budget	• Model GS108PP: 123W PoE budget with the default power adapter • Model GS108LP: 60W PoE budget with the default power adapter Note: As a flexible PoE (FlexPoE) option, you can purchase another power adapter that can provide a PoE budget of 83W.
Power adapter input	Power cord varies by region.
Power adapter output	• Model GS108PP: 130W, 54V @ 2.4A • Model GS108LP: 67.5W, 54V @ 1.25A • Optional power adapter that can provide a PoE budget of 83W: 90W, 54V @ 1.66A
Dimensions (W x D x H)	9.3 x 4.0 x 1 in. (236 x 102 x 27 mm)
Weight	1.32 lb (0.6 kg)
Operating temperature	32–104°F (0–40°C)
Operating humidity	10%–90% relative humidity, noncondensing
Compliance	FCC class A, CB, CE class A, VCCI class A, RCM class A, KC, BSMI For model GS108PP only: CCC

Support and Community

Visit **netgear.com/support** to get your questions answered and access the latest downloads.

You can also check out our NETGEAR Community for helpful advice at **community.netgear.com**.

Regulatory and Legal

(If this product is sold in Canada, you can access this document in Canadian French at **https://www.netgear.com/support/download/**.)

For regulatory compliance information including the EU Declaration of Conformity, visit **https://www.netgear.com/about/regulatory/**.

See the regulatory compliance document before connecting the power supply.

For NETGEAR's Privacy Policy, visit **https://www.netgear.com/about/privacy-policy/**.

By using this device, you are agreeing to NETGEAR's Terms and Conditions at **https://www.netgear.com/about/terms-and-conditions/**. If you do not agree, return the device to your place of purchase within your return period.

Do not use this device outdoors. The PoE source is intended for intra building connection only.

Documents / Resources

NETGEAR GS108LP 8-Port Gigabit Ethernet PoE+ Unmanaged Switch with FlexPoE 60W [pdf] Installation Guide
GS108LP, 8-Port Gigabit Ethernet PoE Unmanaged Switch with FlexPoE 60W, GS108LP 8-Port Gigabit Ethernet PoE Unmanaged Switch with FlexPoE 60W, 8-Port Gigabit Ethernet High-Power PoE Unmanaged Switch with FlexPoE 123W GS108PP