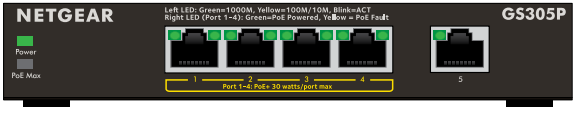
NETGEAR®
BUSINESS

Installation Guide

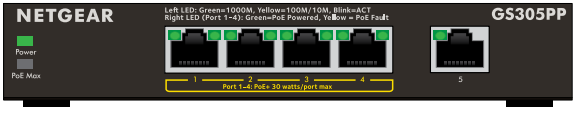
5-Port Gigabit Ethernet PoE+ Unmanaged Essentials Switch (63W)

Model GS305Pv3



5-Port Gigabit Ethernet PoE+ Unmanaged Essentials Switch (83W)

Model GS305PPv3



Package contents

- Model GS305Pv3 or GS305PPv3 Unmanaged Essentials Switch
- DC power adapter
- Detachable power cable (varies by region)
- Wall-mount kit screws
- Four rubber footpads
- Installation guide

NOTE: We recommend that you use a Category 5e (Cat 5e) cable or a higher rated cable for Gigabit Ethernet connections.

1. Register the switch

Registration is required for warranty activation and support. For more information, visit netgear.com/about/warranty.

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.

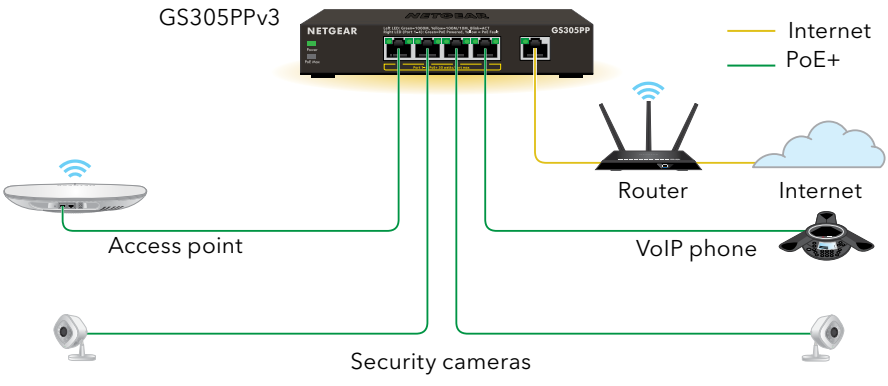
   The Your Registered Products page displays.
3. Click the **REGISTER NEW PRODUCT** button.
4. In the **SERIAL NUMBER** field, type the serial number of your switch.

   The serial number is 13 digits long. It is printed on the switch label.
5. From the **PURCHASE DATE** menus, 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.

2. Connect the switch

Sample connections



1. Connect network devices to the ports on the switch.
2. Connect an RJ-45 port on the switch to a network.

   NOTE: In a small office or home office network, connect the switch to the LAN port of a router that, in turn, is connected to a modem.

3. Power on the switch.

This switch is designed for indoor use only. If you want to connect 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 damage the switch.



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

3. Connect to power and check the LEDs

When you connect the power adapter to the switch and plug the power cable into an electrical outlet, the LEDs indicate the status.

The switch provides PoE+ or PoE power on ports 1–4 up to 30W PoE to each port. Model GS305Pv3 provides a PoE power budget of 63W across all active PoE ports. Model GS305PPv3 provides a PoE power budget of 83W across all active PoE ports.

The following table describes the LED behavior.

LED	Description
Power LED	**On**. The switch is receiving power. **Off**. The switch is not receiving power.
Ports 1–5 left LED	**On**.1 Gbps link on this port. **On**. 100 Mbps or 10 Mbps link on this port. **Blinking**. 1 Gbps activity on this port. **Blinking**. 100 Mbps or 10 Mbps activity on this port. **Off**. No link is detected on this port.
Ports 1–4 right LED	**On**. PoE is in use. **On**. PoE fault. **Off**. PoE is not in use on this port.
PoE Max LED	The PoE Max LED indicates the status of the PoE budget on the switch: **Off**. Sufficient. More than 7W of PoE power is available. **On**. Less than 7W of PoE power is available. **Blinking**. At least once during the previous two minutes, less than 7W of PoE power was available.

PoE considerations

The PoE and PoE+ power supplied by the switch is prioritized in ascending port order (from port 1 to port 4), with a total power budget of 63W for model GS305Pv3 and 83W for model GS305PPv3. 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:

- If the PoE Max LED is yellow, disconnect one or more PoE devices to prevent PoE oversubscription. Start by disconnecting the device from the highest-numbered port.
- For each powered device (PD) that is connected to the switch, the associated right port LED on the switch lights solid green. If the right port LED lights yellow, a PoE fault occurred because of one of the conditions 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 or 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	Power cycle the switch to see if the condition resolves itself.

Mount the switch on a wall

We recommend that you use the wall-mount screws that came with the switch.

1. Locate the two mounting holes on the bottom panel of the switch.
2. Mark and drill two mounting holes in the wall.
3. The two mounting holes must be 3.19 in. (80 mm) apart, center-to-center. Insert the supplied anchors into the wall and tighten the screws with a No. 2 Phillips screwdriver.

   Leave about 0.12 in. (4 mm) of each screw protruding from the wall so that you can insert the screw heads into the holes on the bottom panel.

NOTE: The screws are 0.25 in. (6 mm) in diameter, 1.1 in. (27 mm) in length.

Specifications

Specification	Description
Network interface	RJ-45 connector for 1000BASE-T, 100BASE-TX, or 10BASE-T
Network cable	Category 5 (Cat 5) or higher rated Ethernet cable
Ports	5 total. Ports 1-4 can provide PoE+; Port 5 is an uplink port.
Power adapter	Model GS305Pv3: 54V @ 1.25A DC input Model GS305PPv3: 54V @ 1.66A DC input
Power consumption	Model GS305Pv3: 67.5W maximum; 1.02W standby Model GS305PPv3: 90.0W maximum; 1.01W standby
PoE power budget	Model GS305Pv3: 30W maximum per PoE+ port with a total PoE power budget of 63W for the switch Model GS305PPv3: 30W maximum per PoE+ port with a total PoE power budget of 83W for the switch
Dimensions (W x D x H)	6.2 x 4.0 x 1.1 in. (158 x 101 x 27 mm)
Weight	0.88 lb (0.40 kg)
Operating temperature	32–104°F (0–40°C)
Operating humidity	10%–90% relative humidity, noncondensing

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

Si ce produit est vendu au Canada, vous pouvez accéder à ce document en français canadien à https://www.netgear.com/support/download/.

(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.

Applicable to 6 GHz devices only: Only use the device indoors. The operation of 6 GHz devices is prohibited on oil platforms, cars, trains, boats, and aircraft, except that operation of this device is permitted in large aircraft while flying above 10,000 feet. Operation of transmitters in the 5.925-7.125 GHz band is prohibited for control of or communications with unmanned aircraft systems.

December 2024

201-31923-02

© NETGEAR, Inc., NETGEAR and the NETGEAR Logo are trademarks of NETGEAR, Inc. Any non-NETGEAR trademarks are used for reference purposes only.

NETGEAR, Inc. | **NETGEAR INTERNATIONAL LTD**