Package contents:

- NETGEAR GS716TP or GS716TPP switch
- Rack-mount kit for rack installation
- Rubber footpads for tabletop installation
- Detachable power cord (varies by region)
- NETGEAR GS716TP or GS716TPP switch

Installation Guide

GS716TPP switch

Network router

Internet

PoE security cameras

PoE conference phones

PoE access points

Sample connections

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.

WARNING: Failure to do so can damage the switch.

To use an SFP port, you must insert an SFP transceiver module, which you can purchase from NETGEAR.

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Connect the switch

1. Connect devices to the IP ports (1-16) on the switch front panel. Use Cat 6 Ethernet cables terminated with 8P-8C connectors to make Gigabit Ethernet connections.

Note: In a small office or home office network, connect the switch to the LAN port of a router that is connected to the Internet, or to a gateway.

To use an SFP port, you must insert an SFP transceiver module, which you can purchase from NETGEAR.

2. Power on the switch and wait two minutes.

If you connected the switch to a network with a DHCP server, the switch is automatically assigned a new IP address.

(The default switch IP address is 192.168.239.254.)

Check the PoE status

The switch can supply up to 30W PoE+ (IEEE 802.3at) to each port. The maximum PoE power budget across all active PoE ports is 180W for model GS716TP and 300W for hi-power model GS716TPP.

The PoE Max LED indicates the status of the PoE budget on the switch:

- Solid yellow: Less than 7W of PoE power is available.
- Blinking yellow: All ports are powered during the previous two minutes, less than 7W of PoE power is available.

Discover the switch in your network

Depending on your setup, you can use the NETGEAR Insight app to discover the switch IP address in your network, or you can use other discovery methods.

Use the NETGEAR Insight app to discover the switch

If your switch and mobile device are connected to the same network, you can use the NETGEAR Insight app to discover the switch IP address in your network. Regardless of your setup, you can use the Insight app to register the switch and activate your warranty.

1. If your mobile device is connected to the Internet, download the latest version of the app.

2. Open the NETGEAR Insight app.

3. If you do not have a NETGEAR account, tap Create NETGEAR Account and follow the onscreen instructions.

4. Enter the email address and password for your NETGEAR account and tap LOG IN.

5. Follow the onscreen instructions to complete the registration of the switch. During the process, decide if you want to manage and monitor the switch from the device UI or remotely from the cloud using NETGEAR Insight.

- Device UI: Tap: Not Now.
- NETGEAR Insight Cloud Portal or Insight app: Tap Manage Insight.

Then, continue with log in to the device UI to configure the switch.

Use another method to discover the switch

NETGEAR Switch Discovery Tool (NSDT)

You can use a Mac or Windows-based computer on the same network as the switch. To download this tool, visit www.netgear.com/support/product/netgear-switch-discovery-tool.aspx.

Smart Control Center (SCC)

You can use a Windows-based computer on the same network as the switch. To download the SCC, visit www.netgear.com/support/product/SCC.

Log in to the device UI to configure the switch

You can use the switch as a plug-and-play device or you can change the settings by logging in to the device user interface (UI).

1. Open a web browser from a computer connected to the same network as your switch.

You can use a wired or WiFi connection.

2. In the address field of your web browser, enter the IP address of the switch.

To discover the IP address of the switch, use the NETGEAR Insight app or another discovery method (see Use another method to discover the switch).

If the switch is connected to the Internet, the Register to activate your warranty page displays. If you already registered the switch with the NETGEAR Insight app, the Device UI login page displays, and you can continue with Step 4.

Continue on the next page.
2. Insight app, change the management mode in the device UI.

By default, the management mode in the device UI is set to Directly Connect to Web.

Note:
- You can use a wired or WiFi connection.
- If you did not register the switch, the Register to activate your warranty page displays. For more information, see Register Your Device.
- You can register the switch and activate the warranty. For information on how to register the switch, see the System Information page.
- If you obtained a registration key, for example by purchasing the switch, you can enter the key and register the switch.
- This button displays if the switch is connected to the Internet. You can register the switch and activate the warranty. For information about the many benefits of registering your switch, visit www.netgear.com/why-register.
- In the pop-up window, click the OK button.
- In the pop-up window, click the OK button.
- Your settings are saved.
- The first time that you change the management mode to Insight, the system is reset to its factory default settings, and you must configure the switch using the NETGEAR Insight Cloud Portal or Insight app. We recommend that you use the Insight Cloud Portal.
- You can still log in to the device UI and access a limited menu, but instead of the device admin password, you must enter the Insight netmask network location to which you added the switch.

PoE troubleshooting

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

- If the PoE Max LED is solid yellow, disconnect one or more PoE devices to prevent PoE oversubscription.
- For each powered device (PD) that is connected to the switch, the associated PoE LED lights on the switch. If the PoE LED lights solid yellow, a PoE fault occurred and PoE failed because of one of the conditions listed in the following table.

### PoE Fault Condition

*Possible Solution*

*The PoE power demand of the PD exceeded the maximum level that the switch permits. The maximum power demand of the PD is determined by the switch. Use a shorter cable.

*The PoE power demand of the PD exceeded the maximum level that the switch permits. The maximum power demand of the PD exceeds the switch’s capabilities. Use a longer cable.*

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

Support and Community

Netgear is committed to the highest standards of integrity and ethics. We are dedicated to the complete satisfaction of our customers. If you have any questions about this product, you can visit the community.netgear.com downloads.

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Support and Community

If you have a problem with this product, you can contact customer support at support.netgear.com.

Regulatory and Legal

If this product is sold in Canada, you can access this document in Canadian French at 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.

By using this device, you are agreeing to NETGEAR’s 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.