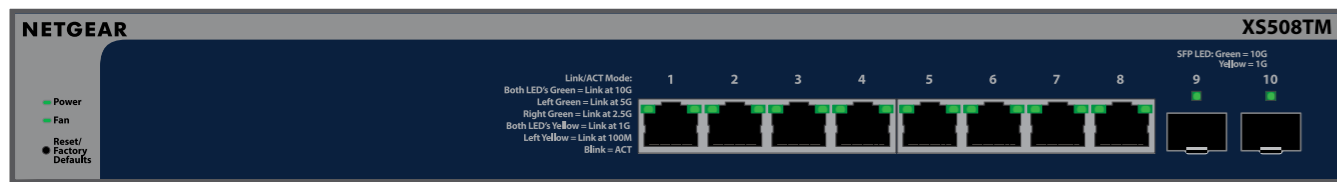
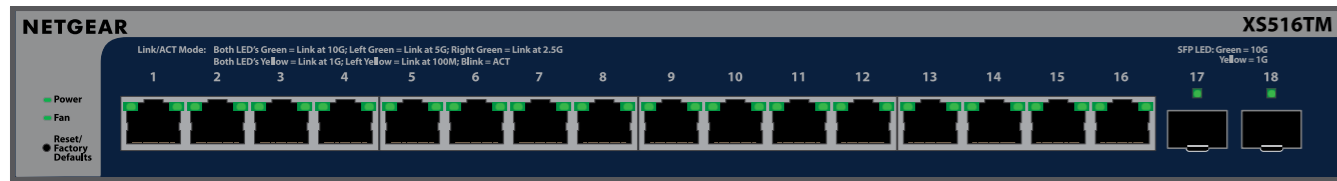


# Installation Guide

## S3600 Series 8-Port 10G/Multi-Gigabit Ethernet Smart Switch with 2 SFP+ Ports XS508TM



## S3600 Series 16-Port 10G/Multi-Gigabit Ethernet Smart Switch with 2 SFP+ Ports XS516TM



### Package contents

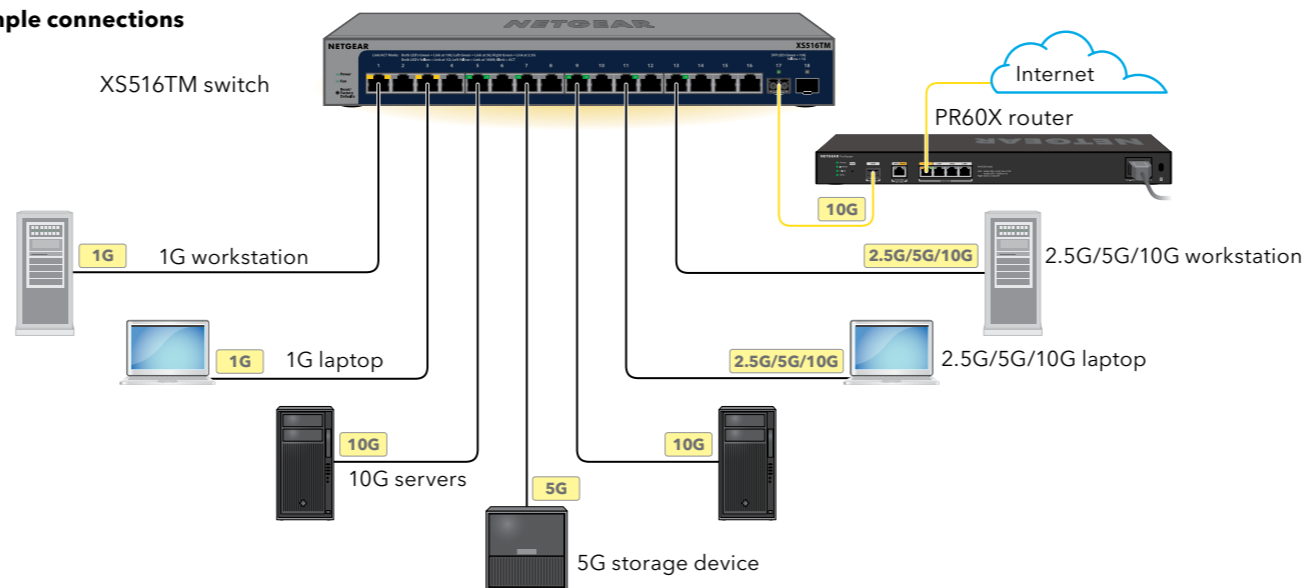
- NETGEAR XS508TM or XS516TM switch
- Detachable power cord (varies by region)
- Rubber footpads for tabletop installation
- Rack-mount kit
- Wall-mount kit
- Installation guide

**NOTE:** For more information about installing and mounting the switch, visit the NETGEAR Download Center at [netgear.com/support/download/](https://netgear.com/support/download/) and enter the model number to access the user manual. The QR code for the NETGEAR Download Center is shown at the right.



### Step 1: Connect the switch

#### Sample connections



1. Connect devices to the RJ-45 ports (XS508 ports 1-8 or XS516 ports 1-16) on the switch front panel. Use Category 5e (Cat 5e) Ethernet cables terminated with RJ-45 connectors to make 1G, 2.5G, and 5G connections. For 10G connections, use Cat 6a or higher rated Ethernet cables terminated with RJ-45 connectors.
2. Connect one port on the switch to a network that includes a DHCP server such as a router.
 

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

To use an SFP+ port, you must insert an SFP+ transceiver module, which you can purchase from NETGEAR.
3. 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 192.168.0.239.)

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

### Step 2: Discover the switch in your network

Use one of two options to discover and manage the switch: Add the switch to a NETGEAR Insight managed network, or set it up as a locally managed standalone switch. Follow the procedure for your preferred network setup.

Insight setup	Option A: Use the NETGEAR Insight app Insight subscribers can use the Insight app for onsite discovery.
Standalone setup	Option B: Use the NETGEAR Switch Discovery Tool Use the NETGEAR Switch Discovery Tool.

#### Option A: Use the NETGEAR Insight app

This procedure assumes that you are already a NETGEAR Insight subscriber and want to add the switch to an Insight managed network behind a router.

You can use the Insight app on a mobile device and scan the QR code or bar code to add the switch to Insight, or use the Insight Cloud Portal to manually enter the switch's serial number and MAC address. This procedure describes how to use the Insight app.

After you discover and add the switch to the Netgear Insight app, we recommend that you connect a computer directly to the switch or to the network on which you installed the switch to complete set up. If you connect an access point to the switch, you can also use a tablet to connect to the switch.

**CAUTION:** If you add the switch to Insight before connecting it to power for the first time, wait 10 minutes to allow the default login credentials to be replaced by the Insight network location credentials.

#### A1: Use the NETGEAR Insight app to discover and register the switch

1. If you did not yet install the Insight app, visit the app store on your mobile device, search for NETGEAR Insight, and download the Insight app.
2. Open the Insight app, enter the email address and password for your NETGEAR account, and tap **LOG IN**.
3. Use one of the following methods to add and discover the switch:
  - **Method 1: Your switch and mobile device are connected to the same network**  
Your switch and its IP address display in the Devices list. Do the following:
    - a. Select the switch or tap **Unclaimed**.
    - b. On the next screen, tap **ADD DEVICE**.  
If the switch does not display in the devices list, tap **+** in the upper-right corner, and tap **Scan Network**. If the switch still does not display, use Method 2.
  - **Method 2: Your switch and mobile device are not connected to the same network**  
Your switch and its IP address do not display in the devices list. Do the following:
    - a. Tap **+** in the upper-right corner.
    - b. Either use the camera on your mobile device to scan the bar code or QR code, or type in the serial number and MAC address.
4. Follow the onscreen prompts to finish registering the switch.
5. If you want to manage the switch with NETGEAR Insight, do the following:
 

At the **NETGEAR Insight Cloud Portal or Insight app** prompt, tap **Manage with Insight**. Then, continue with [A2: Change the switch management mode to NETGEAR Insight](#).

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## A2: Change the switch management mode to NETGEAR Insight

By default, the management mode of the switch is set to Directly Connect to Web Browser Interface, which lets you manage the switch from its device user interface (UI). To manage the switch remotely from the cloud with the NETGEAR Insight Cloud Portal or Insight app, you must change the management mode in the device UI.

- Open a web browser from a computer or tablet connected to the same network as your switch. You can use a wired or WiFi connection.
- In the address field of your web browser, type the IP address of the switch. The switch IP address displays in the Devices list of the Insight app (see [A1: Use the NETGEAR Insight app to discover and register the switch](#)). Because you already registered the switch with NETGEAR, the device UI login page displays.
- Enter the default device admin password, which is **password**, and click the **Login** button. If you already added the switch to an Insight network location, enter the Insight network password for the network location.
- If the Change Default Password page displays, set and confirm a new device admin password, click the **Apply** button, and log in again using your new password. The System Information page displays.
- Select the **NETGEAR Insight Mobile App and Insight Cloud Portal** radio button.
- In the pop-up window, click the **OK** button.
- Click the **Apply** button.
- In the pop-up window, click the **OK** button. Your settings are saved.

You now must manage the switch using the NETGEAR Insight Cloud Portal or Insight app. We recommend that you use the Insight Cloud Portal.

 **NOTE:** You can still log in to the device UI and access a limited menu, but instead of the device admin password, you now must enter the Insight network password for the Insight network location to which you added the switch.

## Option B: Use the NETGEAR Switch Discovery Tool

You can use the NETGEAR Switch Discovery Tool on a Mac or Windows-based computer connected to the same network as the switch to discover the switch IP address in your network. To download this tool, visit [netgear.com/support/product/netgear-switch-discovery-tool.aspx](https://netgear.com/support/product/netgear-switch-discovery-tool.aspx).

After discovering the IP address of your switch, continue with [Standalone setup: Log in to the switch device UI](#).

## Standalone setup: Log in to the switch device UI

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).

- Open a web browser from a computer or tablet connected to the same network as your switch. You can use a wired or WiFi connection.
- In the address field of your web browser, type the switch IP address. To discover the IP address of the switch, see [Option B: Use the NETGEAR Switch Discovery Tool](#). You can also use the NETGEAR Insight app the discover the switch IP address only (see [A1: Use the NETGEAR Insight app to discover and register the switch](#)). The login page displays.
- Enter the default device admin password, which is **password**, and click the **Login** button. If you already added the switch to an Insight network location, enter the Insight network password for the network location.

- If the Change Default Password page displays, set and confirm a new device admin password, click the **Apply** button, and log in again using your new password.

The System Information page displays. You can now manage the switch.

For more information about managing the switch from the device UI, see the user manual, which you can download by visiting [www.netgear.com/support/download](https://www.netgear.com/support/download) and entering your model number.

If you did not yet register your switch, we recommend that you visit [my.NETGEAR.com](https://my.NETGEAR.com), and register your switch.

## Supported Modules: Transceivers and DACs

The switch supports the following transceiver modules and Direct Attach Cables (DACs), which you can purchase from NETGEAR.

Model	Description
<b>1G Fiber SFP Transceivers</b>	
AGM731F	NETGEAR 1000BASE-SX SFP LC Transceiver (multimode, 1000m OM4, 550m OM3 50/125µm, 275m OM2/OM1 62.5/125µm)
AGM732F	NETGEAR 1000BASE-LX SFP LC Transceiver (single mode, 10km 9/125µm)
<b>1G Copper SFP Transceiver</b>	
AGM734	NETGEAR 1000BASE-T SFP RJ45 Transceiver
<b>10G SFP+ Direct Attach Cables (DACs)</b>	
AXC761	NETGEAR 10G SFP+ to SFP+ 1-Meter Passive Direct Attach Cable
AXC763	NETGEAR 10G SFP+ to SFP+ 3-Meter Passive Direct Attach Cable
<b>10G Fiber SFP+ Transceiver</b>	
AXM761	NETGEAR 10GBASE-SR SFP+ LC Transceiver (multimode, 550m OM4, 300m OM3 50/125µm, 33m OM2/OM1 62.5/125µm)
AXM762	NETGEAR 10GBASE-LR SFP+ LC Transceiver (single mode, 10km 9/125µm)
AXM763	NETGEAR 10GBASE-LRM SFP+ Transceiver 10GBASE-LRM (Long range, multimode)
AXM764	NETGEAR 10GBASE-LR LITE SFP+ LC Transceiver (single mode, 2km 9/125µm)
<b>10G Copper SFP+ Transceiver</b>	
AXM765	NETGEAR 10GBASE-T SFP+ RJ45 Transceiver (80m CAT6A)

## Support and Community

Visit [netgear.com/support](https://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](https://community.netgear.com).

## Regulatory and Legal

Si ce produit est vendu au Canada, vous pouvez accéder à ce document en français canadien à [netgear.com/support/download/](https://netgear.com/support/download/). (If this product is sold in Canada, you can access this document in Canadian French at [netgear.com/support/download/](https://netgear.com/support/download/).)

For regulatory compliance information including the EU Declaration of Conformity, visit [netgear.com/about/regulatory/](https://netgear.com/about/regulatory/). See the regulatory compliance document before connecting the power supply.

For NETGEAR's Privacy Policy, visit [netgear.com/about/privacy-policy](https://netgear.com/about/privacy-policy).

By using this device, you are agreeing to NETGEAR's Terms and Conditions at [netgear.com/about/terms-and-conditions](https://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 switch outdoors.

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.