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NETGEAR WAX218-100NAS

NETGEAR WAX218-100NAS WiFi 6 AX3600 PoE+ Access Point User Manual

Model: WAX218-100NAS

1. Product Overview

The NETGEAR WAX218-100NAS is a high-performance WiFi 6 (802.11ax) access point designed for business environments. It provides fast and reliable wireless connectivity with speeds up to 3.6 Gbps, supporting a large number of client devices and offering extensive coverage.

This access point features Power over Ethernet Plus (PoE+) for flexible deployment and simplified installation, requiring only a single Ethernet cable for both power and data. It is ideal for small to medium-sized businesses, retail stores, and offices seeking to upgrade their wireless infrastructure to the latest WiFi 6 standard.



Figure 1: Front view of the NETGEAR WAX218-100NAS WiFi 6 Access Point. This image displays the sleek, white design of the access point with the NETGEAR BUSINESS logo and indicator lights visible on the front panel.



Figure 2: Key features of the WAX218 Dual-Band WiFi 6 Access Point. This graphic highlights its capabilities, including up to 3.6 Gbps streaming speed, support for a maximum of 256 client devices, and approximately 2,000 sq. ft. of coverage. Note that the power adapter is not included.

2. Package Contents

Verify that your package contains the following items:

- NETGEAR WAX218-100NAS WiFi 6 AX3600 PoE+ Access Point
- Mounting bracket
- Wall-mount screws and anchors
- Installation guide

Note: A power adapter (model PAV12V) is sold separately if PoE+ is not used for power.

3. Setup and Installation

3.1 Powering the Access Point

The WAX218-100NAS can be powered using Power over Ethernet Plus (PoE+) or an optional AC adapter.

- **PoE+ (Recommended):** Connect an Ethernet cable from a PoE+ switch or PoE+ injector to the LAN/PoE+ port on the access point. This provides both power and data connectivity.
- **AC Adapter (Optional):** If PoE+ is not available, connect an optional NETGEAR PAV12V power adapter (sold separately) to the power input port on the access point.

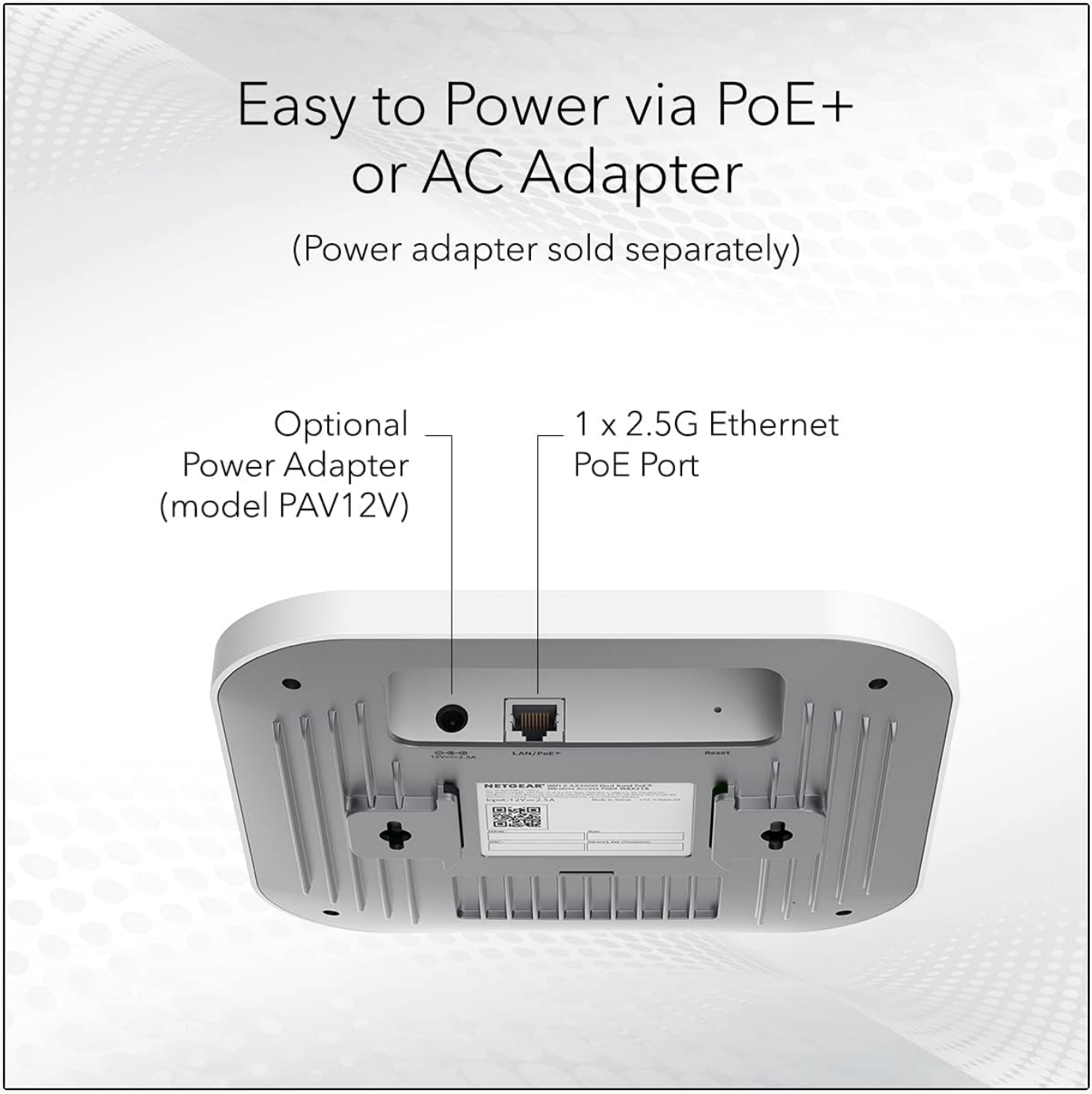


Figure 3: Bottom view of the WAX218-100NAS showing the LAN/PoE+ port and the optional power adapter input. This image illustrates the connectivity options for powering the device.

3.2 Mounting the Access Point

The WAX218-100NAS can be mounted on a wall or ceiling for optimal performance and coverage.

1. Choose a central location free from obstructions for best WiFi coverage.

2. Use the included mounting bracket as a template to mark drill holes on the wall or ceiling.
3. Drill the holes and insert the wall anchors if necessary.
4. Secure the mounting bracket to the surface using the provided screws.
5. Align the access point with the mounting bracket and twist to lock it into place.



Figure 4: The NETGEAR WAX218-100NAS mounted on a wall in a business setting. This image demonstrates the discreet and professional appearance of the access point when installed.

4. Operating the Access Point

4.1 Initial Configuration

After powering on, the access point will broadcast a default WiFi network. Connect a computer or mobile device to this network to access the web-based management interface.

1. Connect your device to the default WiFi network (SSID and password typically found on a label on the device or in the quick start guide).
2. Open a web browser and navigate to the default IP address (e.g., http://192.168.0.100 or http://www.routerlogin.net). Refer to the quick start guide for the exact default IP and login credentials.
3. Follow the on-screen prompts to change the default administrator password, configure your WiFi network name (SSID), and set a strong password.

4.2 Advanced Features

The WAX218-100NAS supports various advanced features for network management and security:

- **Multiple SSIDs:** Create separate WiFi networks for different departments or guest access.
- **VLAN Tagging:** Segment network traffic for enhanced security and performance.
- **WPS (WiFi Protected Setup):** Easily connect WPS-compatible devices to your network.
- **Client Isolation:** Prevent connected devices on the same SSID from communicating with each other.



Figure 5: Diagram illustrating the ability to separate and control devices to meet security and performance needs. This shows how the WAX218 can manage different types of network traffic, such as for Work, Entertainment & Video, Smart Devices, and Guests.

5. Maintenance

Regular maintenance ensures optimal performance and longevity of your access point.

- **Firmware Updates:** Periodically check the NETGEAR support website for the latest firmware updates. Updating firmware can improve performance, add new features, and fix security vulnerabilities.
- **Cleaning:** Gently wipe the exterior of the access point with a soft, dry cloth. Do not use liquid cleaners or aerosols.
- **Environmental Conditions:** Ensure the access point is operating within its specified temperature and humidity ranges. Avoid placing it in direct sunlight or near heat sources.
- **Restart:** If you experience minor network issues, try restarting the access point by disconnecting and reconnecting its power source.

6. Troubleshooting

Problem	Possible Cause	Solution
No power indicator light	No power supply or faulty cable.	Ensure the Ethernet cable is properly connected to a PoE+ source, or the AC adapter is securely plugged in. Test with a different cable or power source if possible.
Cannot connect to WiFi network	Incorrect WiFi password, SSID not broadcasting, or device out of range.	Verify the WiFi password. Check if the SSID broadcast is enabled in the access point settings. Move closer to the access point. Restart the access point and your device.
Slow WiFi speed	Interference, too many connected devices, or outdated firmware.	Relocate the access point away from sources of interference (e.g., microwaves, cordless phones). Limit the number of active devices. Update the access point firmware.
Cannot access management interface	Incorrect IP address, network configuration issue, or browser cache.	Ensure your device is connected to the access point's network. Clear your browser's cache and cookies. Try a different browser. Verify the access point's IP address. If all else fails, perform a factory reset (see below).

6.1 Factory Reset

If you encounter persistent issues or forget your login credentials, you can perform a factory reset. This will revert all settings to their default values.

1. With the access point powered on, locate the Reset button (usually a small pinhole) on the device.
2. Use a paperclip or similar pointed object to press and hold the Reset button for approximately 10 seconds.
3. Release the button. The access point will restart with factory default settings.

7. Specifications

Feature	Detail
Model	WAX218-100NAS
Wireless Standard	WiFi 6 (802.11ax)
Wireless Speed	Up to 3.6 Gbps (AX3600)
Frequency Bands	Dual-Band (2.4 GHz and 5 GHz)
Ethernet Ports	1 x 2.5G Ethernet (LAN/PoE+)
Power Options	PoE+ (802.3at) or optional AC Adapter (PAV12V)
Max Client Devices	Up to 256
Coverage Area	Up to 2,000 sq. ft.
Dimensions (L x W x H)	24.69 x 24.69 x 8.71 cm (approx. 8.11 x 8.11 x 1.37 inches)

Feature	Detail
Weight	1.08 kg
Operating System	RouterOS (for management)
Special Features	WPS, Multiple SSIDs, VLAN Tagging, Client Isolation

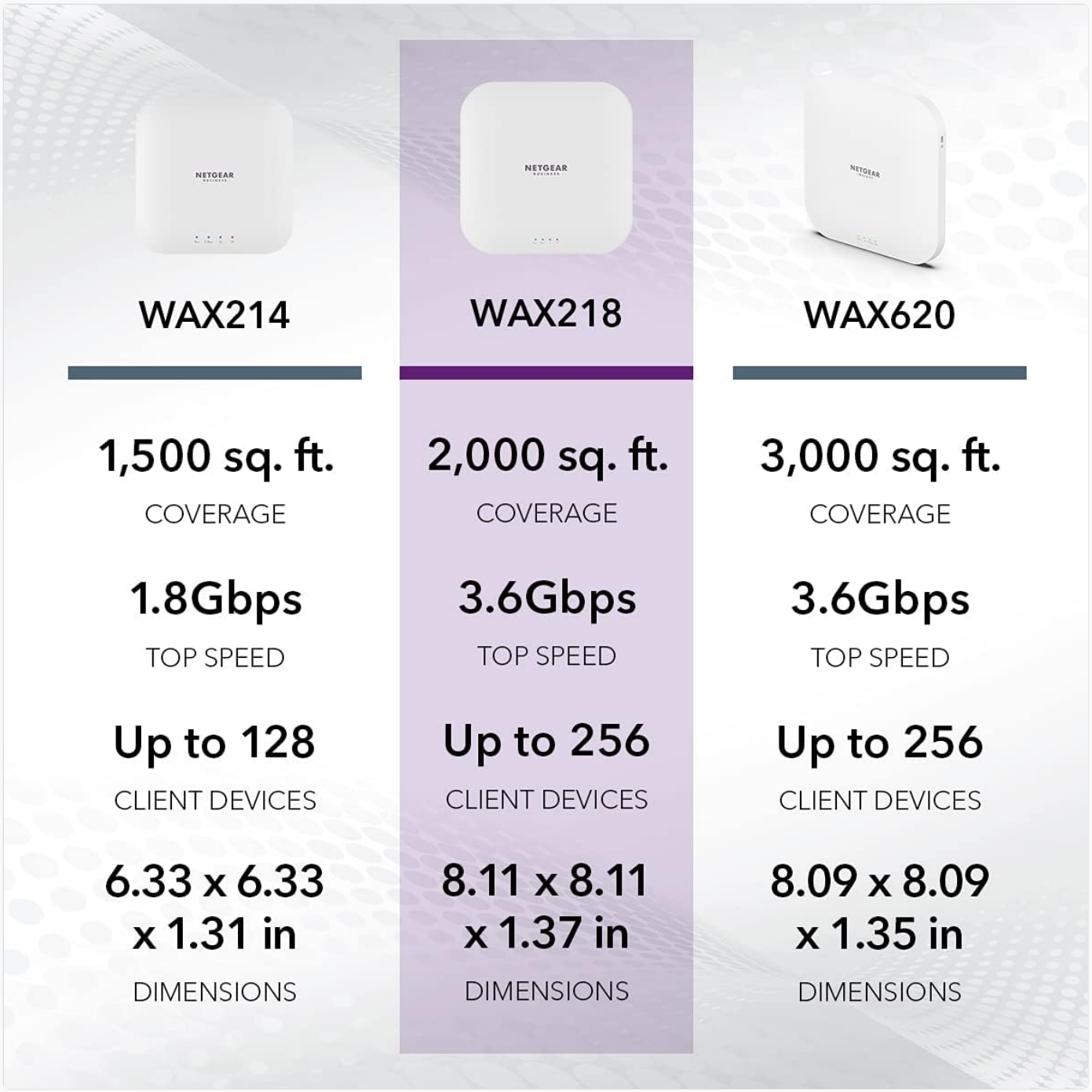


Figure 6: A comparison table detailing the specifications of WAX214, WAX218, and WAX620 models. This highlights the WAX218's coverage, speed, client device capacity, and physical dimensions relative to other models in the series.

8. Warranty Information

NETGEAR products are backed by a limited hardware warranty. The exact duration and terms of the warranty may vary by region and product type. Please refer to the official NETGEAR website or the warranty card included with your product for detailed information.

To register your product and activate your warranty, visit the NETGEAR support portal.

9. Support

For technical support, product registration, and additional resources, please visit the official NETGEAR support website:

www.netgear.com/support/

You can find FAQs, troubleshooting guides, firmware downloads, and community forums to assist you with your NETGEAR WAX218-100NAS access point.

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Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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