



WiFi 6 high performance PoE Powered wireless connectivity for Small Office and Home Office

The NETGEAR WiFi 6 AX1800 PoE Wireless Access Point (AP) delivers 802.11ax high performance wireless connectivity for Small Office and Home Office (SOHO) deployments and supports

dual band concurrent WiFi 6 operations at 2.4GHz and 5GHz with a combined throughput of 1.8Gbps (600Mbps at 2.4GHz and 1200Mbps at 5GHz). The WAX214 WiFi 6 Access Point provides

standalone configuration with easy setup for a reliable, WiFi 6 802.11ax high performance, and cost effective wireless solution.

The WAX214 can be powered by Power-over-Ethernet or a DC power adapter.

Features

Easy to Configure

- Simple setup in minutes with intuitive Graphical User Interface (GUI)
- Comprehensive monitoring and management through a local web portal user interface

802.11ax high performance and superior coverage

- WiFi 6 802.11ax technology
- Dual band concurrent operation between 2.4GHz and 5GHz frequency ranges
- Maximize coverage for optimal deployment for SOHO

Comprehensive security

- Supports wireless security features (WPA, WPA2 and WPA3)
- MAC based Access Control List to protect against intruders

Convenient Deployment

- Hardware harness included for easy ceiling and wallmount installation
- Flexible options for power source, either by a DC power adapter (included in the WAX214PA model only) or by a PoE Ethernet switch

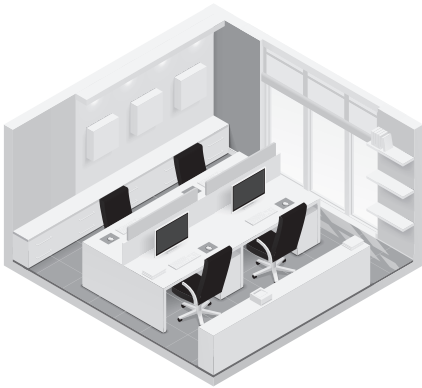
Interoperate with both new and legacy clients

- Support latest WiFi 6 802.11ax wireless clients to achieve maximum speed
- Backward compatible to allow legacy devices to connect at their fastest speed



Sample Deployment Use Cases

WAX214 Deployment Scenario



Micro Business



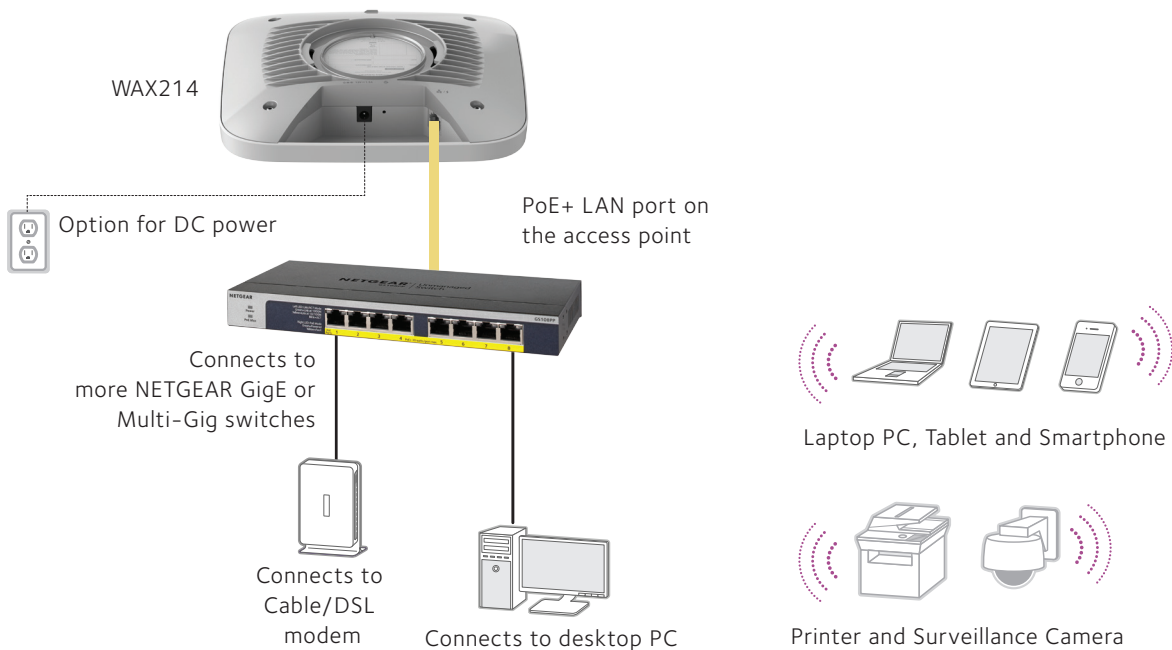
Dental Offices



Car Repair Shop

Example Application

WAX214 Deployment Scenario



Technical Specifications

Physical Characteristics

Power Supply 12V/1.5A (18W) Power adapter (included with WAX214PA model only) or PoE+ Switch

Physical Specifications

Dimensions (W x D x H) 7.71x7.71x1.74 in
(196x196x44.4 mm)

Weight 1.15lb (523g)

Mounting options Ceiling or Wall mount

Network Interfaces

Ethernet Ports One (1) 10/100/1000Mbps Ethernet (RJ-45) PoE port with Auto Uplink™ (Auto MDI-X)

Buttons

Hardware Buttons Default Reset

LEDs 4 LEDs (Power, LAN, 2.4GHz, 5GHz)

Environmental Specifications

Operating Temperature 0° to 40°C (32° to 104°F)

Storage Temperature -40° to 70°C

Operating Relative Humidity 5% to 95%

Storage Humidity 5% to 95%

MTBF @ 25°C > 1,896,453 hours
@ 45°C > 378,702 hours

Safety Certification CB, EN60950, EN62368

RF Characteristics

Standards IEEE 802.11ax
IEEE 802.11ac specification
IEEE 802.11n 2.0 specification
IEEE 802.11g
IEEE 802.11b
IEEE 802.11a

Frequency Band 2.4GHz and 5GHz concurrent operation

Maximum Theoretical Throughput 573.5Mbps (2.4GHz)
1201Mbps (5GHz)

Maximum Number of Clients 128 (2.4GHz 64; 5GHz 64)

Network Management

Deployment options Standalone Web UI

Access Point Antenna: 3 dBi (2.4GHz)
4 dBi (5GHz)

Security WiFi Protected Access (WPA2/WPA3)
MAC Address filtering
4 SSID

Technical Specifications

Network Management	
MAC ACL	Yes
VPN Pass-through	No
802.11e WMM	Wireless multimedia mode for QoS
Simultaneous Bridge/Client Association	No
Warranty and Support	
Hardware Limited Warranty	3 years
Next-Business-Day (NBD) Replacement	Yes
Technical support (online, phone)	90 days free from date of purchase*
ProSUPPORT OnCall 24x7 Service Packs**	Category S2 PMB0S12 (1 yr) PMB0S32 (3 yrs) PMB0S52 (5 yrs)
Package Contents	
WAX214	WiFi 6 AX1800 Dual-band PoE Wireless Access Point Wall/ceiling mount kit Installation guide Warranty/support information card Power adapter, available in WAX214PA-100NAS SKU and WAX214PA-200CNS only
Ordering Information	
WAX214-200CNS (DC power adapter not included)	Canada
WAX214PA-200CNS (DC power adapter included)	Canada
WAX214-200EUS (DC power adapter not included)	Europe and Selected Countries
WAX214-200NAS (DC power adapter not included)	United States
WAX214PA-200NAS (DC power adapter included)	United States

*This product comes with a limited warranty that is valid only if purchased from a NETGEAR authorized reseller, and covers unmodified hardware, fans and internal power supplies - not software or external power supplies, and requires product registration within 90 days of purchase; see <https://www.netgear.com/about/warranty> for details. Intended for indoor use only.

**The NETGEAR OnCall 24x7 contract provides unlimited phone, chat and email technical support for your networking product.

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