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

- Block unwanted sites and services

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
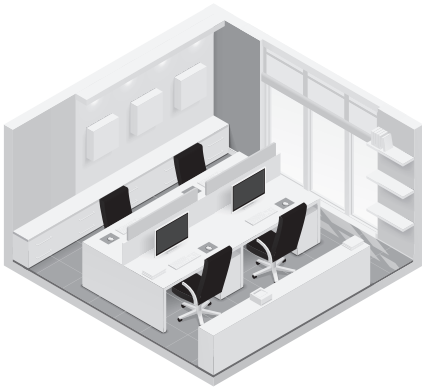
Interoperate with both new and legacy clients

- Support latest WiFi 6 802.11ax wireless clients to achieve maximum speed

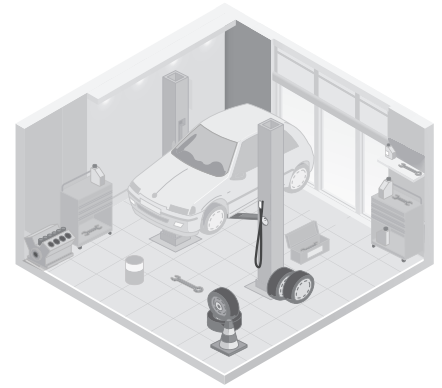- Backward compatible to allow legacy devices to connect at their fastest speed

3 YEAR WARRANTY
Hardware Warranty

Sample Deployment Use Cases

WAX214 Deployment Scenario

Micro Business

Dental Offices

Car Repair Shop

Example Application

WAX214 Deployment Scenario

WAX214

Option for AC power

Connects to
Insight Managed or
other NETGEAR GigE or
MultiGig switch

Connects to
Cable/DSL modem

Connects to desktop PC

PoE+ LAN port on
the access point

Laptop PC, Tablet and Smartphone

Printer and Surveillance Camera
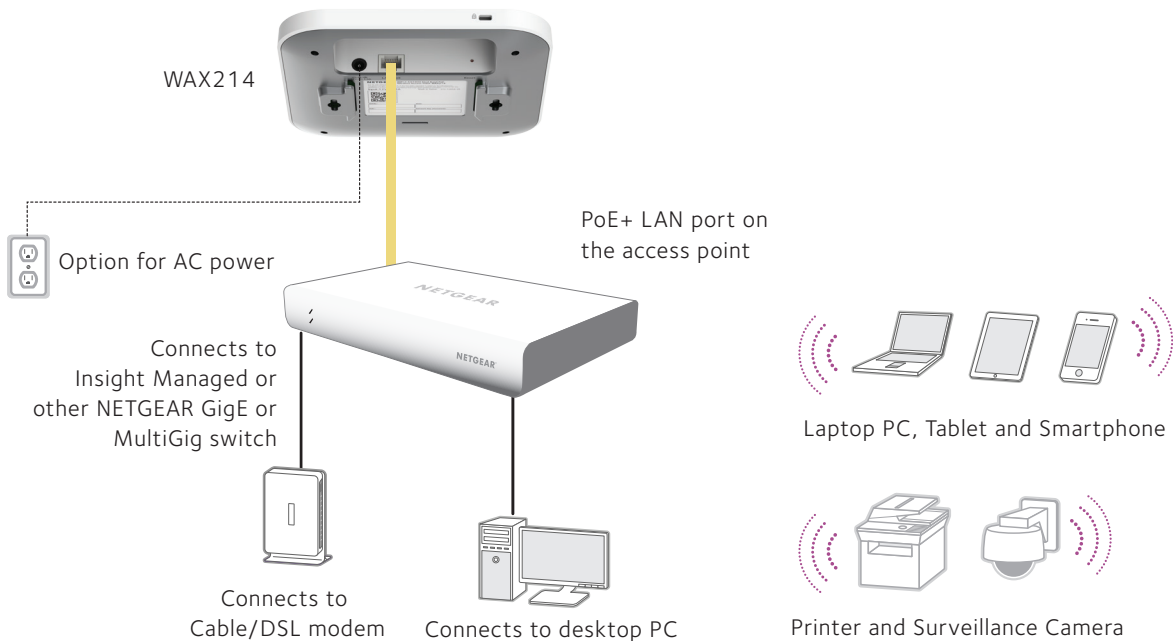
Technical Specifications

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

Physical Specifications	
Dimensions (L x W x H)	6.33 x 6.33 × 1.31 in 160.9 × 160.9 x 33.28 mm
Weight	0.84lb (380g)
Mounting options	Ceiling or Wallmount

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

Buttons	
Hardware Buttons	Default Reset
LEDs	4 LEDs (Power, LAN, 2.4GHz, 5GHz)

Environmental Specifications	
Operating Temperature	0C to 40C (32F to 104F)
Storage Temperature	-40 to 70C
Operating Relative Humidity	95%
Storage Humidity	5-95%
MTBF	@ 25C > 1,896,453 hours @ 45C > 378,702 hours
Safety Certification	CB, EN60950, EN62368

RF Characteristics	
Standards	IEEE 802.11ac specification IEEE 802.11n 2.0 specification IEEE 802.11g IEEE 802.11b IEEE 802.11a IEEE 802.11ax
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 128)

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 Wireless AP (WAX214) Ethernet cable Installation guide Warranty/support information card Power adapter, available in WAX214PA-100NAS SKU only

Ordering Information	
WAX214-100NAS (DC Power adapter not included)	United States
WAX214PA-100NAS (Power adapter included)	United States
WAX214-100EUS (DC Power adapter not included)	Europe and Selected Countries

*This product comes with a limited warranty that is valid only if purchased from a NETGEAR authorized reseller, and covers unmodifi ed hardware, fans and internal power supplies – not software or external power supplies, and requires product registration using the Insight mobile app or Insight Cloud portal 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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