



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

The NETGEAR WiFi 6 AX3600 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 3.6Gbps (1200Mbps at 2.4GHz and 2400Mbps at 5GHz). The WAX218 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 WAX218 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 4x4 (transmit x receive) 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 WAX218PA model only) or by a PoE Ethernet switch

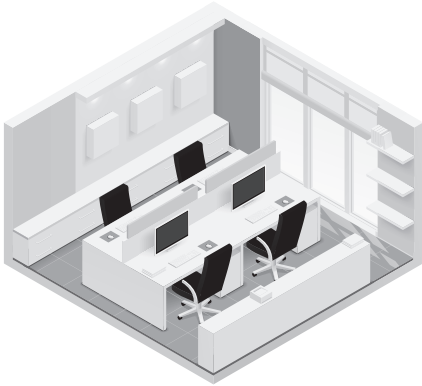
Interoperate with both new and legacy clients

- 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

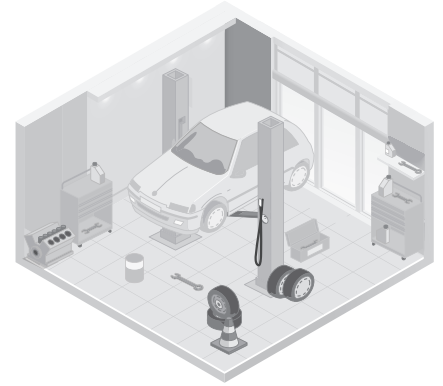
WAX218 Deployment Scenario



Micro Business



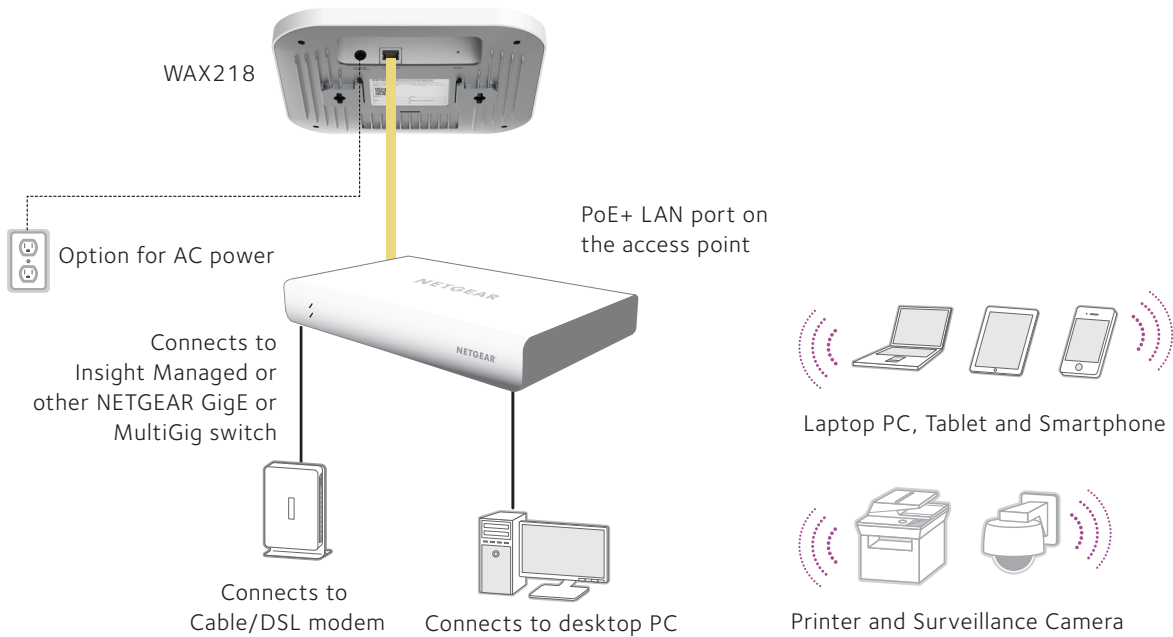
Dental Offices



Car Repair Shop

Example Application

WAX218 Deployment Scenario



Technical Specifications

Physical Characteristics

Power Supply 12V/2.5V (30W) Power adapter (included with WAX218PA model only) or PoE/PoE+ Switch

Physical Specifications

Dimensions (L x W x H) 8.11 x 8.11 x 1.37 in
205.73 x 205.73 x 34.75 mm

Weight 1.737lb (788g)

Mounting options Ceiling or Wallmount

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 > 431,098 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 1147Mbps (2.4GHz)
2402Mbps (5GHz)

Maximum Number of Clients 256 (2.4GHz 128, 5GHz 128)

Network Management

Deployment options Standalone Web UI

Access Point Antenna: 5dBi (2.4GHz), 5dBi (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 1 PMB0311 (1yr) PMB0331 (3 yrs) PMB0351 (5 yrs)
Package Contents	
WAX218	WiFi 6 AX3600 PoE Access Point (WAX218) Ethernet cable Installation guide Warranty/support information card Power adapter, available in WAX218PA-100NAS SKU only
Ordering Information	
WAX218-100NAS (DC Power adapter not included)	United States
WAX218PA-100NAS (Power adapter included)	United States
WAX218-100EUS (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 unmodified 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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