WAX220 | Datasheet
WiFi 6 AX4200 Dual-band PoE Access Point

WiFi 6

WiFi 6 high performance PoE powered wireless connectivityfor Small Office and Home Office

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 WAX220PA model only) or by a PoE Ethernet switch
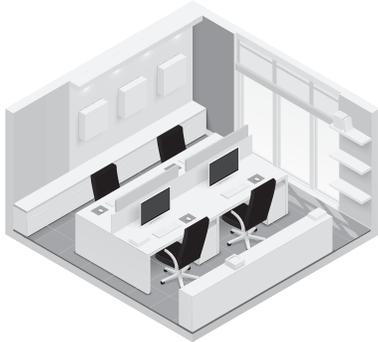
Interoperate with both new and legacy clients

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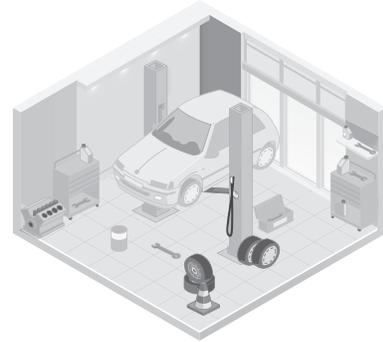- Backward compatible to allow legacy devices to connect at their fastest speed

3 YEAR WARRANTY
Hardware Warranty

90 DAY WARRANTY
Technical Support

Sample Deployment Use Cases

Micro Business

Dental Offices

Car Repair Shop

Example Application

WAX220 Deployment Scenario

WAX220

Option for DC power

PoE+ LAN port on
the access point

Connects to
more NETGEAR GigG
or Multi-Gig switches

Connects to
Cable/DSL
modem

Connects to desktop PC

Laptop PC, Tablet and
Smartphone

Printer and Surveillance
Camera
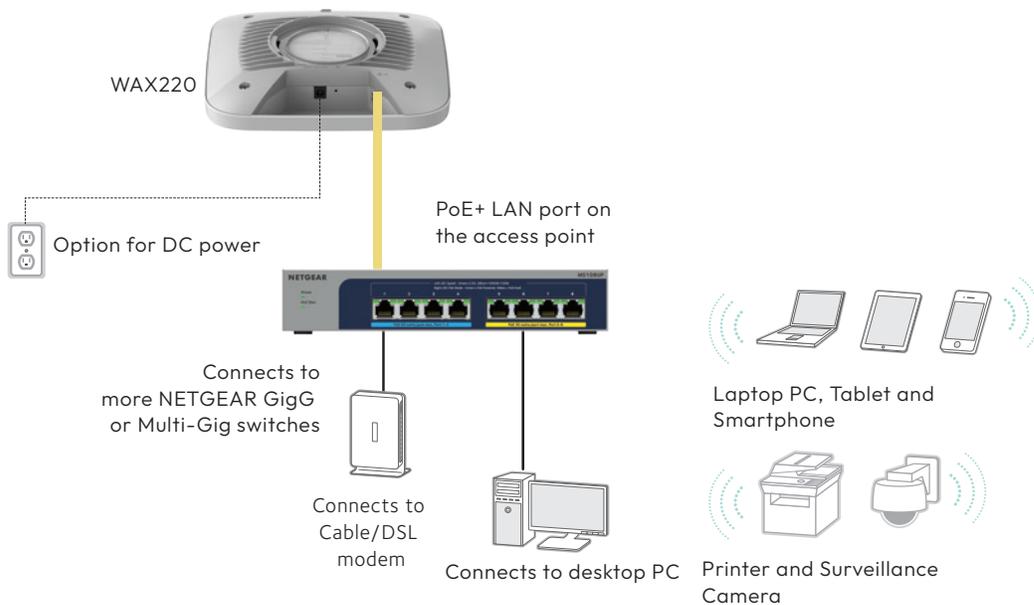
Technical Specifications

Physical Characteristics	WAX220
Power Supply	12V/2.5V (30W) Power adapter (included with WAX220PA model only) or PoE+ Switch
Power Consumption	15.2W
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) 100/1000/2500Mbps 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	600Mbps (2.4GHz) 3600Mbps (5.0GHz)
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

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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

WAX220	WiFi 6 AX4200 Dual-band Access Point with Multi-Gig PoE (WAX220) Wall/ceiling mount kit Installation guide Warranty/support information card Power adapter, available in WAX220PA-100NAS SKU only

Ordering Information

APAC	Europe and Selected Countries	United States	United States
WAX220-100APS (DC power adapter not included)	WAX220-100EUS (DC power adapter not included)	WAX220-100NAS (DC power adapter not included)	WAX220PA-100NAS (DC power adapter included)

*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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