WiFi 6 high performance wireless connectivity for Small Office and Home Office (SOHO) deployments

The NETGEAR WiFi 6 AX3200 Dual Band 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 operations at 2.4GHz and 5GHz with a combined throughput of 3.2Gbps (800Mbps at 2.4GHz and 2400Mbps at 5GHz). The WAX206 WiFi 6 Access Point provides standalone configuration with easy setup for a reliable, 802.11ax high performance, and cost effective wireless solution.

The WAX206 features a 2.5GbE uplink port for non-blocking WiFi throughput, and four gigabit Ethernet local area network ports for gigabit speed connectivity to wired devices.

Features

Easy to Configure

- Easy 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

2.5GigE Uplink Interface

- Uplink port capable of connecting to 100Mbps, 1,000Mbps and 2,500Mbps modem, router, or switches
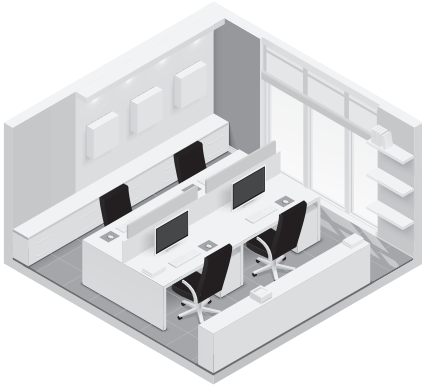
- Multi-gig connection to the network

Interoperate with both new and legacy clients

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

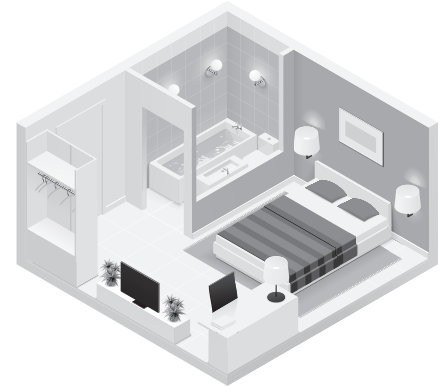- Backward compatible to allow legacy devices to connect at their fastest speed

3 YEAR WARRANTY
Hardware Warranty

Sample Deployment Use Cases

WAX206 Deployment Scenario

Small Offices

Dental Offices

Small Hotels

Example Application

WAX206 Deployment Scenario

IoT Devices

Tablet

Internet or
DSL Gateway
or Cable Modem

Desktop PC

Surveillance
Camera

Printer

Smartphone

Laptop PC

2.4GHz frequency

5GHz frequency
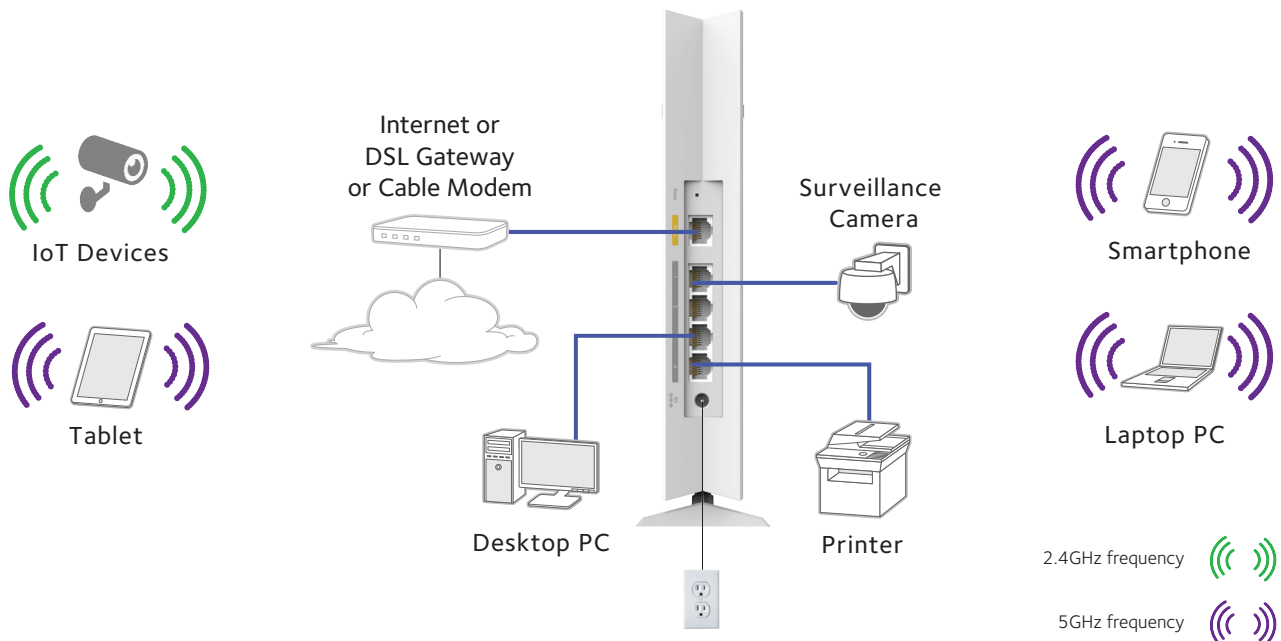
Technical Specifications

Physical Characteristics	
Power Supply	Country-specific plug: 12V/2.5A(30W)

Physical Specifications	
Dimensions (L x W x H)	6.7 x 2.5 x 9.5in (170 x 63 x 242mm)
Weight	1.1lb (504g)
Mounting options	Desktop

Network Interfaces	
Ethernet Ports	One (1) 100/1000/2500Base-T Ethernet (RJ-45) port with Auto Uplink™ (Auto MDI-X) Four (4) 100/1000Base-T Ethernet (RJ-45) port with Auto Uplink™ (Auto MDIX-X)

Buttons	
Hardware Buttons	Default Reset
LEDs	8 LEDs (Power, Internet, LAN1, LAN2, LAN3, LAN4, 2.4G, 5G)

Environmental Specifications	
Operating Temperature	0C to 40C (32F to 104F)
Storage Temperature	–20° to 70°C (–4°F to 158°F)
Operating Relative Humidity	10-90%
Storage Humidity	5-95%
Safety Certification	CB IEC60950-1, CE LVD EN62368-1

RF Characteristics	
Standards	IEEE 802.11ac IEEE 802.11n 2.0 IEEE 802.11g IEEE 802.11b IEEE 802.11a IEEE 802.11ax
Frequency Band	2.4GHz and 5GHz concurrent operation
Maximum Theoretical Throughput	800Mbps (2.4GHz) 2,400Mbps (5.0GHz)
Antenna Gain (Peak Gain)	2.4GHz: 3.5dBi 5.0GHz: 3.5dBi
Maximum Number of Clients	128: 64 for 2.4GHz; 64 for 5.0GHz

Network Management	
Deployment options	Standalone Web UI
802.11e WMM	Wireless Multimedia Mode QoS
Simultaneous Bridge/Client Association	Yes

Technical Specifications

Network Security	
Access Control	MAC Address filtering MAC ACL
VPN	VPN Pass-through
WPA	WPA/WPA2/WPA3 - WPA3 supported in access point and router modes

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 (1 yr) PMB0331 (3 yrs) PMB0351 (5 yrs)

Package Contents	
WAX206	WiFi 6 AX3200 Dual Band Wireless AP (WAX206) Ethernet cable Installation guide Power adapter, localized to country of sale Warranty/support information card

Ordering Information
WAX206-100NAS
WAX206-100EUS

*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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