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

#### 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

#### 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

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

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3 YEAR
Hardware Warranty
Sample Deployment Use Cases

**WAX214 Deployment Scenario**

- **Micro Business**
- **Dental Offices**
- **Car Repair Shop**

Example Application

**WAX214 Deployment Scenario**

- Connects to Cable/DSL modem
- Connects to desktop PC
- Connects to Insight Managed or other NETGEAR GigE or MultiGig switch
- Option for AC power
- 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 x 1.31 in  
  160.9 x 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) 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**: 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

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC ACL</td>
<td>Yes</td>
</tr>
<tr>
<td>VPN Pass-through</td>
<td>No</td>
</tr>
<tr>
<td>802.11e WMM Wireless multimedia mode for QoS</td>
<td>No</td>
</tr>
<tr>
<td>Simultaneous Bridge/Client Association</td>
<td>No</td>
</tr>
</tbody>
</table>

### Warranty and Support

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hardware Limited Warranty</td>
<td>3 years</td>
</tr>
<tr>
<td>Next-Business-Day (NBD) Replacement</td>
<td>Yes</td>
</tr>
<tr>
<td>Technical support (online, phone)</td>
<td>90 days free from date of purchase*</td>
</tr>
<tr>
<td>ProSUPPORT OnCall 24x7 Service Packs**</td>
<td>Category S2</td>
</tr>
<tr>
<td></td>
<td>PMB0512 (1 yr)</td>
</tr>
<tr>
<td></td>
<td>PMB0532 (3 yrs)</td>
</tr>
<tr>
<td></td>
<td>PMB0552 (5 yrs)</td>
</tr>
</tbody>
</table>

### Package Contents

- 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

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*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](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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