Introducing one-touch wireless visibility & management

Wireless network discovery, setup, monitoring and management can now be done from anywhere and any screen with NETGEAR Insight app or Cloud Portal.

Reliable wireless connectivity for employees and customers is a requirement for any business today. All devices are now connected, all users are mobile and “WiFi everywhere” is commonplace. Business owners are often too busy to handle this and need WiFi that just works!

NETGEAR introduces the new IT revolution for small businesses with remote visibility and control with NETGEAR Insight management solution. Experience easy set-up, remote management and full control of your wireless network. With 20 years of experience in small & medium business networking, NETGEAR is now delivering wireless connectivity that “just works” at your fingertips.

NETGEAR Insight also enables multi-device configuration of your NETGEAR Insight Managed wireless access points, either locally or remotely. It provides network management, monitoring and service deployment across multiple remote and local sites for the easiest and most user-friendly wireless networking experience. Anywhere management also includes Insight Managed switches and Business-Class ReadyNAS on top of Insight Managed Wireless Access points, enabling whole network visibility and management. Insight app also allows you discover select wired and wireless devices from your local or remote network.

Business Features for higher speed, greater coverage and higher density WiFi

- Business class WiFi with superior Wave 2 802.11ac performance and range
- 2x2 with 2 streams of data (2.4Ghz and 5Ghz) for an aggregate throughput of up to 1.2Gbps
- Multi-User Multiple In Multiple Out (MU-MIMO) avoids congestion and ensures performance in high client density deployments like public WiFi hotspots
- One PoE port (WAN port) on both models for ease of deployment.
- App managed. Faster installation through NETGEAR Insight app or Cloud Portal. No additional hardware needed.
- Market leading 5-year warranty with 24x7 chat support for peace of mind
WAC505 Deployment Scenario

WAC505

- Option for AC power
- Connects to Insight Managed or other NETGEAR switch
- Connects to Cable/DSL modem
- Connects to desktop PC
- PoE LAN port on the access point

WAC505 Deployment Scenario

WAC510 Deployment Scenario

WAC510

- Option for AC power
- Connects to Insight Managed or other NETGEAR switch with PoE
- Connects to Insight Managed or other NETGEAR switch
- Connects to Cable/DSL modem
- Connects to desktop PC
- Printer and Surveillance Camera
- Laptop PC, Tablet and Smartphone
## Product Comparison

<table>
<thead>
<tr>
<th>Features</th>
<th>WAC505</th>
<th>WAC510</th>
<th>WAC720</th>
<th>WAC730</th>
<th>WAC740</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Frequency</strong></td>
<td>2.4GHz and 5GHz</td>
<td>2.4GHz and 5GHz</td>
<td>2.4GHz and 5GHz</td>
<td>2.4GHz and 5GHz</td>
<td>2.4GHz and 5GHz</td>
</tr>
<tr>
<td><strong>Wireless Mode (Transmit x Receive)</strong></td>
<td>802.11ac (2x2)</td>
<td>802.11ac (2x2)</td>
<td>802.11ac (2x2)</td>
<td>802.11ac (3x3)</td>
<td>802.11ac (4x4)</td>
</tr>
<tr>
<td><strong>802.11ac Wave</strong></td>
<td>Wave 2</td>
<td>Wave 2</td>
<td>Wave 1</td>
<td>Wave 1</td>
<td>Wave 2</td>
</tr>
<tr>
<td><strong>Multi-User MIMO</strong></td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Maximum Theoretical Throughput</strong></td>
<td>1.2Gbps AC1200</td>
<td>1.3Gbps AC1300</td>
<td>1.2Gbps AC1200</td>
<td>1.7Gbps AC1700</td>
<td>2.3Gbps AC2300</td>
</tr>
<tr>
<td><strong>Maximum Throughput (2.4/5GHz)</strong></td>
<td>300/867Mbps (2.4/5GHz)</td>
<td>400/867Mbps (2.4/5GHz)</td>
<td>300/867Mbps (2.4/5GHz)</td>
<td>450/1300Mbps (2.4/5GHz)</td>
<td>600/1700Mbps (2.4/5GHz)</td>
</tr>
<tr>
<td><strong>Power over Ethernet (PoE) IEEE 802.3af</strong></td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes, PoE+</td>
</tr>
<tr>
<td><strong>PoE Power Consumption</strong></td>
<td>8.9 Watts</td>
<td>9.3 Watts</td>
<td>11.0 Watts</td>
<td>12.9 Watts</td>
<td>17.9 Watts</td>
</tr>
<tr>
<td><strong>Centralized Management</strong></td>
<td>Insight App, Standalone</td>
<td>Insight App, Standalone</td>
<td>Quad Mode Management (Standalone, Ensemble”, Controller, and Business Central)</td>
<td>Quad Mode Management (Standalone, Ensemble”, Controller, and Business Central)</td>
<td>Controller</td>
</tr>
<tr>
<td><strong>SNMP</strong></td>
<td>v1, v2c</td>
<td>v1, v2c</td>
<td>v1, v2c</td>
<td>v1, v2c</td>
<td>v1, v2c</td>
</tr>
<tr>
<td><strong>Secure SSH</strong></td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Secure Socket Layer (SSL)</strong></td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Router Mode</strong></td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Wireless Distribution System (WDS)</strong></td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td><strong>Repeater</strong></td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td><strong>Bridge point-to-point/multi-point</strong></td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td><strong>Simultaneous bridge &amp; wireless client association</strong></td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Antenna</strong></td>
<td>Internal 3/4dBi (2.4/5GHz)</td>
<td>Internal 3/5dBi (2.4/5GHz)</td>
<td>Internal 5/6dBi (2.4/5GHz) Three (3) External reverse SMA connectors for 2.4/5GHz antennas</td>
<td>Internal 5/6dBi (2.4/5GHz) Two (2) External reverse SMA connectors for 2.4/5GHz antennas</td>
<td>Internal 5/6dBi (2.4/5GHz) Four (4) External reverse SMA connectors for 2.4/5GHz antennas</td>
</tr>
<tr>
<td><strong>Security</strong></td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td><strong>WiFi Protected Access (WPA/WPA2), 802.11i</strong></td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td><strong>MAC address filtering with access control</strong></td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td><strong>802.1x RADIUS support with EAP TLS, TTLS, PEAP</strong></td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Rogue AP detection</strong></td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Block SSID Broadcast</strong></td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td><strong>VLAN Support</strong></td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Guest Network/Captive Portal</strong></td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Accepts external antennas</strong></td>
<td>No</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Easy ceiling mounting/wall mouting</strong></td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Bandwidth management</strong></td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Bonjour Gateway</strong></td>
<td>No</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Link Layer Discovery Protocol</strong></td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Bandsteering</strong></td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>
WAC505 Technical Specifications

**Standards**
- IEEE 802.11ac Wave 2 standard
- WMM Wireless Multimedia Prioritization
- WDS Wireless Distribution System
- Power over Ethernet (PoE) IEEE 802.3af
- Power over Ethernet (PoE) IEEE 802.3at

**Physical Specifications**
- Physical Dimensions (W x D x H): 175 x 165 x 35 mm (6.89 x 6.49 x 1.38 in)
- Weight: 256 g (0.56 lb)

**Physical Interfaces**
- One 10/100/1000BASE-T Gigabit Ethernet (RJ-45) ports with Auto Uplink™ (Auto MDI-X) supporting IEEE 802.3af or 802.3at Power over Ethernet (PoE)
- Power adapter (not included): 12V DC, 2.5A; plug is localized to country of sale
- Five (5) LED: Power, Link/ACT, LAN, 2.4GHz, 5GHz

**Security**
- WiFi Protected Access® (WPA, WPA2)
- WPA2 Enterprise supported (802.1x)
- Wireless access control to identify authorized wireless network devices
- MAC address authentication

**Network Management**
- NETGEAR Insight App Management for setup, monitoring and management
- SNMP v1, v2

**Advanced Wireless**
- Wireless Distribution System (WDS)
  - Bridge mode: Point-to-point wireless
  - Bridge mode: Point-to-multipoint wireless
  - Repeater mode

**Device detection**
- Adjusted Transmit Power Control (TPC)
- Identify type of wireless clients in the network

**Package Contents**
- (WAC505) Insight Managed Smart Cloud Wireless Access Point
- Wall/ceiling mount kit
- Installation guide

**NETGEAR Warranty**
- NETGEAR 5-year hardware warranty

**Ordering Information**
- WAC505-10000S
  - Everywhere except US and Canada
- WAC505-100NAS
  - US and Canada
- WAC505PA-100NAS
  - WAC505 with power adapter for US and Canada
- WAC505B03-10000S
  - 3 pack of WAC505 for everywhere except US and Canada
- WAC505B03-100NAS
  - 3 pack of WAC505 for US and Canada
- WAC505B05-10000S
  - 5 pack of WAC505 for everywhere except US and Canada
- WAC505B05-100NAS
  - 5 pack of WAC505 for US and Canada

**Power Adapters**
- PAV12V-100NAS
  - US and Canada
- PAV12V-100UKS
  - UK
- PAV12V-100EUS
  - Europe except UK
- PAV12V-100PRS
  - China
- PAV12V-100AUS
  - Australia and New Zealand
WAC10 Technical Specifications

Standards

- IEEE 802.11ac Wave 2 standard
- WMM Wireless Multimedia Prioritization
- WDS Wireless Distribution System
- Power over Ethernet (PoE) IEEE 802.3af
- Power over Ethernet (PoE) IEEE 802.3at

Physical Specifications

- Physical Dimensions (W x D x H): 197.32 x 197.32 x 37mm (7.75 x 7.75 x 1.45in)
- Weight: 555.5g (1.22lb)

Physical Interfaces

- Two (WAN/LAN) 10/100/1000BASE-T Gigabit Ethernet (RJ-45) ports with Auto Uplink™ (Auto MDI-X) with WAN port supporting IEEE 802.3af or 802.3at Power over Ethernet (PoE)
- Power adapter (not included): 12V DC, 2.5A; plug is localized to country of sale
- Six (6) LED: Power, Link/ACT, LAN1, LAN2, 2.4GHz, 5GHz

Security

- WPA2 Enterprise supported
- Wireless access control to identify authorized wireless network devices
- MAC address authentication

Network Management

- NETGEAR Insight App Management for setup, monitoring and management
- SNMP v1, v2

Advanced Wireless

Wireless Distribution System (WDS)

- Bridge mode: Point-to-point wireless
- Bridge mode: Point-to-multipoint wireless
- Repeater mode

Device detection

- Identify type of wireless clients in the network

Package Contents

- (WAC510) Insight Managed Smart Cloud Wireless Access Point
- Wall/ceiling mount kit
- Installation guide

NETGEAR Warranty*

- NETGEAR 5-year hardware warranty

Ordering Information

- WAC510-10000S
  Everywhere except US and Canada
- WAC510-100NAS
  US and Canada
- WAC510-10000S
  Everywhere except US and Canada
- WAC510PA-100NAS
  WAC510 with power adapter for US and Canada
- WAC510B03-10000S
  3 pack of WAC510 for everywhere except US and Canada
- WAC510B03-100NAS
  3 pack of WAC510 for US and Canada

Power Adapters

- PAV12V-100NAS
  US and Canada
- PAV12V-100UKS
  UK
- PAV12V-100EUS
  Europe except UK
- PAV12V-100PRS
  China
- PAV12V-100AUS
  Australia and New Zealand

* This product comes with a 5-year hardware limited warranty that is valid only if purchased from a NETGEAR authorized reseller, and modifications to product may void the warranty—not software or external power supplies; see http://www.netgear.com/about/warranty/ for details. Technical support includes basic phone support for 90 days from purchase date and lifetime online chat support when purchased from a NETGEAR authorized reseller. This product was tested for quality and its components may be recycled. For indoor use only.

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