**NETGEAR®**
**BUSINESS**

One powerful Mesh WiFi network in a box. No cables. Maximum WiFi coverage and 3 modes of usage.

Introducing the new WAC564 Instant Mesh Multi-mode Access Point with maximum WiFi performance and coverage with an integrated four-port Ethernet switch for optional wired connectivity.

NETGEAR Business keeps on innovating with the new Multi-mode capability of the WAC564. WAC564 can be used as:

- A Mesh extender for existing WAC540 wireless networks or another WAC564

- A powerful and feature-rich 11AC Wireless Access Point with VLAN management

- A wireless 4-port switch for instant remote wired connectivity and VLAN carry-over

This new product is the best solution for any business that needs to expand their infrastructure wireless network without the use of cables. Those hard to reach areas can now have blazing fast WiFi with Instant

Mesh technology. The WAC564, like the WAC540, has three robust 802.11ac radios (NETGEAR's patented FastLane3 Tri-band technology) to establish a strong wireless backhaul link to a nearby, compatible device such as WAC540.

Instant Mesh is the wireless connection between two or more devices to expand WiFi coverage without the use of cables and only works with WAC540s.

## Business features for higher speed, coverage, and density Wi-Fi

- Easy installation through the NETGEAR Insight management solution

- Loadbalancing: Client load balancing based on channel utilization. Advanced features for network administrator to fine tune the load balancing for their deployments via Rx RSSI and max client threshold settings.

- Bandsteering: Adaptive client band steering to help wireless client connect to the least congested wireless network.

- Mobility: Fast roaming leveraging the OKC (Opportunistic Key Caching). Supports Assisted Roaming for clients using 802.11kv.

- Max clients: Supports approximately 40 clients when in extender mode.

- Simultaneous Tri-band Wi-Fi
  - Radio 1: IEEE® 802.11b/g/n 2.4GHz 256QAM support (400Mbps)
  - Radio 2: IEEE® 802.11a/n/ac 5GHz 256QAM support (866Mbps)
  - Radio 3: IEEE® 802.11a/n/ac 5GHz 256QAM support (1733Mbps)

- Remote Cloud management and monitoring through the Insight app or Cloud Portal[1]

[1] Insight Cloud Portal is available with the Insight Premium subscription (or Insight Pro for resellers/MSP only)

Connect up to 80 users, together with VLAN Support, and expand coverage by adding more Instant Mesh devices across your business.

This new Tri-band 4x4 Wireless Mesh extender has state-of-the-art 802.11AC Wave-2 Wireless performance and management and includes NETGEAR Insight Cloud management capability.

Using either the NETGEAR Insight app or the Insight Cloud Portal, you can quickly configure your expanded network - in an instant.

NETGEAR introduces the unique Instant Mesh capability in Insight with:

- Unified Network Management of LAN and wireless mesh

- Instant configuration of the Mesh access point with consistent experience

- VLAN and QoS management, all existing VLAN configurations are kept when adding the WAC564 to the existing WiFi network, instantly

With WAC564 paired to a WAC540 access point, NETGEAR introduces the unique Instant Mesh technology in Insight with:

- Unified Network Management of LAN and wireless MESH.

- Instant configuration of the Mesh extender with consistent experience.

- VLAN and QoS management, all existing VLAN configurations are kept when adding the WAC564 to the existing Wi-Fi network, instantly.

- MU-MIMO: Full MU-MIMO support. The AP can communicate simultaneously with 2 clients using its 5G 2x2 fronthaul radio, allowing a larger number of clients to be serviced simultaneously.

- Airtime fairness: Improves network performance in environments with a mix of older wireless clients (using the IEEE 802.11a, 802.11b, or 802.11n wireless standards) and newer wireless

clients (using the IEEE 802.11ac wireless standard).

- Instant Mesh: Automatically discovers and connects with NETGEAR Insight to a nearby WAC540 or WAC564 access point creating a wireless backhaul bridge.

- Instant Wi-Fi: With Insight management, WAC564 and the surrounding access points will automatically tune to best channel and Tx power based on the dynamics of Wi-Fi environments.

- Powered by DC power adapter (AC/DC power adapter included).

- 4 Gigabit ports for devices that require wired connectivity such as printers or IP Phones. VLANs also carry over from the initial WAC540-based network.

- Compact and elegant design stylishly blends into the environment.

- 5 year warranty, 90 days of chat support where available.

### Wire-free Installation
No need to run cables. Power up the WAC564 Multi-mode Access Point and it will automatically connect to the WAC540 or WAC564.

### Instant Mesh
Will automatically connect to your nearest WAC540 access point and cast a Wi-Fi umbrella with approximate 30ft/10m radius. Easy Instant Mesh configuration through NETGEAR Insight app or Cloud Portal.

### Rock-solid Backhaul
802.11AC Wave2, 4x4 radio to establish a strong wireless backhaul link with up to 1,732Gbps throughput.
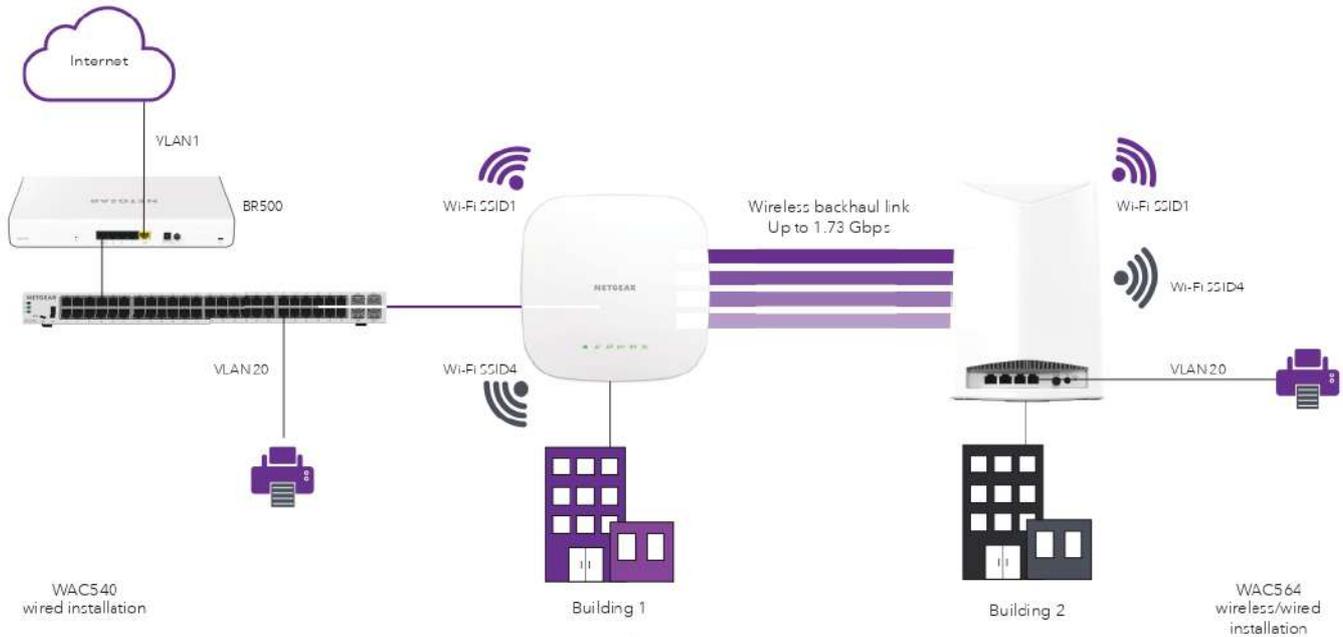
### Multi-mode
Use it as a Wireless Mesh extender, a wireless switch with 4 Gigabit ports or a powerful WiFi Access Point with VLAN management.
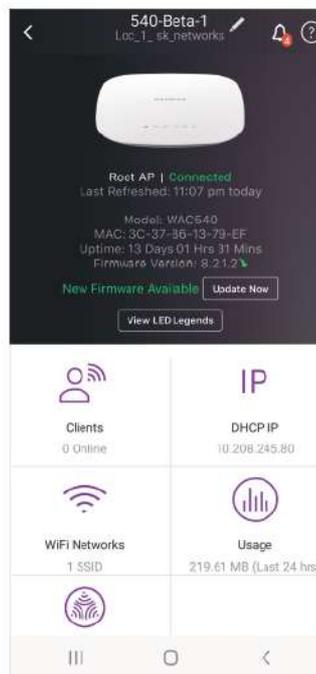
# Example Application
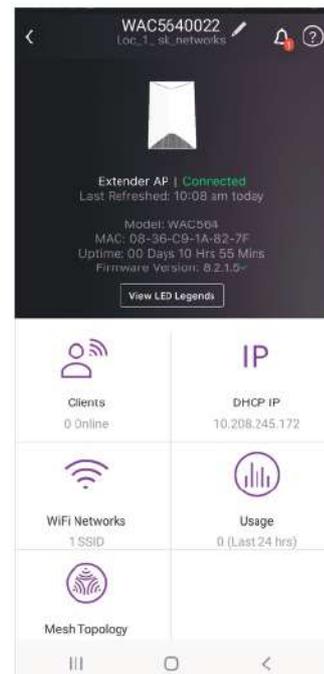
**Instant Mesh Wi-Fi, wherever you need it**



WAC564 requires the companionship of WAC540 or WAC564 as the home/root access point in extender mode or can be configured as an access point that connects to an existing router



Network Connection

Configuration

Monitoring

| Features | WAC564 |
|---|---|
| Frequency | 2.4GHz and 5GHz |
| Wireless Mode (Transmit x Receive) | 802.11ac (2x2)/ 802.11ac (4x4) |
| 802.11ac Wave | Wave 2 |
| Multi-User MIMO | Yes |
| Maximum Theoretical Throughput | 3Gbps AC3000 |
| Maximum Throughput (2.4/5GHz) | 400/867/1733Mbps (2.4/5/5GHz) |
| Centralized Management | Standalone - Insight app/Cloud Portal |
| SNMP | v1, v2c |
| Secure Socket Layer (SSL) | Yes |
| Router Mode | No |
| Repeater | Yes |
| Bridge point-to-point/multi-point | Yes |
| Separate bridge and access point | Yes |
| Antenna | Internal 3/4dBi (2.4/5GHz) |
| Wi-Fi Protected Access (WPA/WPA2), 802.11i | Yes |
| MAC address filtering with access control | Yes |
| 802.1x RADIUS support with EAP TLS, TTLS, PEAP | Yes |
| Rogue AP detection | Yes |
| Block SSID Broadcast | Yes |
| VLAN Support | Yes |
| Guest Network/Captive Portal | Yes |
| Easy ceiling mounting/wall mouting | Yes |
| Bandwidth management | Yes |
| Link Layer Discovery Protocol | Yes |
| Bandsteering | Yes |
| Airtime fairness | Yes |
| Loadbalancing | Yes |
| Centralized Auto Tx Power and Auto Channel configuration done by Insight Instant Wi-Fi | Yes |
| Mobility: OKC for Layer 2 fast roaming | Yes |
| Max clients | Yes (Supports approximately 40 wireless clients) |
| Dual Ethernet | Yes |
| Gigabit Ethernet Ports | 4 |

## Technical Specification

| | |
|---|---|
| What do I need for WAC564 Mesh Extender to work? | At least one WAC540 access point with wired backhaul connection in extender mode -SOLD SEPARATELY A router to connect the WAC564 in access point mode |
| AC3000 Mesh Extender | 1,733 + 866 + 400Mbps† |
| Tri-band Wi-Fi Mesh System | Front haul Radio 1: IEEE® 802.11b/g/n   2.4GHz–256QAM support Front haul Radio 2: IEEE® 802.11a/n/ac   5GHz–256QAM support Backhaul Radio 3: IEEE® 802.11a/n/ac   5GHz–256QAM support |
| High-performance antennas with high-power amplifiers | Six (6) |
| Implicit/Explicit Beamforming for 2.4 & 5GHz bands | 1,733 + 866 + 400Mbps† |
| MU-MIMO capable for simultaneous data streaming to multiple devices | Yes |
| Gigabit LAN Ethernet ports | Four (4) 10/100/1000Mbps |

## Standards

| | |
|---|---|
| IEEE 802.11ac Wave 2 standard | Yes |
| WMM Wireless Multimedia Prioritization | Yes |
| WDS Wireless Distribution System | Yes |

## Security

| | |
|---|---|
| WPA/WPA2-PSK support | Yes |
| Support WPA-enterprise Radius server configuration for both security and accounting | Yes |

## Physical Specifications

| | |
|---|---|
| Dimensions (W x D x H) | 6.8 x 3.3 x 9.7 in (174 x 85 x 247 mm) |
| Weight | 2.06lb (0.93kg) |

## Network Management

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

## Advanced Wireless

| | |
|---|---|
| Wireless Distribution System (WDS) | Bridge mode: Point-to-point wireless Bridge mode: Point-to-multipoint wireless Repeater mode Adjustable Transmit Power Control (TPC) |
| Device detection | Identify type of wireless clients in the network |

## Warranty and Support

| | |
|---|---|
| Hardware Limited Warranty* | 5-year with Next Business Day (NBD) hardware replacement |
| ProSUPPORT® 90-days Chat Technical Support | Remote diagnostics performed by our technical experts for prompt resolution of technical issues |
| ProSUPPORT 90 days (24/7) Live Phone Technical Support | During business hours |

## Package Contents

| | |
|---|---|
| All models | One (1) WAC564 Mesh Multi-Mode Access Point |
| | One (1) wall mount with screws |
| | One (1) ceiling mount with screws |
| | One (1) 12V/3.5A power adapter |
| | Installation guide |

## Ordering Information

WAC564-100NAS

WAC564-100CNS

WAC564-100EUS

WAC564-100AUS

WAC564-100JPS

## ProSUPPORT

| | |
|---|---|
| ProSUPPORT OnCall 24x7 | PMB0311-10000S, 1-year contract |
| | PMB0331-10000S, 3-year contract |
| | PMB0351-10000S, 5-year contract |

**24/7** **TECHNICAL SUPPORT**
90-day complimentary technical support[1]
www.NETGEAR.com/support

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