



Powerful Mesh WiFi system.
Single cable.
Whole office coverage

The new Instant Mesh Multi-mode WAC564 Access Point offers small and medium sized business the industry's highest performance, most efficient and scalable wireless mesh solution to expand your existing WiFi network across another room or even another building with a single Ethernet cable connection.

Insight, a management tool from NETGEAR Business, monitors and maintains the WAC564 from the Insight mobile app or the Insight web portal, locally and remotely.

The WAC564 may be configured in two modes of operation:

- A mesh extender for an existing WAC540 or WAC564 wireless network, configured by Instant Mesh, an industry leading innovation from Insight
- An AC3000 tri-band 11AC Wireless Access Point

Compared against another member of the WAC500 product series, WAC540, WAC564 features a four-port integrated gigabit Ethernet switch, enabling local gigabit speed switching between desktop computers, servers, network storages, printers and other wired devices.

Managed by Insight, a management tool operated from a mobile app or a web portal, the WAC540 and WAC564, in conjunction or independently, can be most effectively used in the following applications:

- WiFi mesh with multiple SSIDs and VLANs extended across the entire network, in a single root, multiple extender configuration, requiring only one Ethernet connection
- 11AC WiFi access point, capable of supporting up to 600 devices
- Wireless bridge, extending the network wirelessly while maintaining the same VLAN configuration throughout

The WAC564 features a tri-band radio, operating concurrently in the 2.4GHz band, the 5GHz high and low bands, delivering the most robust, most reliable, and highest WiFi throughput for the small and medium sized businesses, who demand wireless network throughout, rapid and scalable deployment, and exceptional material and labor efficiency.

Small and Medium Sized Businesses demand higher speed, large coverage, and effective network management

- Easy installation through the NETGEAR Insight management solution
- Remote Cloud management and monitoring through the Insight app or Cloud Portal¹
- Simultaneous Tri-band Wave2 MU-MIMO Wi-Fi
 - Radio 1: IEEE® 802.11b/g/n 2.4GHz 256QAM, 400Mbps
 - Radio 2: IEEE® 802.11a/n/ac 5GHz 256QAM 866Mbps
 - Radio 3: IEEE® 802.11a/n/ac 5GHz 256QAM 1733Mbps
- Max clients: Supports up to 600 client devices when operating independently in a WiFi extender mode

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



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.

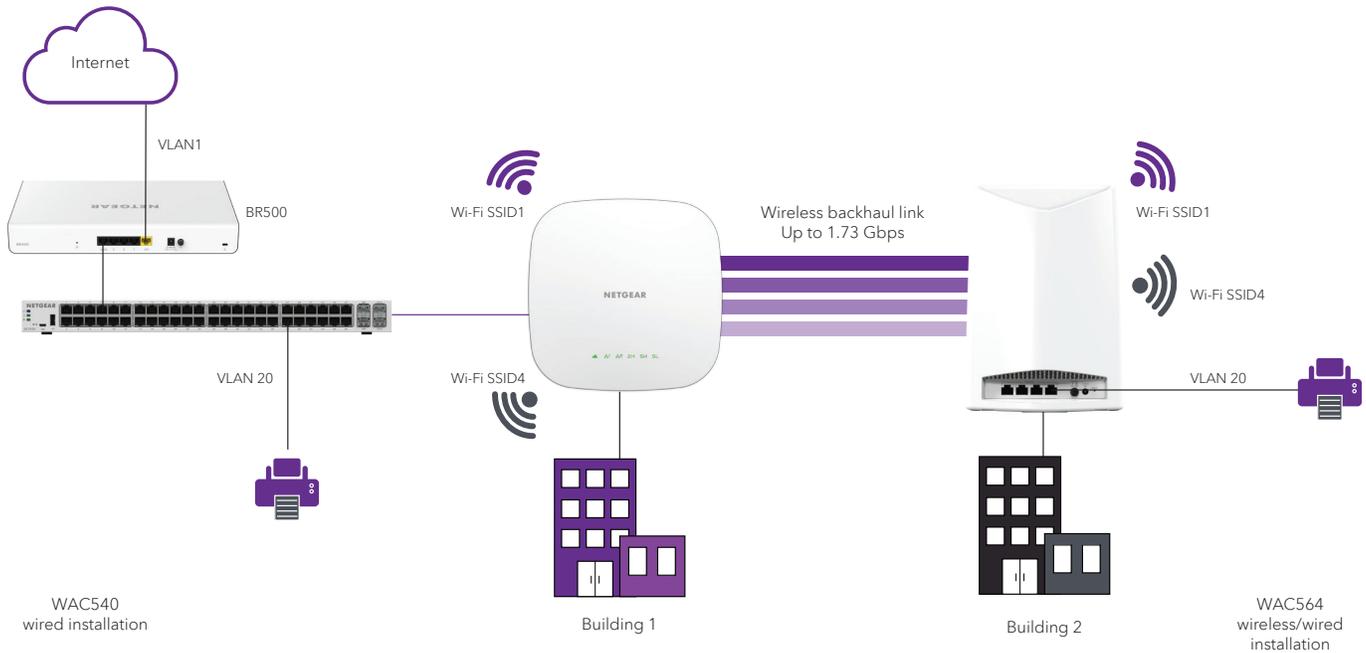


Multi-mode

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

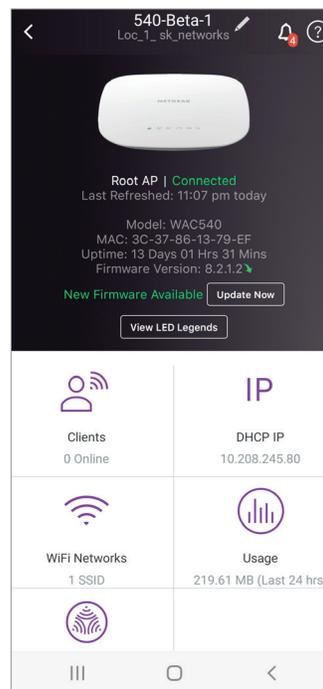
Instant Mesh Wi-Fi, wherever you need it



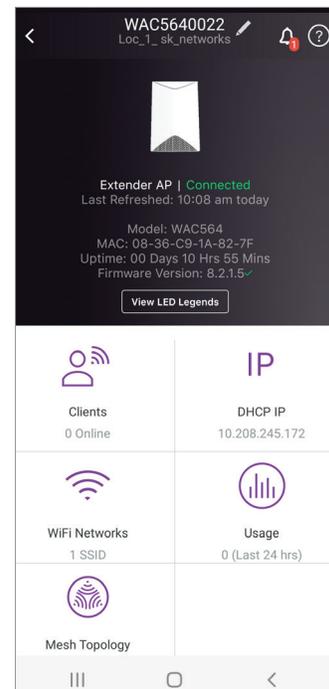
WAC564 requires the companionship of WAC540 or WAC564 as the home/root access point in extender mode or can be configured as an access point that connects to an existing router



Network Connection



Configuration



Monitoring

Features

Features	WAC564
Frequency Band	2.4GHz and 5GHz
Radio Configuration (Transmit x Receive)	2.4GHz: 2x2; 5.0GHz Low: 2x2; 5.0GHz High: 4x4 (4x4)
WiFi Technology	Wave 2, MU-MIMO
Maximum Theoretical Throughput	3Gbps AC3000
Maximum Throughput (2.4/5GHz)	400/867/1733Mbps (2.4GHz/5GHz Low/5GHz High)
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
Mobility	Fast roaming based on OKC (Opportunistic Key Caching). Supports Assisted Roaming for clients using 802.11kv
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 Specifications

Standards	
IEEE 802.11	2.4GHz: b/g/n 5.0GHz: a/n/ac
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 years
Next-Business-Day (NBD) Replacement	Yes
Technical Support (online, phone)	90 days free from date of purchase*
ProSUPPORT OnCall 24x7 Service Packs**	PMB0311-10000S (1 yr) PMB0331-10000S (3 yrs) PMB0351-10000S (5 yrs)

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

¹90-day complimentary technical support following purchase from a NETGEAR authorized reseller.

[†]Maximum wireless signal rate derived from IEEE standard 802.11 specifications. Network conditions and environmental factors, including volume of network traffic, building construction, and network overhead may decrease actual data throughput rate and Wi-Fi coverage.

* 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 at <https://insight.netgear.com> or using the Insight App 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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