NETGEAR®



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.

Powerful Mesh WiFi system. Single cable. Whole office coverage

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





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.



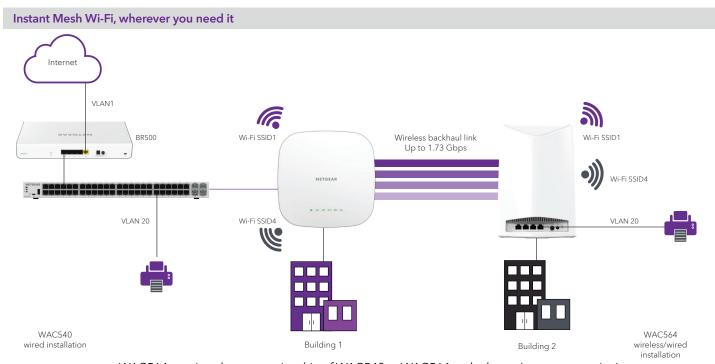
Multi-mode

Use it as a Wireless Mesh extender, a wireless switch with 4 Gigabit ports or a powerful WiFi Access Point with VLAN management.

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



Example Application



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







Configuration

Monitoring



Features

MAC address filtering with access control 802.1x RADIUS support with EAP TLS, TTLS, PEAP Rogue AP detection Block SSID Broadcast VLAN Support Yes VLAN Support Yes Guest Network/Captive Portal Easy ceiling mounting/wall mouting Yes Bandwidth management Yes Link Layer Discovery Protocol Anitime fairness Yes Yes Yes Yes Yes Yes Yes		
Radio Configuration (Transmit x Receive) WiFi Technology Wave 2, MU-MIMO Maximum Theoretical Throughput Maximum Throughput (2.4/5GHz) Mode No Repeater Yes Router Mode No Repeater Yes Roid point-to-point/multi-point Yes Roid point-to-point/multi-point Yes Roid point-to-point/multi-point Yes Roid and access point Maximum AldBi (2.4/5GHz) Mi-Fi Protected Access (WPAWPA2), 802.11i Yes MAC address filtering with access control Yes 802.1x RADIUS support with EAPTLS, TTLS, PEAP Regue AP detection Yes Rogue AP detection Yes Rogue AP detection Yes Rogue AP detection Yes Rogue AP detection Yes Guest Network/Captive Portal Easy celling mounting/wall mouting Yes Bandwidth management Link Layer Discovery Protocol Rogues AP detection Mobility Fast roaming based on OKC (Opportunistic Key Caching), Supports Assisted Roaming for clients using 802.11kv Loadbalancing Yes Centralized Auto X-Power and Auto Channel configuration done by Insight Instant Wi-Fi Mobility: OKC for Layer 2 fast roaming Yes Max clients Yes (Supports approximately 40 wireless clients) Dual Ethernet	Features	
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 SMMP 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) MAC address filtering with access control Yes 802.1x RADIUS support with EAP TLS, TTLS, PEAP Yes Rogue AP detection Yes Block SDI Broadcast Yes Clust Network/Captive Portal Yes Easy celling mounting/wall mouting Yes Bandwidth management Yes Link Layer Discovery Protocol Yes Bandsteering Yes Mobility Fast roaming based on OKC (Opportunistic Key Caching). Supports Assisted Reaming for clients using 802.11 kV Mobility Yes Mobility OKC for Layer 2 fast roaming Yes Modility OKC for Layer 2 fast roaming Yes Max clients Yes (Supports approximately 40 wireless clients) Dual Ethernet Yes Max clients Yes (Supports approximately 40 wireless clients)	Frequency Band	2.4GHz and 5GHz
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Dual Ethernet Yes	Mobility: OKC for Layer 2 fast roaming	Yes
	Max clients	Yes (Supports approximately 40 wireless clients)
Gigabit Ethernet Ports 4	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	
	Bridge mode: Point-to-point wireless
Wireless Distribution System (WDS)	Bridge mode: Point-to-multipoint wireless
	Repeater mode
Device detection	Adjustable Transmit Power Control (TPC) Identify type of wireless clients in the network
Warranty and Support	identity type of wheless chefts in the network
	F
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)



Insight Instant Mesh Multi-Mode Access Point

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	

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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.