

# NETGEAR<sup>®</sup>

BUSINESS

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NETGEAR<sup>®</sup>  
BUSINESS

# Wireless Product Catalog

Solutions for all businesses,  
designed with simplicity in  
mind without big IT cost.

Volume 18 - 2





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# NETGEAR BRINGS THE BEST OF I.T. TO THE CONNECTED OFFICE



## WIRELESS WIFI SYSTEMS

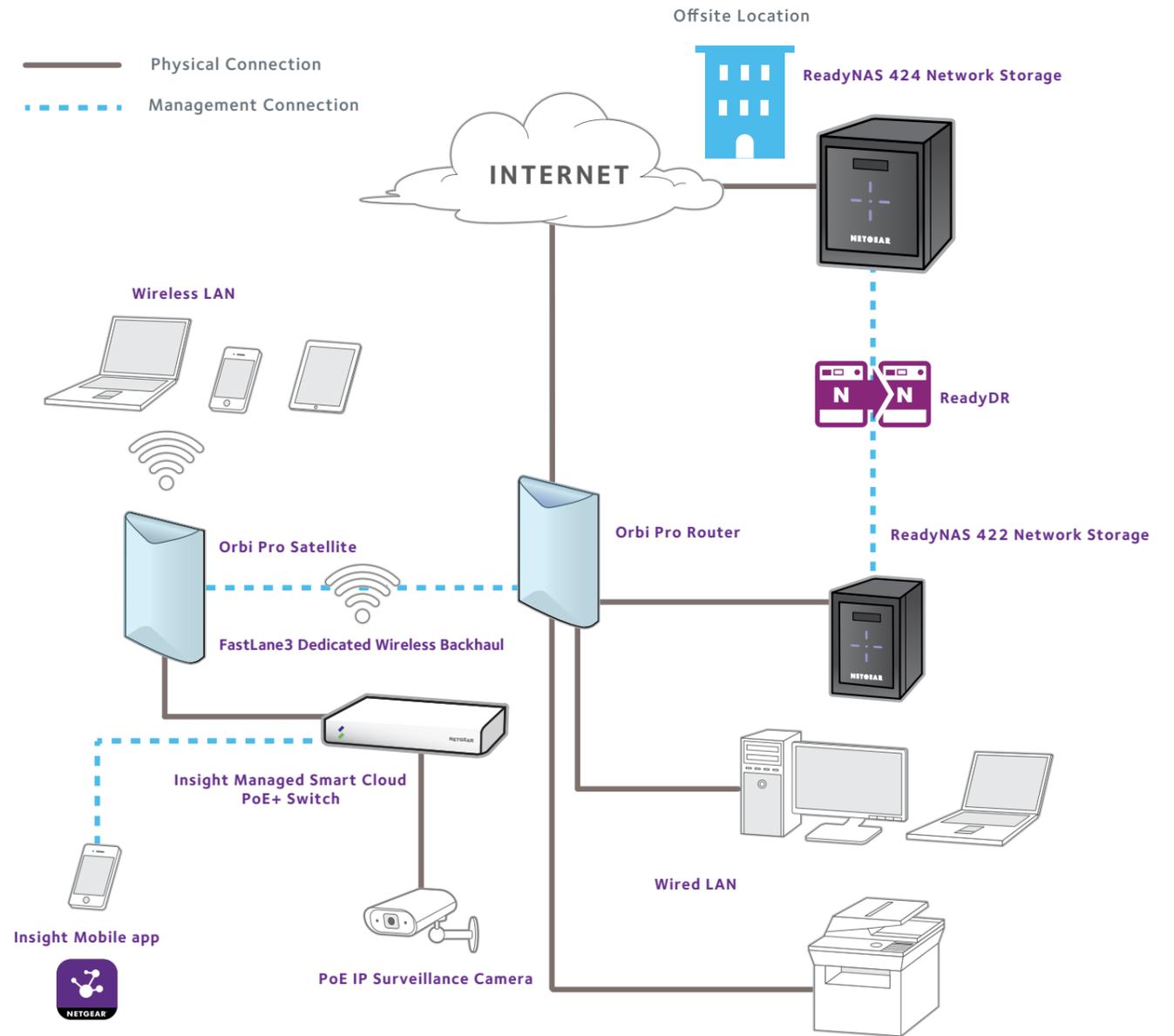
Unlock your WiFi potential with ultimate speed and coverage

With the latest Wireless AC technology, make a leap forward to an incomparable user experience. Add improved coverage, higher density, increased security and NETGEAR easy management and you will get the smartest wireless solution in the market. NETGEAR wireless access points and controllers offer a unique combination of features for enhanced and affordable coverage, speed, density and reliability.



# NETWORK SOLUTION FOR SMALL OFFICE AND HOME OFFICE (SOHO) 1-5 USERS

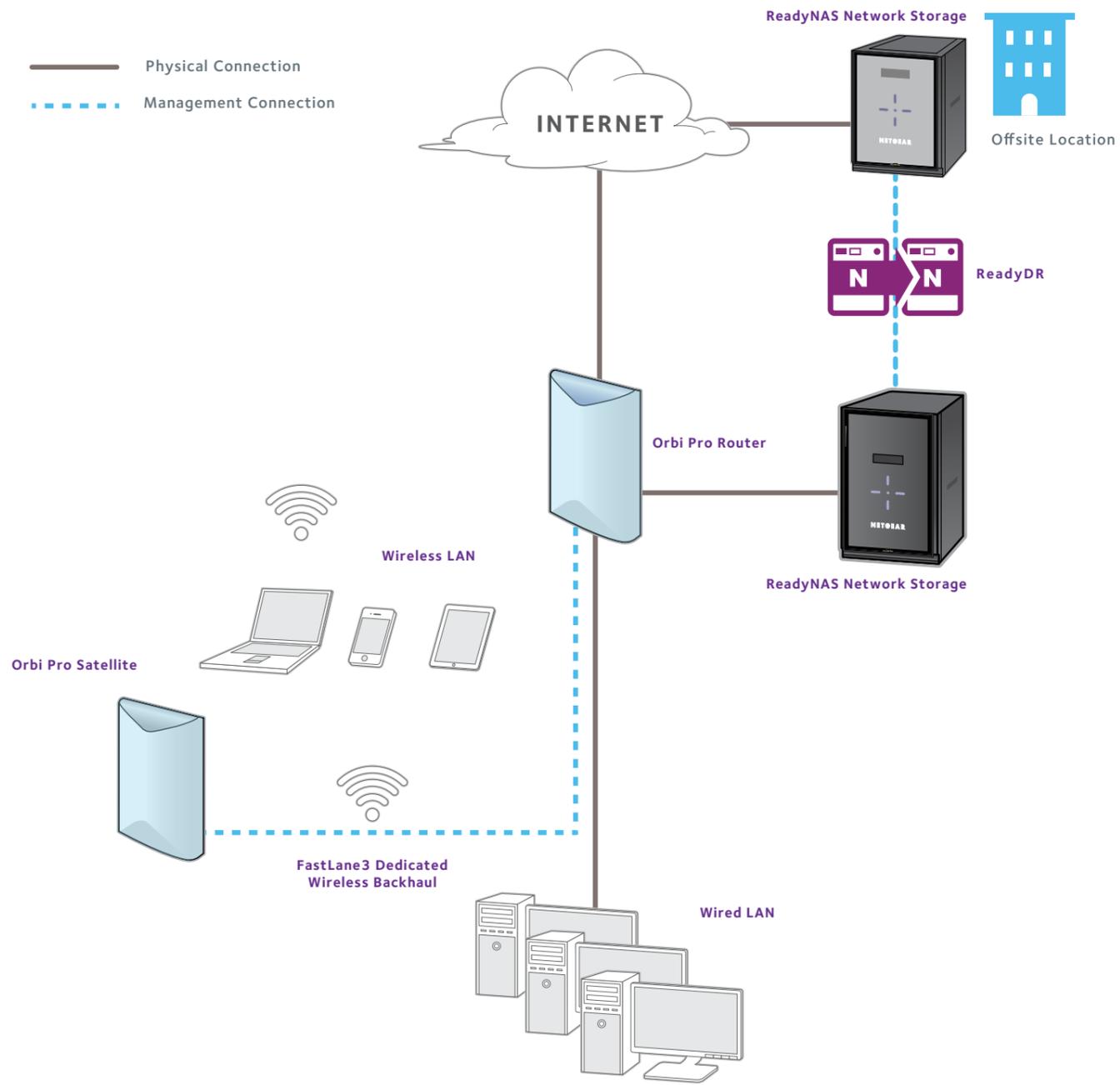
## Connection Setup





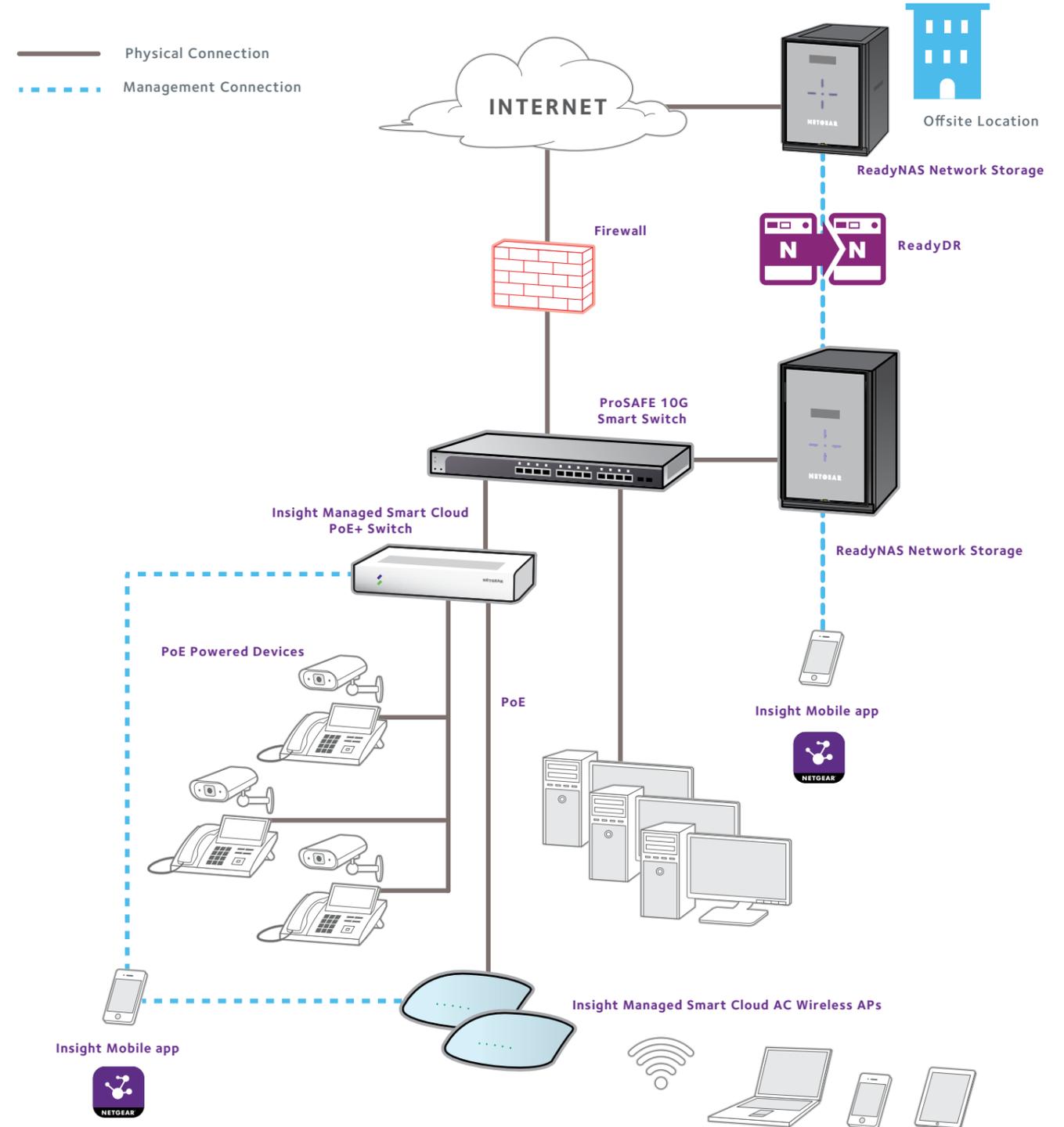
## WIRE FREE SOLUTION ORBI PRO, 5-80 USERS

### Connection Setup



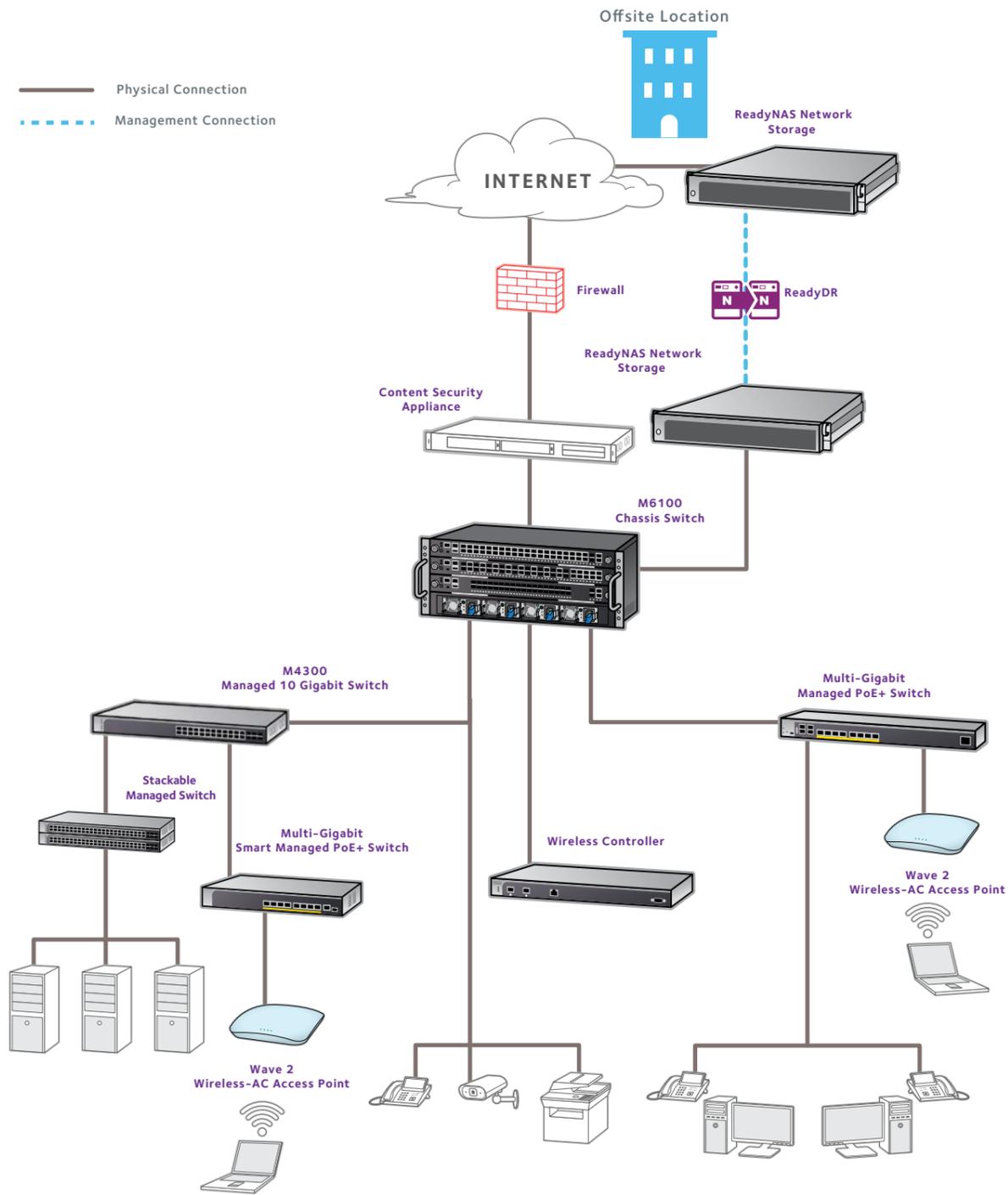
## WIRED SOLUTION INSIGHT, 5-150 USERS

### Connection Setup



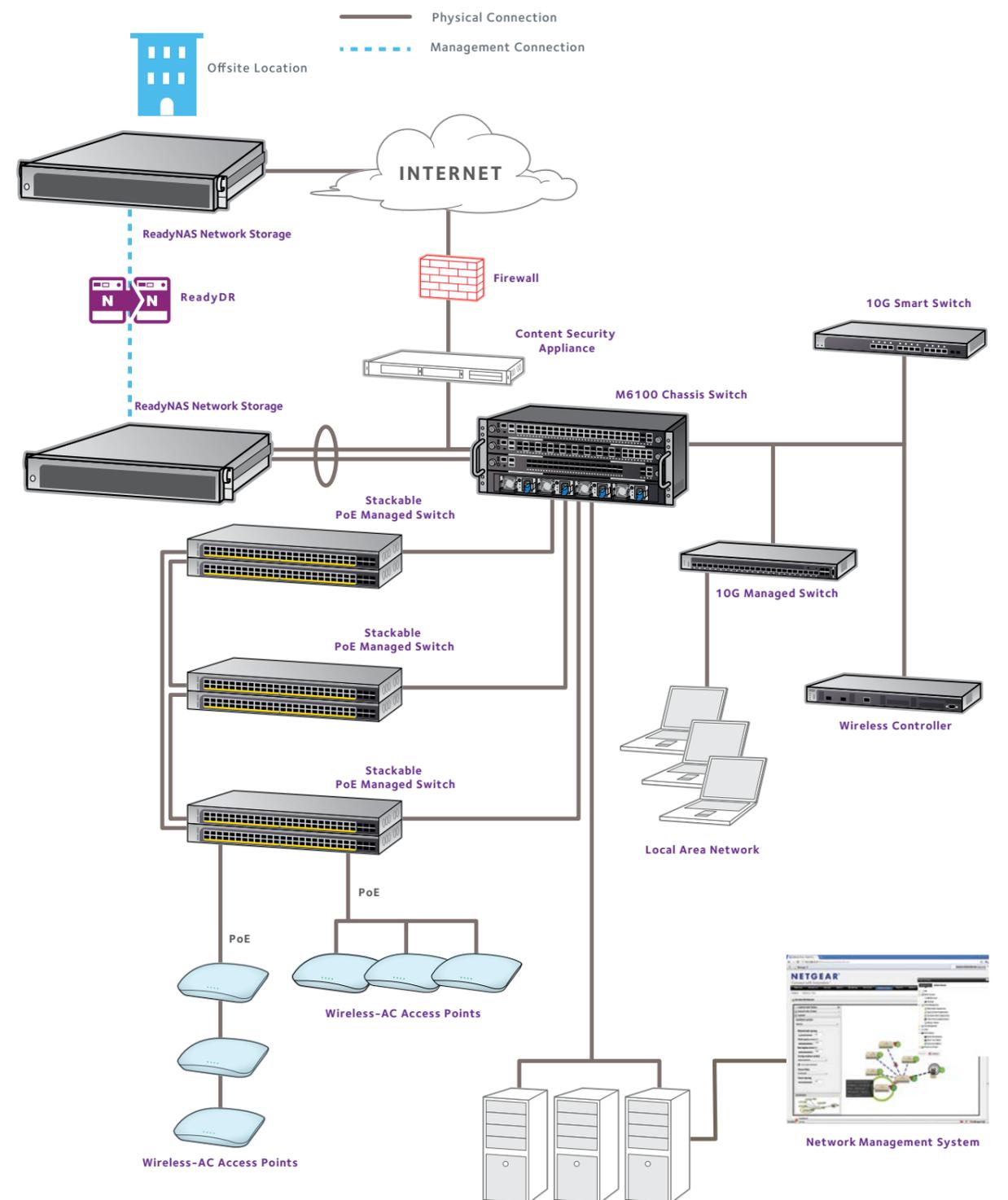
# NETWORK SOLUTION FOR A GROWING MID-SIZE BUSINESS, 75-250 USERS

## Connection Setup



# NETWORK SOLUTION FOR AN ENTERPRISE BUSINESS, 250-500+ USERS

## Connection Setup



## WIRELESS DESIGNED WITH EACH SMALL AND MEDIUM BUSINESS IN MIND



### ESSENTIALS WIFI

Micro business  
1 room – 1 site  
No IT expertise  
10 connections per AP



### ORBI PRO

Small business  
No-wire installation  
No IT expertise  
40 connections per AP

## WIRELESS



### INSIGHT MANAGED SMART CLOUD

Small business  
Multi-site  
No IT/limited expertise  
100 connections per AP



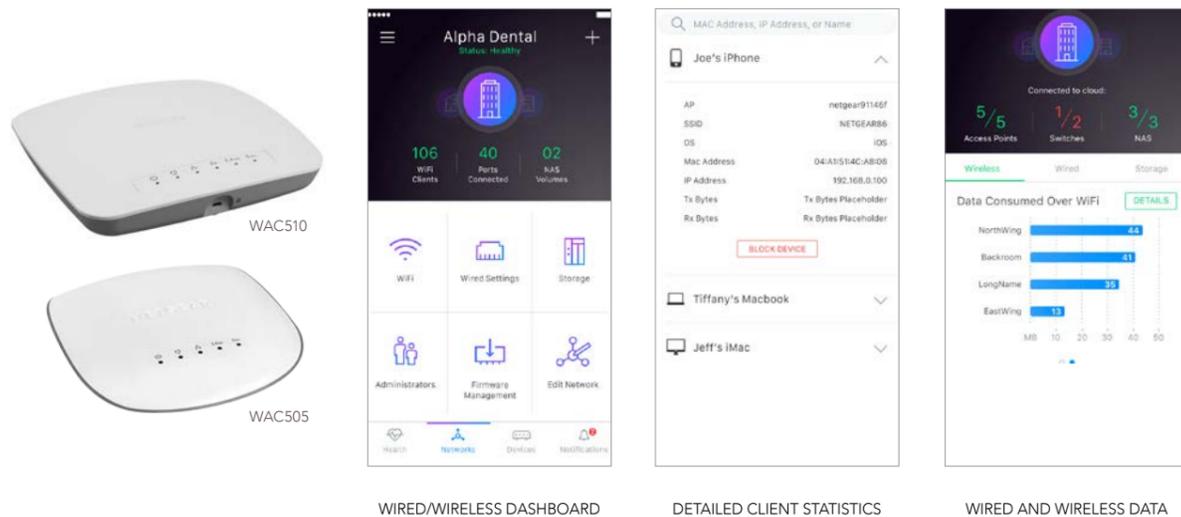
### PREMIUM WIFI

Medium business  
Multi-site  
IT expertise  
200 connections per AP

## INTRODUCING ONE-TOUCH WIRELESS VISIBILITY & MANAGEMENT

NETGEAR introduces the new IT revolution for small businesses with "One-touch connectivity" with Insight management app. 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 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 for aggregate throughput of up to 1.2Gbps (300 Mbps at 2.4GHz and 867 Mbps at 5GHz)

Multi-User Multiple In Multiple Out (MU-MIMO) avoids congestion and ensures performance in high client density deployments like public WiFi hotspots

One Ethernet port, with Power-over-Ethernet (PoE) for ease of deployment (PoE switch & AC/DC power adapter are sold separately)

One-touch network visibility. Anywhere. - Smart Cloud remote app management for unrivaled mobile management experience of your wireless network

App managed, through NETGEAR Insight app for one-touch installation and management of all your WAC505 and WAC510 Access Points, no additional hardware needed

Market leading 5-year warranty with 24x7 chat support for peace of mind

## DIY WIFI FOR SMALL BUSINESSES WITH ORBI PRO WIFI SYSTEM



The Orbi™ Pro Tri-band WiFi System for Small Businesses with patented FastLane3 technology joins the award-winning Orbi Tri-band Home WiFi System product family as the industry's first purpose-built WiFi solution specifically designed for small business owners to install themselves. The Orbi Pro Tri-band WiFi System provides growing businesses with secure, reliable, and blazing fast WiFi.

Orbi Pro is the perfect WiFi solution for commercial locations such as professional offices, restaurants, retail, or bed and breakfast inns, which would benefit from easy to set up WiFi. With Orbi Pro, there is no wiring, professional installation, or added IT costs.

Orbi Pro is also a "Network-in-a-box" (Router + WiFi + Switch) for small businesses. The router and satellite have 7 Gigabit ports together that can be considered as a switch thanks to a dedicated wireless backhaul. 4 of these ports are on the satellite and can be placed anywhere to support business needs. Orbi Pro can be easily installed using the Orbi app or the web GUI and monitored from anywhere with the Insight management solution for ultimate control and peace of mind.

Better WiFi for Business. Everywhere.

### Orbi Pro AC3000 Tri-band WiFi System

Up and running in minutes, wire-free installation, app management

3 Secure, separate WiFi networks

Guest portal with instant customization

5,000 sq.ft. coverage (expandable to 10,000 with 2 additional satellites)

Desktop, wall-mount, ceiling-mount

Ideal for retail, shops, small businesses and offices



ROUTER

SATELLITE



ORBI APP



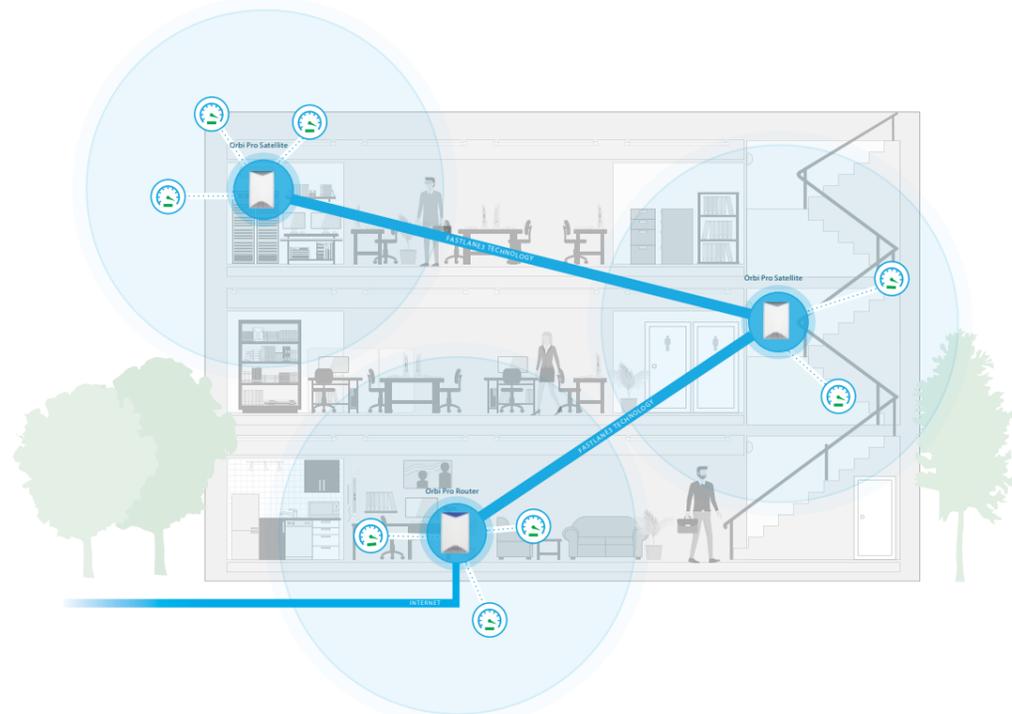
## BRING YOUR BUSINESS WIFI TO THE OUTDOORS

### Add-on Orbi Pro Outdoor Satellite (RBS50Y)

Extend high-performance WiFi coverage outdoors by up to an extra 2,500 sq. ft. with this weather-resistant, add-on Orbi Outdoor Satellite. Enjoy uninterrupted WiFi for your guests on your terrace or parking lot. Requires Orbi Pro Router included with your existing Orbi Pro WiFi System.

## Expand your Orbi Pro WiFi reach with Daisy Chain

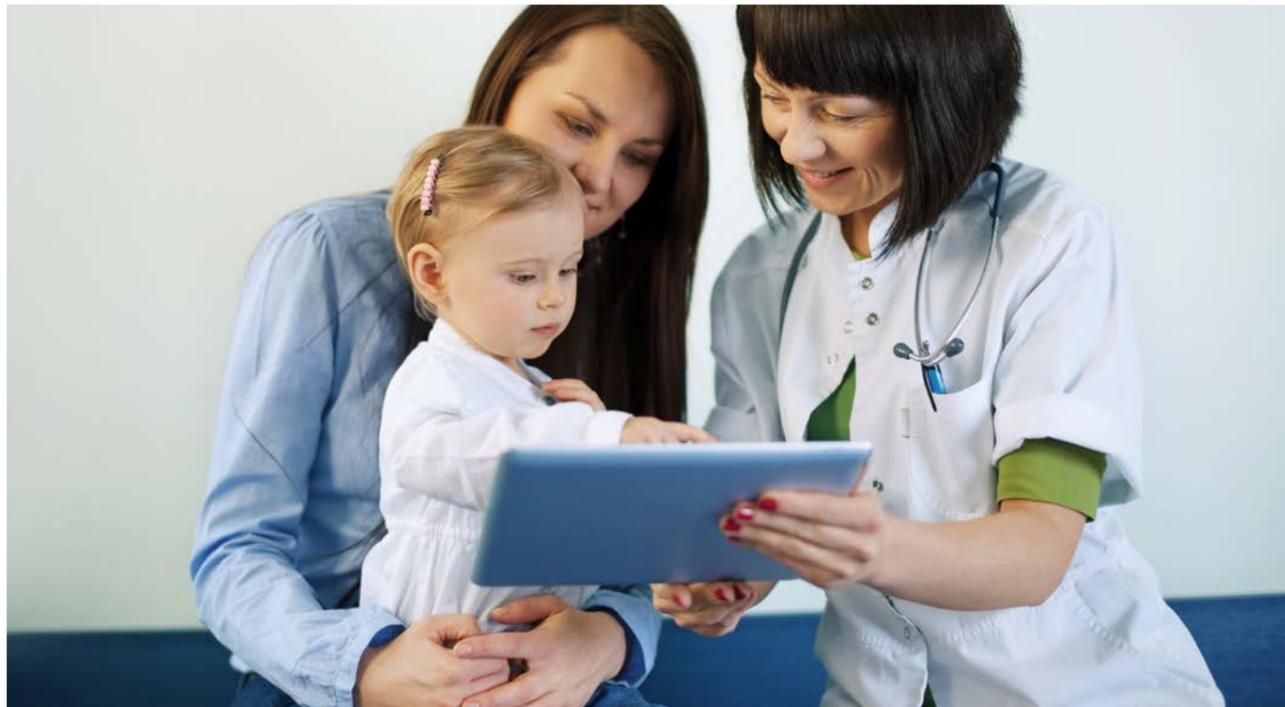
Daisy chain your Orbi Pro Satellites to extend the coverage of your Orbi Pro WiFi System range. This feature allows the Satellite to dynamically pick the best way to connect to the Router. With the latest firmware update, Orbi Pro supports both daisy chain and star network topologies.



With daisy chain networking, your satellites can connect to each other or to the router, depending on which connection is best. With the addition of the Orbi Pro Outdoor satellite, daisy chain makes it even easier to expand your network outside, even if it is far from the Orbi Pro Router.



PRODUCT	SRK60
Features	<ul style="list-style-type: none"> <li>• Up to 80 connections with high-performance WiFi. This kit includes an Orbi Pro WiFi Router and an Orbi Pro Satellite</li> <li>• Fast, dedicated WiFi connection between the Orbi Pro Router and Satellite similar to a wired Ethernet connection without having to run an Ethernet cable</li> <li>• Innovative Tri-band WiFi helps maximize the Internet speeds available in your business</li> <li>• Easy setup with a single and secure WiFi network that works with your existing Internet service</li> <li>• Traffic separation between 3 SSIDs, one for Guest WiFi network with dedicated guest portal</li> <li>• Use the Orbi app or any web browser to create secure, business grade WiFi in minutes.</li> <li>• Advanced security options include WiFi Protected Access® (WPA/WPA2-PSK), VPN support for secure remote access, restricted access to users and websites, and more</li> <li>• Can be mounted to the ceiling or a wall in an instant</li> </ul>
Tech specs	<p>Orbi AC3000 Router and AC3000 Satellite (1,733 + 866 + 400Mbps)†</p> <ul style="list-style-type: none"> <li>• Simultaneous Tri-band WiFi</li> <li>• Radio 1: IEEE® 802.11b/g/n 2.4GHz-256QAM support</li> <li>• Radio 2: IEEE® 802.11a/n/ac 5GHz-256QAM support</li> <li>• Radio 3: IEEE® 802.11a/n/ac 5GHz-256QAM support</li> <li>• Six (6) high-performance antennas with high-power amplifiers</li> <li>• Implicit/Explicit Beamforming for 2.4 &amp; 5GHz bands (1,733 + 866 + 400Mbps)†</li> <li>• MU-MIMO capable for simultaneous data streaming on multiple devices</li> <li>• Eight (8) 10/100/1000Mbps Gigabit Ethernet ports</li> <li>• 1 WAN &amp; 3 LAN for Router</li> <li>• 4 LAN for Satellite</li> </ul>
Add-ons	<ul style="list-style-type: none"> <li>• SRS60 add-on satellite</li> <li>• RBS50Y Outdoor Orbi Satellite</li> <li>• One router can support up to 3 satellites in total</li> </ul>
Box contents	<ul style="list-style-type: none"> <li>• One (1) Orbi Pro Router (SRR60)</li> <li>• One (1) Orbi Pro Satellite (SRS60)</li> <li>• Two (2) wall mounts with screws</li> <li>• Two (2) ceiling mounts with screws</li> <li>• One (1) 2m Ethernet cable</li> <li>• Two (2) 12V/3.5A power adapters</li> <li>• Quick start guide</li> </ul>
Compatibility	Orbi Pro Router does not support and will not pair with Orbi Home WiFi System Satellites.
Management	• Orbi Pro can be setup through the Orbi app or the Orbi Pro web GUI. Also discover, register and monitor your Orbi Pro from anywhere with the Insight app and Insight Cloud Portal.



Experience AC WiFi with our wireless AC Access Points.  
Just pick the one that fits your needs!



MODEL	WAC104	ORBI PRO	WAC505	WAC510	WAC720	WAC730	WAC740
Description	Dual Band 802.11ac Access Point	Wireless-AC Dual Band Wave 2 AP	Insight Managed Smart Cloud Wireless Access Point	Insight Managed Smart Cloud Wireless Access Point	Wireless-AC Dual Band Business AP	Wireless-AC Dual Band Premium AP	Wireless-AC Dual Band Wave 2 AP
Typical Deployment	High performance small and home office	Small customer wire-free deployment – Network-in-a-box	Small to Mid-size customers for ease of deployment	Small to Mid-size customers for ease of deployment	Medium enterprise, high schools with advanced Wi-Fi, hotel, mid-size hospital	Medium enterprise, high schools with advanced Wi-Fi, hotel, mid-size hospital	Mid to Large enterprise, higher education with advanced Wi-Fi, hotel, hospital
WiFi Standard	802.11ac	802.11ac	802.11 a/b/g/n/ac	802.11 a/b/g/n/ac	802.11 a/b/g/n/ac	802.11 a/b/g/n/ac	802.11 a/b/g/n/ac
Antennas/max throughput	2x2/1.2 Gbps	2x2/4x4 backhaul/3Gbps	2x2/1.2 Gbps	2x2/1.2 Gbps	2x2/1.2 Gbps	3x3/1.7 Gbps	4x4/2.4 Gbps
Router configuration		Yes		Yes			
Management	Standalone	Standalone / Orbi app	Standalone Insight app	Standalone Insight app	Standalone Ensemble Business Central Controller	Standalone Ensemble Business Central Controller	Controller

## Wireless Controllers



Business Central™ Wireless Cloud Manager



Premium Wireless Controller



Wireless Controller



Wireless Controller

MODEL	Business Central	WC9500	WC7600v2	WC7500
Product Description	Business Central Wireless Cloud Manager	WC9500 Wireless Controller	WC7600 Wireless Controller	WC7500 Wireless Controller
Typical Deployment	Multi-sites, distributed branches, coffee shops, retail stores, small offices, managed by Managed Service Providers	Mid to large enterprise with premium Wi-Fi, colleges/universities, hotels, mid-sized healthcare	Medium enterprise with high throughput and high density Wi-Fi, K-12, hotels/motels, small hospitals	Medium enterprise with advanced Wi-Fi, K-12, small hotels/motels, small hospitals
<b>HARDWARE</b>				
# of Ethernet Ports		3	4	4
Speed of Ethernet Ports		2 x 1/10 Gbps 1 x 10/10/100/1000Mbps	4 x 10/100/1000 Mbps	4 x 10/100/1000 Mbps
Physical Size		440 x 430 x 43 mm	261 x 430 x 44 mm	261 x 430 x 44 mm
<b>SUPPORTED AP</b>				
WND930	Future	•	•	•
WAC740	Future	•	•	•
WAC730	•	•	•	•
WAC720	•	•	•	•
11n access points (WNDAP660, 360, 350, 320, 210)	•	•	•	•
WN370	Future	•	•	•
<b>CAPACITY</b>				
# of managed AP	Unlimited	200 per controller	50 per controller	15
Stacking		•	•	
# of units per stack		3	3	
<b>MANAGEMENT</b>				
HTTP	•	•	•	•
SNMP		•	•	•
Telnet		•	•	•
SSH		•	•	•
<b>FEATURES</b>				
Central configuration	•	•	•	•
Multiple SSIDs, VLANs	•	•	•	•
Automatic RF Management	•	Dynamic	Dynamic	Dynamic
Multi-Tenancy	•			
Predeployment RF Planning		•	•	•
Heatmap		•	•	•
Self healing wireless network	•	•	•	•
Dynamic load balancing	•	•	•	•
L2 fast roaming	•	•	•	•
L3 fast roaming (seamless across subnet)	•	•	•	•
Built-in AAA server, LDAP support	•	•	•	•
Captive portal with guest management	•	•	•	•
<b>ORDERING</b>				
Warranty	Per Subscription	Lifetime	Lifetime	Lifetime
Product Ordering SKU	WM1AP1YL-10000S WM1AP3YL-10000S WM10AP1YL-10000S WM10AP3YL-10000S WM50AP1YL-10000S WM50AP3YL-10000S	WC9500-10000S WC9500-100PRS	WC7600-20000S WC7600-200PRS	WC7500-100NAS WC7500-100AUS WC7500-100PES WC7500-100UKS
5 or 10 AP License Ordering SKU	See Above	Incremental 10-AP Upgrade - WC10APL-10000S Incremental 50-AP Upgrade - WC50APL-10000S Incremental 100-AP Upgrade - WC100APL-10000S Incremental 200-AP Upgrade - WC200APL-10000S	Incremental 10-AP Upgrade - WC10APL-10000S Incremental 50-AP Upgrade - WC50APL-10000S	WC05APL-1000S
<b>ProSUPPORT Maintenance PKGS</b>				
OnCall 24x7 1-year	PMB0311	PMB0311	PMB0313	PMB0314
OnCall 24x7 3-year	PMB0331	PMB0331	PMB0333	PMB0334
OnCall 24x7 5-year	PMB0351	PMB0351	PMB0353	PMB0354

# Wireless Access Points

## 11AC Access Points

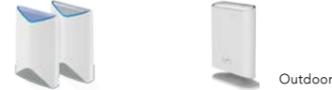
WiFi Essentials



Insight Managed Smart Cloud



Tri-Band WiFi System



MODEL	WAC104	WAC505	WAC510	ORBI PRO	RBS50Y
<b>Product Description</b>	Dual Band 802.11ac Access Point	Insight Managed Smart Cloud Access Point	AC WiFi Business AP with NETGEAR® Insight app for easy management	AC3000 Tri-band WiFi System	Orbi Outdoor Satellite
<b>Typical Deployment</b>	High performance small and home office	Medium and micro business sites	Small to Mid-size customers for ease of deployment	SMB businesses	Outdoor use
<b>WIRELESS</b>					
<b>Standard</b>	802.11ac	802.11ac Wave 2	802.11 a/b/g/n/ac	802.11ac Wave 2	802.11 b/g/n/a/ac
<b>Dual Band</b>	concurrent	concurrent	concurrent		Tri band
<b>2.4 GHz</b>	•	•	•	•	•
<b>5 GHz</b>	•	•	•	•	•
<b>TX by Rv</b>	2 x 2 (2.4GHz)	2x2 (2.4 and 5GHz)	2 x 2	4x4, 2x2 5GHz, 2x2 2.4GHz	2x2 front haul and 4x4 backhaul
<b>Throughput per Radio</b>	300/867 Mbps	300/867Mbps, (2.4/5GHz)	300/867Mbps	1,733 + 866 + 400Mbps, (5, 2.4GHz)	1,733 + 866 + 300Mbps, (5, 2.4GHz)
<b>Max # of Concurrent Clients (standalone)</b>	128	100	200	40	2.4GHz front haul x 127 and 5GHz front haul x 127
<b>HARDWARE</b>					
<b># of Ethernet Ports</b>	4	1	2	4	0
<b>Speed of Ethernet Ports</b>	10/100/1000Mbps	10/100/1000Mbps	10/100/1000Mbps	10/100/1000Mbps	
<b>PoE</b>		•	•		
<b>Antenna Type</b>	External	Internal	Internal	Six (6) high-performance antennas with high-power amplifiers	Copper dipole antenna
<b>Antenna Gain</b>	3dBi	3/6dBi (2.4/5GHz)	3dBi (2.4GHz) 6dBi (5GHz)		3dBi
<b>Physical Size</b>	240 x 181 x 41mm	175 x 165 x 35 mm (6.89 x 6.49 x 1.38 in)	197x 197 x 37mm	6.8 x 3.3 x 9.7 in (174 x 85 x 247 mm)	8.3 x 2.7 x 10.6 in
<b>Enclosure Material</b>	Plastic	Plastic	Plastic	Plastic	Plastic & Metal in the back
<b>Kensington Lock</b>		•	•		
<b>Ceiling/Wall Mounting</b>		•	•	•	Wall Mounting
<b>Power Consumptions (W) Max</b>	8.1	8.9w	9		19.21 W
<b>MANAGEMENT</b>					
<b>Deployment Options</b>	Standalone	Standalone / Insight	Standalone / Insight	Standalone	Wall, desktop
<b>FEATURES</b>					
<b># of BSSIDs</b>	1	8	8	3	3
<b>WEP</b>	•	•	•	•	•
<b>WPA-PSK/TKIP</b>	•	•	•	•	•
<b>WPA2-PSK/AES</b>	•	•	•	•	•
<b>802.1X</b>				•	
<b>Rogue AP Detection</b>			•		
<b>WIDS/WIPS</b>			•		
<b>Wireless Distribution Systems</b>	•	•	•		
<b>Repeater</b>		•	•		
<b>Point-to-Point/Multi-Point</b>	•	•	•		
<b>Simultaneous Bridge/Client Association</b>	•	•	•		
<b>Captive Portal</b>		•	•		Works with Orbi Pro to support
<b>VLANs</b>		•	•	•	
<b>MAC ACL</b>	•	•	•	•	
<b>802.11e/WMM</b>	•	•	•	•	•
<b>Rate Limiting</b>	•	•	•		
<b>Bandwidth Management</b>					
<b>Beamforming</b>		•	•	•	•
<b>Bandsteering</b>	•	•	•		•
<b>ORDERING</b>					
<b>Warranty</b>	3 years	5 years	5 years	5 years	1 year
<b>Product Ordering SKU</b>	WAC104-100NAS WAC104-100AUS WAC104-100PES WAC104-100UKS WAC104-100INS	WAC505-100NAS WAC505-10000S	WAC510-10000S WAC510-100NAS	SRK60-100NAS SRS60-100NAS	RBS50Y-100NAS
<b>ProSUPPORT Maintenance PKGS</b>					
<b>OnCall 24x7 1-year</b>	PMB0S11	PMB0S11	PMB0S12	PMB0311	PMB0S12
<b>OnCall 24x7 3-year</b>	PMB0S31	PMB0S31	PMB0S32	PMB0331	PMB0S32
<b>OnCall 24x7 5-year</b>	PMB0S51	PMB0S51	PMB0S52	PMB0351	PMB0S52

# Wireless Access Points

## 11AC and 11N Access Points

11AC Premium Wireless



11N Wireless Access Points



MODEL	WAC720	WAC730	WAC740	WND930	WN370
<b>Product Description</b>	Wireless-AC Dual Band Business AP	Wireless-AC Dual Band Premium AP	Wireless-AC Dual Band Wave 2 AP	Dual Band High Power 802.11n Outdoor AP	Wireless-N Wall Mount Access Point
<b>Typical Deployment</b>	Medium enterprise, high schools with advanced WiFi, hotel, mid-size hospital	Medium enterprise, high schools with advanced WiFi, hotel, mid-size hospital	Mid to Large enterprise, higher education with advanced WiFi, hotel, hospital	Outdoor deployment for schools, hotels, and medium enterprise	Hotels, motels, school dormitories
<b>WIRELESS</b>					
<b>Standard</b>	802.11 a/b/g/n/ac	802.11 a/b/g/n/ac	802.11 a/b/g/n/ac	802.11 a/b/g/n	802.11 b/g/n
<b>Single Band</b>					•
<b>Dual Band</b>	• (concurrent)	• (concurrent)	• (concurrent)	• (concurrent)	
<b>2.4 GHz</b>	•	•	•	•	•
<b>5 GHz</b>	•	•	•	•	•
<b>TX by Rv</b>	2 x 2	3 x 3	4 x 4	2 x 2	2 x 2
<b>Throughput per Radio</b>	300/867Mbps	450/1300Mbps	600/1700Mbps	300/300 Mbps	300Mbps
<b>Max # of Concurrent Clients (standalone)</b>	256	256		128	N/A
<b>Max # of Concurrent Clients (managed)</b>	128	128	128	128	64
<b>HARDWARE</b>					
<b># of Ethernet Ports</b>	1	1	2	3	4 (LAN) + 1 (uplink) 2 (voice)
<b>Speed of Ethernet Ports</b>	10/100/1000Mbps	10/100/1000Mbps	1G/2.5G Multi-Gig Ethernet 10/100/1000Mbps	10/100/1000Mbps	4 x 10/100Mbps + 1 (1G) 2 (voice)
<b>PoE</b>	•	•	•	•	•
<b>Antenna Type</b>	Internal	Internal	Internal	Internal/External	Internal
<b>Antenna Gain</b>	5dBi (2.4GHz) 6dBi (5GHz)	5dBi (2.4GHz) 6dBi (5GHz)	5dBi (2.4GHz) 6dBi (5GHz)	5dBi (2.4GHz) 7dBi (5GHz)	5 dBi
<b>Additional External Antenna Connectors</b>	two 2.4/5GHz reverse SMA	three 2.4/5GHz reverse SMA	four 2.4/5GHz reverse SMA	two 2.4 GHz and two 5 GHz female type N	
<b>Plenum</b>				IP67	
<b>Physical Size</b>	197 x 197 x 40mm	197 x 197 x 40mm	197 x 197 x 40mm	255 x 255 x 78mm	135 x 93 x 26mm
<b>Enclosure Material</b>	Plastic front - Metal Gray back	Plastic front - Metal Gray back	Plastic front - Metal White back	Plastic front - Metal back	Plastic
<b>Kensington Lock</b>	•	•	•		
<b>Ceiling/Wall Mounting</b>	•	•	•	•	wall (junction box)
<b>Power Consumptions (W) Max</b>	11	12.9	17.9	15.2W (heater off)	5.1 Watts
<b>MANAGEMENT</b>					
<b>Deployment Options</b>	Standalone / Ensemble /Business Central / Controller (WC7500/WC7600/9500)	Standalone / Ensemble / Business Central / Controller (WC7500/WC7600/9500)	Controller (WC7500/WC7600/9500)	Standalone / Controller (WC7600/WC9500)	Controller (WC7600/9500)
<b>Business Central Management</b>	•	•		Future	Future
<b>SNMP</b>	•	•	•	•	•
<b>FEATURES</b>					
<b># of BSSIDs</b>	16	16	16	1	8
<b>WEP</b>	•	•	•	•	•
<b>WPA-PSK/TKIP</b>	•	•	•	•	•
<b>WPA2-PSK/AES</b>	•	•	•	•	•
<b>802.1X</b>	•	•	•	•	•
<b>Rogue AP Detection</b>	•	•	•	•	•
<b>WIDS/WIPS</b>	•	•	•	•	•
<b>Wireless Distribution Systems (WDS)</b>	•	•	•	•	•
<b>Repeater</b>	•	•	•	•	•
<b>Point-to-Point/Multi-Point</b>	•	•	•	•	•
<b>Simultaneous Bridge /Client Association</b>	•	•	•	•	•
<b>Captive Portal</b>	•	•	•	•	•
<b>VLANs</b>	•	•	•	•	•
<b>MAC ACL</b>	•	•	•	•	•
<b>802.11e/WMM</b>	•	•	•	•	•
<b>Rate Limiting</b>	•	•	•	•	•
<b>Bandwidth Management</b>					
<b>Beamforming</b>	•	•	•	•	•
<b>IPV6</b>	•	•	•	•	•
<b>Bandsteering</b>	•	•	•	•	•
<b>ORDERING</b>					
<b>Warranty</b>	Lifetime	Lifetime	Lifetime	2 years	Lifetime
<b>Product Ordering SKU</b>	WAC720-10000S WAC720-100NAS	WAC730-10000S WAC730-100NAS	WAC740-10000S WAC740-100NAS	WND930-1000S WND930-100NAS	WN370-10000S
<b>ProSUPPORT Maintenance PKGS</b>					
<b>OnCall 24x7 1-year</b>	PMB0311	PMB0311	PMB0311	PMB0311	PMB0311
<b>OnCall 24x7 3-year</b>	PMB0331	PMB0331	PMB0331	PMB0331	PMB0331
<b>OnCall 24x7 5-year</b>	PMB0351	PMB0351	PMB0351	PMB0351	PMB0351

## WIRELESS LAN ANTENNAS AND CABLES

NETGEAR wireless antennas can be used in conjunction with Wireless Access Points to boost wireless signals across a building or campus. NETGEAR low-loss cables with 2 Reverse SMA Connectors extend the length between NETGEAR wireless access points or routers and the external antenna without sacrificing range. NETGEAR low-loss cables with 2 Reverse SMA Connectors extend the length between NETGEAR wireless access points or routers and the external antenna without sacrificing range.



MODEL	ANT24501B	ANT224D10	ANT2409	ANT2511AC
<b>Description</b>	NETGEAR Outdoor Dual Band Omni Antenna Bundle Kit	10 dBi 2x2 indoor/outdoor directional antenna -ANT224D10	9 dBi Omni-directional Antenna - ANT2409	Wireless AC Dual Band Antenna
<b>Wireless Mode</b>	IEEE 802.11 a/b/g/n	IEEE 802.11n	IEEE 802.11g	IEEE 802.11 a/b/g/n/ac
<b>Typical Application</b>	Outdoor for wireless client access	Indoor/Outdoor	Any 11n Indoor Access Point	External antenna for 700 series wireless access points
<b>Recommended Access Point</b>	WND930 Outdoor AP	Any 11n Indoor Access Point	WAG302, WG302, WG102, FWG114Pv2, FWG114P, and DG824M	WAC720, WAC730, WAC740
<b>Maximum Outdoor Range</b>	1.6 km (1 mile)	8.5 km (5.28 miles) <sup>1</sup>	11.5 km (7.2 miles) <sup>2</sup>	
<b>Frequency Range</b>	2400 - 2500MHz 4900 - 5850MHz	2400 - 2500MHz	2400 - 2485MHz	2.4 to 2.5 GHz and 4.9 to 5.85 GHz
<b>Gain</b>	5dBi (2.4GHz) 7dBi (5GHz)	10dBi <sup>3</sup>	9dBi <sup>3</sup>	2.5 dBi (2.4 GHz) and 4 dBi (5 GHz)
<b>Beam Width</b>	Horizontal 360° Vertical 11°	Horizontal 33° Vertical 32°	Horizontal 360° Vertical 30°	Horizontal 360° Vertical 75° (2.4 GHz) and Horizontal 360° Vertical 22.5° (5 GHz)
<b>Polarization</b>	Linear; Vertical	Linear; Vertical	Vertical	Linear; Vertical
<b>Operational Temperature</b>	-20° to +60°C (-4° to 140°F)	-30° to 80°C (-22° to 176°F)	-30° to 80°C (-22° to 176°F)	-20°C to +60°C
<b>Dimensions</b>	215 x 22 x 11mm (8.5 x 0.9 x 0.4in)	240 x 240 x 40mm (9.45 x 9.45 x 1.57in)	625 x 75 x 56mm (24.6 x 2.95 x 2.2in)	185 x 36.2 x 12.7 mm (7.283 x 1.425 x 0.5 in)
<b>Weight</b>	.2kg (0.4lb)	.7kg (1.54lb)	.9kg (2lb)	0.025 kg (0.055116 lb)
<b>Connectors</b>	N-Plug Male	· Antenna - N Jack Male · Lightning arrestor - N Jack Male to N Jack Male · Extended Cable - N Plug Female	· Antenna - Reverse N female · Lightning arrestor - Reverse N female · Adapter - Reverse SMA	RP SMA-PlugZ (SMA Male Reverse)
<b>Package Contents</b>	· 2 x 2.4GHz omni directional antennas · 2 x 5GHz omni directional antennas · Installation guide	· NETGEAR Indoor/ Outdoor 10dBi 2x2 Directional Antenna ANT224D10 · 2 lightning arrestors with 30 cm low-loss cables · 2 reverse N/SMA adapters · Wall mount and pole mounting hardware · Installation Guide and Warranty/Support card	· Indoor/Outdoor 9dBi Omni-directional · Antenna - ANT2409 (cable required, sold separately) · Wall and pole mount brackets and hanging materials · One reverse N type to reverse SMA adapter · 2 m low-loss antenna cable (connection for lightning arrestor) · Lightning arrestor · Installation guide and Warranty/support card	· 1 x 2.4/5GHz omni directional antenna · Installation guide
<b>Warranty*</b>	2-year			
<b>Ordering Information (all regions)</b>	ANT24501B-10000S	ANT224D10-10000S	ANT2409-20000S	ANT2511AC-10000S

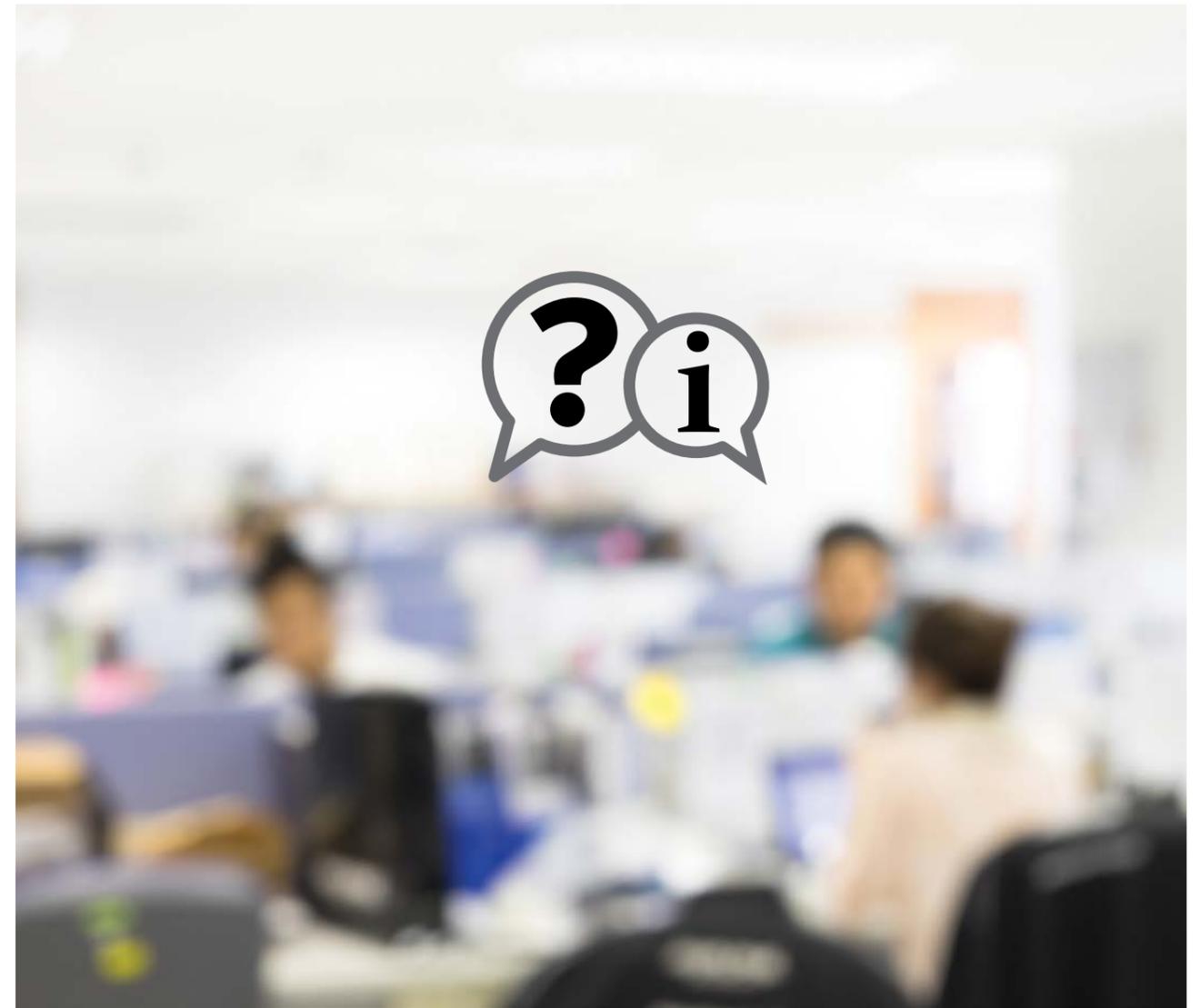
<sup>1</sup> Range estimation is based on FCC-compliant operation of two (2) 802.11 APs each with two (2) ANT224D10 antennas, 3 m antenna cables, and lightning arrestors installed. With the antennas positioned 26 m above the ground, data rate should sustain 1 Mbps under ideal line-of-sight conditions.

<sup>2</sup> Range estimation is based on FCC-compliant operation of two (2) 802.11 APs each with two (2) ANT2409 antennas, 1 m antenna cables, and lightning arrestors installed. With the antennas positioned 27 m above the ground, data rate should sustain 1 Mbps under ideal line-of-sight conditions.

<sup>3</sup> Gain: A ratio of decibels to an isotropic antenna that is commonly used to measure antenna coverage.

MODEL	ACC-10314-01	ACC-10314-03	ACC-10314-04
<b>Cable Length</b>	1.5m (4.9ft)	5m (16.4ft)	10m (32.8ft)
<b>Maximum Cable Loss with Connectors</b>	1.4dB	3.7dB	7.0dB
<b>Weight</b>	50g (1.76oz)	225g (7.94oz)	440g (15.53oz)
<b>Attenuation</b>	0.21dB/ft maximum or .659dB/m maximum at 2.5GHz		
<b>Operating Temperature</b>	-40° to 75°C (-40° to 167°F)		
<b>Minimum Bend Radius</b>	26mm (1in)		
<b>Connectors</b>	Reverse SMA female (both ends)		
<b>Package Size</b>	450 x 280 x .12mm (17.72 x 11.02 x .004in)		
<b>Warranty*</b>	2-year		
<b>Ordering Information (all regions)</b>	1.5 meter cable ACC-10314-01	5 meter cable ACC-10314-03	10 meter cable ACC-10314-04

\*2-Year Warranties cover hardware, fans, and internal power supplies - not external power supplies or software. Warranty is only valid for the original purchaser, and modifications to product may void the warranty. See <http://www.netgear.com/about/warranty/> for details. Basic phone support for 90 days from purchase and lifetime online chat support when purchased from a NETGEAR authorized reseller.



# SUPPORT

## ProSUPPORT for Business

### COMPREHENSIVE SUPPORT PLANS FOR MAXIMUM NETWORK UPTIME AND BUSINESS PEACE OF MIND

- 24/7 live technical support and consultation
- Direct, scheduled access to product experts to help in configuration
- Extended HW/SW Warranty coverage with NBD parts replacement

#### More Than Just Support — A Business Partnership

The NETGEAR ProSUPPORT for Business offerings provide you with peace of mind by extending and enhancing the standard warranty or support coverage included with your product purchase. With ProSUPPORT, you get 24/7 direct access to NETGEAR technical support engineers who can rapidly resolve technical issues both big and small. Connect with the people that have built your products and build the relationship that will contribute to your business success.

#### OnCall 24x7 Tech Support

NETGEAR extends your initial 90-day technical support with the OnCall 24x7 Tech Support package. OnCall 24x7 services are conducted by phone, chat and email, to solve any of your technical challenges. In addition, NETGEAR will proactively send you alerts about any newly released firmware updates to make sure that you are able to plan in advance, download and upgrade at your earliest convenience.

#### Professional Configuration and Setup Assistance

Schedule an appointment for a live consultation by an expert to configure, set up or re-configure your device. This allows you the quickest time to deployment, optimizes accuracy in product deployment, minimizes downtime and maximizes the performance of the device.

#### Extended Warranty with Next Business Day Replacement

Once your warranty expires, ProSUPPORT for Business provides you with an extended warranty ensuring that if you have any issues with your device, it will be replaced by the same (or a newer) device. Next Business Day product replacement is also included to ensure that your business is back up and running in the shortest time.

	Zero Cost			Premium	
	Warranty Hardware & Software	90-day FREE Technical Support	Lifetime ProSAFE Online Technical Support	ProSUPPORT OnCall 24x7 Technical Support	ProSUPPORT Extended Hardware Warranty
<b>Products Covered</b>	ALL NETGEAR Business Products	ALL NETGEAR Business Products	Select NETGEAR Business Switches	<ul style="list-style-type: none"> <li>• All NETGEAR Business Products</li> <li>• Paid Support Package Varies by Products</li> </ul>	Select NETGEAR Business Products
<b>Hardware Replacement</b>	YES Next Business Day	N/A	N/A	N/A	YES Next Business Day
<b>Software Feature Updates</b>	YES	YES	YES	YES	YES
<b>Support by Email</b>	N/A	YES	YES	YES	N/A
<b>Support by Chat</b>	N/A	YES	YES	YES	N/A
<b>Support by Phone</b>	N/A	YES	N/A	YES	N/A

## NETGEAR ProSUPPORT

### ProSUPPORT SKU

Services	ProSUPPORT Category	ProSUPPORT Part Number	Contract
OnCall 24x7	ProSUPPORT Category S1	PMB0511-10000S	1 yr
		PMB0531-10000S	3 yr
		PMB0551-10000S	5 yr
	ProSUPPORT Category S2	PMB0512-10000S	1 yr
		PMB0532-10000S	3 yr
		PMB0552-20000S	5 yr
	ProSUPPORT Category 1	PMB0311-10000S	1 yr
		PMB0331-10000S	3 yr
		PMB0351-10000S	5 yr
	ProSUPPORT Category 2	PMB0312-10000S	1 yr
		PMB0332-10000S	3 yr
		PMB0352-10000S	5 yr
ProSUPPORT Category 3	PMB0313-10000S	1 yr	
	PMB0333-10000S	3 yr	
	PMB0353-10000S	5 yr	
ProSUPPORT Category 4	PMB0314-10000S	1 yr	
	PMB0334-10000S	3 yr	
	PMB0354-10000S	5 yr	
Professional Setup and Configuration (Remote)	2-hour consultation, 48-hour advance appointment	PSB0304-10000S	

### Availability by Product

Category	Product Family	Hardware Warranty	90-Day Free Support	Lifetime Online Tech Support	ProSUPPORT Category
WiFi Systems - ORBI	SRK60	5 Yr	Y	Y	Category 1
	SRS60	5 Yr	Y	Y	Category 1
	RBS50Y	5 Yr	Y	Y	Category S2
Wireless 802.11ac Access Points	WAC120	3 Yr	Y	N	Category S1
	WAC104	3 Yr	Y	N	Category S1
	WAC740	Lifetime	Y	Y	Category 1
	WAC730	Lifetime	Y	Y	Category 1
	WAC720	Lifetime	Y	Y	Category 1
	WAC505	5 Yr	Y	N	Category S1
	WAC510	5 Yr	Y	N	Category S2
Wireless Access Points	WNAP210	Lifetime	Y	Y	Category S2
	WN370	Lifetime	Y	Y	Category 1
	WNAP320	Lifetime	Y	Y	Category 1
	WNDAP330	Lifetime	Y	Y	Category 1
	WNDAP350	Lifetime	Y	Y	Category 1
	WNDAP360	Lifetime	Y	Y	Category 1
	WNDAP620	Lifetime	Y	Y	Category 1
	WNDAP660	Lifetime	Y	Y	Category 1
	WNSKT350	Lifetime	Y	Y	Category 1
	WND930	Lifetime	Y	Y	Category 1
	Wireless Management Systems	WC7500	Lifetime	Y	Y
WC7520SKT		Lifetime	Y	Y	Category 1
WC7600		Lifetime	Y	Y	Category 3
WC9500		Lifetime	Y	Y	Category 4



**NETGEAR**  
Insight

1st Avenue ▾ My Devices

Summary Wireless Wired Storage Firmware Devices Clients

**Properties**

12 Access Points	21 Associated Clients	16 Mbps
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**System Status**

✓

**Wireless - Traffic** 2.4 GHz ▾ 5 GHz ▾

**Port Utilization**

Switch

Connected  
Powered