

# NETGEAR<sup>®</sup>

BUSINESS

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NETGEAR<sup>®</sup> | Product Catalog / Volume 18-3

## NETGEAR<sup>®</sup>

BUSINESS

# Product Catalog

End-to-end networking solutions serving the needs of small and medium businesses

Volume 18 – 3



## WHO IS NETGEAR?

In business, confidence is everything. When it comes to your network, it's even more important. Whether you're a small business with big dreams or a mid-size business ready to take the next step, you need to share access and ideas safely, connect remote locations securely and give your people the tools to perform. At NETGEAR, we provide networking, storage and security solutions without the cost and complexity of big IT. Our advanced range of reliable, affordable networking products are easy to install and maintain. We deliver solutions you can count on, so you can spend more time on what matters most – growing your business.

## MILESTONES

- 2003 First Smart Switch
- 2010 First Lightly Managed Switch
- 2011 First 10G Smart Switch
- 2014 Flexible Mounting Click Switch
- 2017 First App Managed Access Point
  - First Fully Autonomous Cloud Management Switch
  - First DIY WiFi Mesh Solution for Business
- 2018 ProAV 48/96p, 10G Switch

**NETGEAR**  
BUSINESS

## DESIGNED WITH YOUR BUSINESS IN MIND

"For more than 20 years, our innovative networking solutions have continually expanded the outer limits of speed, connectivity and intelligence.

We connect the world - whether it be people to people, people to things, or things to things - both inside the smart home or business and outside in the mobile world, to enhance people's lives.

Whether it's in streaming media, securing your home or business, or sharing business-critical data, NETGEAR is creating a new - and better - relationship between you and your world to help you thrive."

Patrick Lo

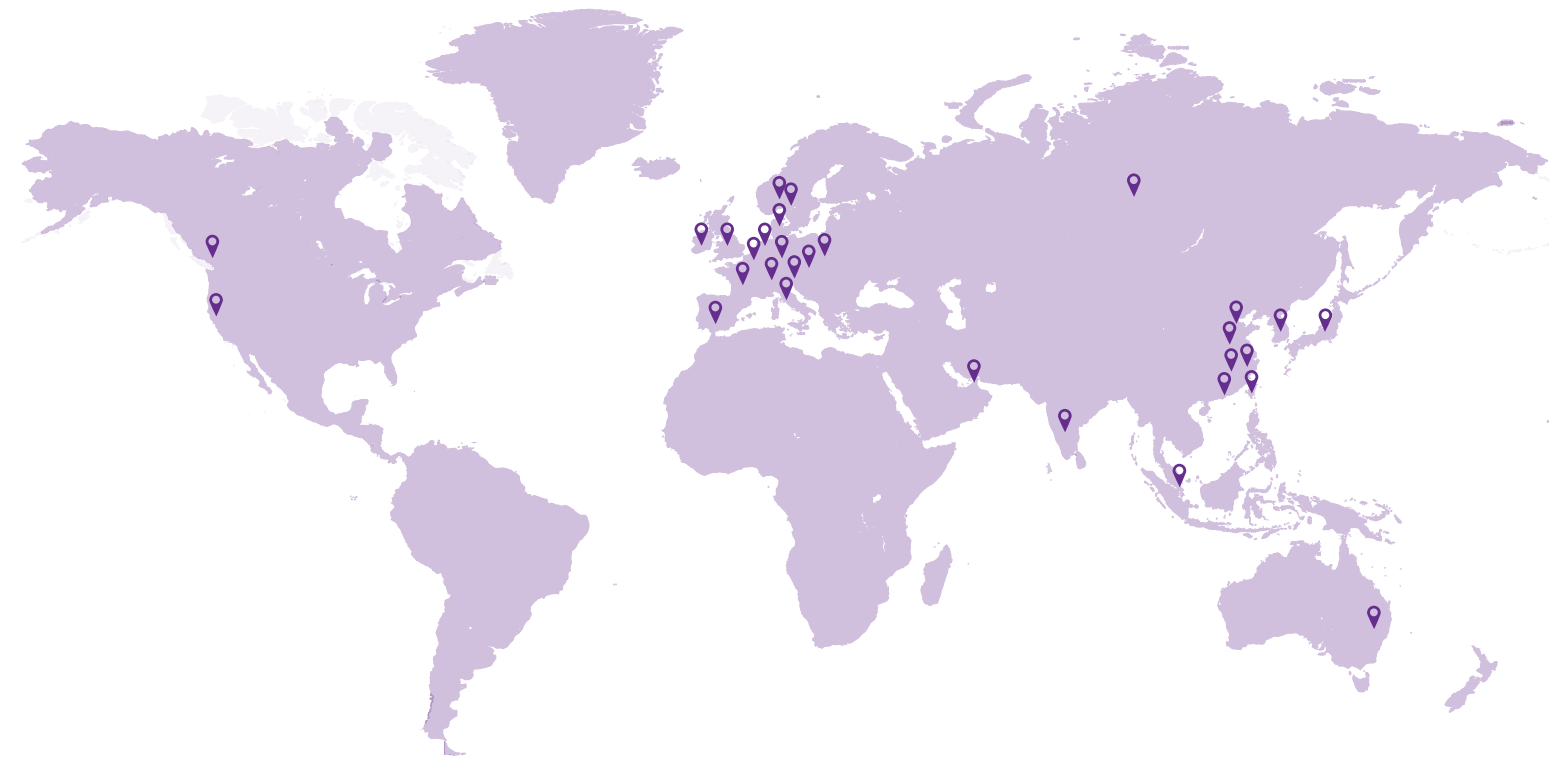
NETGEAR CEO and Co-founder

As our product portfolio has expanded over the past two decades from Ethernet hubs to switches, advanced WiFi systems, network attached storage and smart home, NETGEAR® is re-imagining how connectivity changes our world in homes and businesses. Simply connecting is no longer enough. Enhancing peoples' lives through the power of intelligent connectivity is the next step in the networking revolution, and NETGEAR is at the center of this change.

NETGEAR Business Solutions are simply designed with your business in mind.



# TABLE OF CONTENTS



## NETGEAR GLOBAL OFFICES

|                   |             |
|-------------------|-------------|
| NORTH AMERICA     | INDIA       |
| AUSTRALIA         | IRELAND     |
| AUSTRIA           | ITALY       |
| BELGIUM           | JAPAN       |
| CANADA            | KOREA       |
| CHINA - BEIJING   | NETHERLANDS |
| CHINA - GUANGZHOU | NORWAY      |
| CHINA - NANJING   | POLAND      |
| CHINA - SHANGHAI  | RUSSIA      |
| CHINA - SUZHOU    | SINGAPORE   |
| CZECH REPUBLIC    | SWITZERLAND |
| DENMARK           | SPAIN       |
| FRANCE            | SWEDEN      |
| GERMANY           | TAIWAN      |
| HONG KONG         | UK          |
| DUBAI             |             |

## INTRODUCTION

|                   |   |
|-------------------|---|
| NETGEAR Portfolio | 4 |
| Network Solutions | 5 |

## NETGEAR INSIGHT

|                                     |    |
|-------------------------------------|----|
| NETGEAR Insight Management Solution | 11 |
|-------------------------------------|----|

## SWITCHES

|                                      |    |
|--------------------------------------|----|
| Switch Introduction                  | 17 |
| Unmanaged Switches                   | 30 |
| Smart Managed Plus                   | 38 |
| Smart Managed Pro                    | 43 |
| Smart Cloud Switches                 | 53 |
| Fully Managed Switches               | 58 |
| Modules and Accessories for Switches | 66 |

## WIRELESS

|                                       |    |
|---------------------------------------|----|
| Wireless Introduction                 | 69 |
| Wireless Controllers                  | 76 |
| 11AC Indoor and Outdoor Access Points | 77 |
| 11n Indoor and Outdoor Access Points  | 78 |
| Wireless LAN Antennas and Cables      | 79 |

## SECURITY

|                            |    |
|----------------------------|----|
| Insight Instant VPN Router | 81 |
|----------------------------|----|

## STORAGE

|                                      |    |
|--------------------------------------|----|
| Storage Introduction                 | 85 |
| ReadyNAS Desktop                     | 87 |
| ReadyNAS Rackmount                   | 90 |
| Midmarket Solutions - Backup to Disk | 92 |
| Midmarket Solutions - Virtualization | 93 |

## LTE MOBILE

|            |    |
|------------|----|
| LTE Mobile | 95 |
|------------|----|

## SUPPORT

|                         |    |
|-------------------------|----|
| ProSUPPORT for Business | 98 |
|-------------------------|----|

## CONNECTED HOME PRODUCTS

|                         |     |
|-------------------------|-----|
| Connected Home Products | 104 |
|-------------------------|-----|

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



Get the most comprehensive and versatile switching portfolio

NETGEAR® offers a unique portfolio of highly flexible and scalable network switches for every business need. From 5 to 144 ports, with Gigabit, Multi-Gigabit or 10-Gigabit copper and/or fiber connectivity, intuitive network management options and advanced L2 and L3 features, comprehensive PoE support and unique form factors (Click, Easy-Mount, Desktop, Rackmount, Chassis), NETGEAR is unrivaled in the switching choice it offers to its business customers.



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.



Experience the highest performing and secure storage

Now faster than ever before, the new ReadyNAS® solutions offer businesses outstanding performance, versatility and scalability with five levels of unrivaled data protection, 10-Gigabit Fiber or Copper Ethernet network interface on select models, and expandable storage capacity, desktop or rackmount.



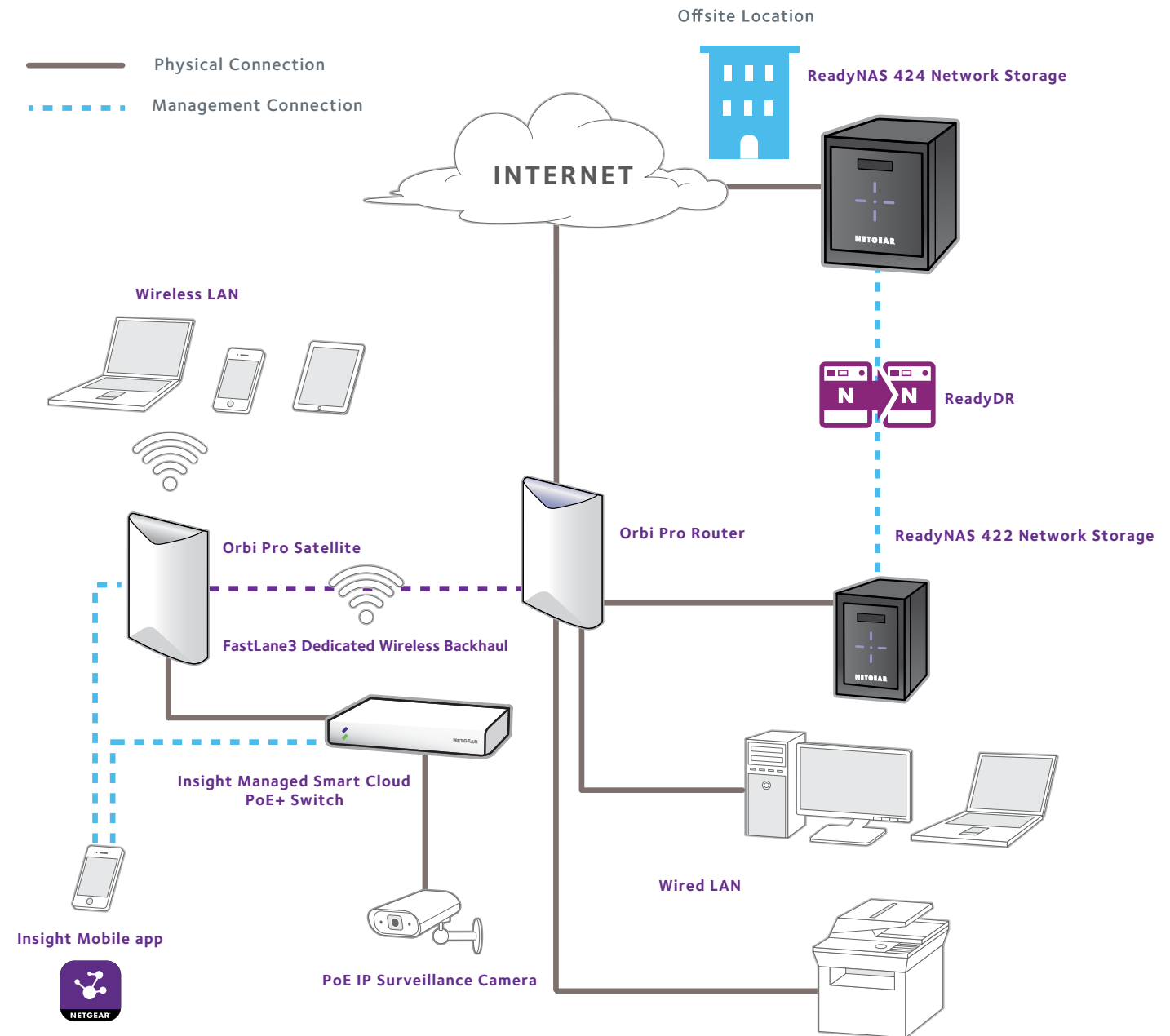
Network Management made easy

Easy management and setup of your network with NETGEAR management applications and interfaces, including our latest innovative management solution - NETGEAR Insight™.



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

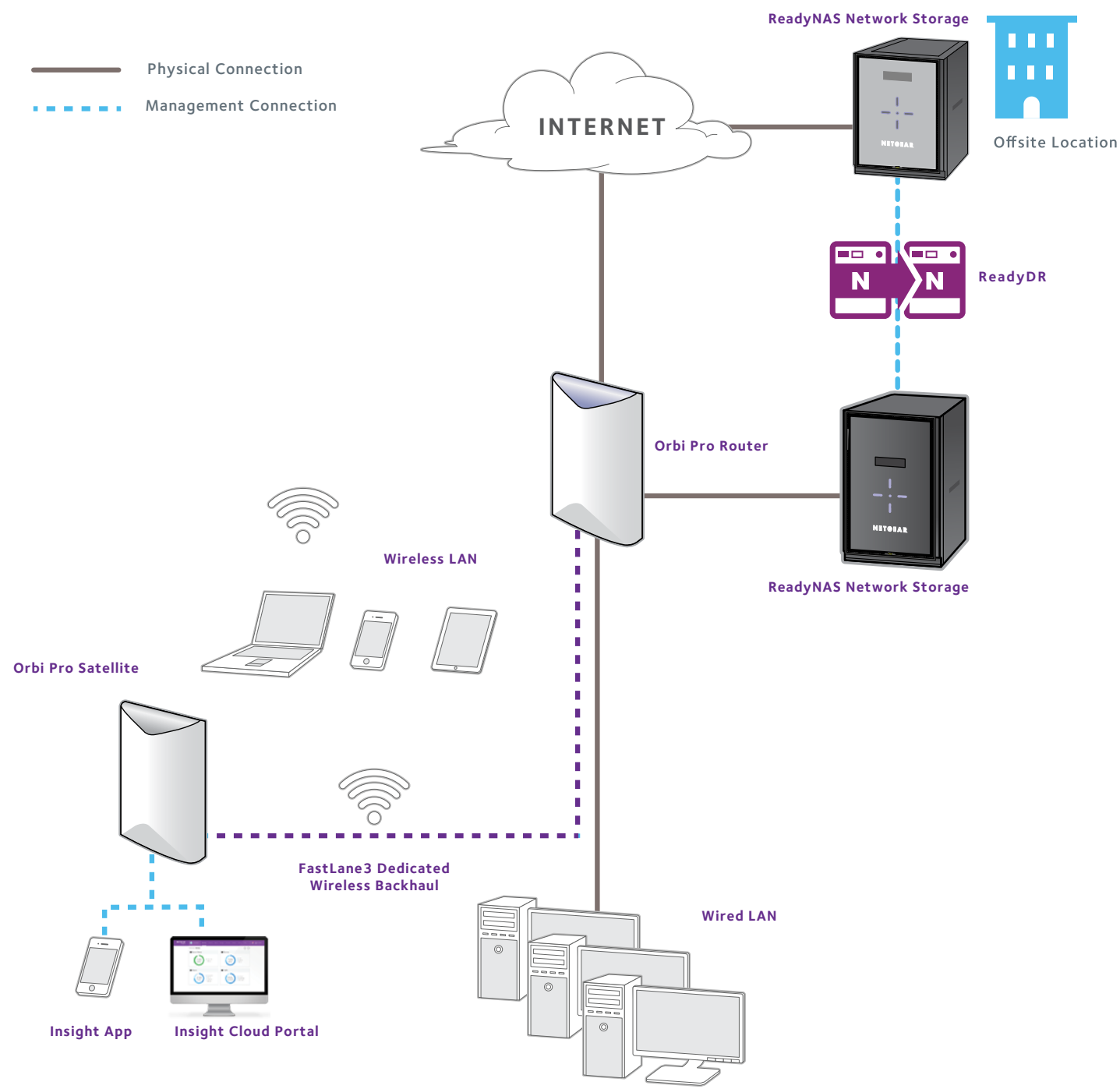
### Connection Setup





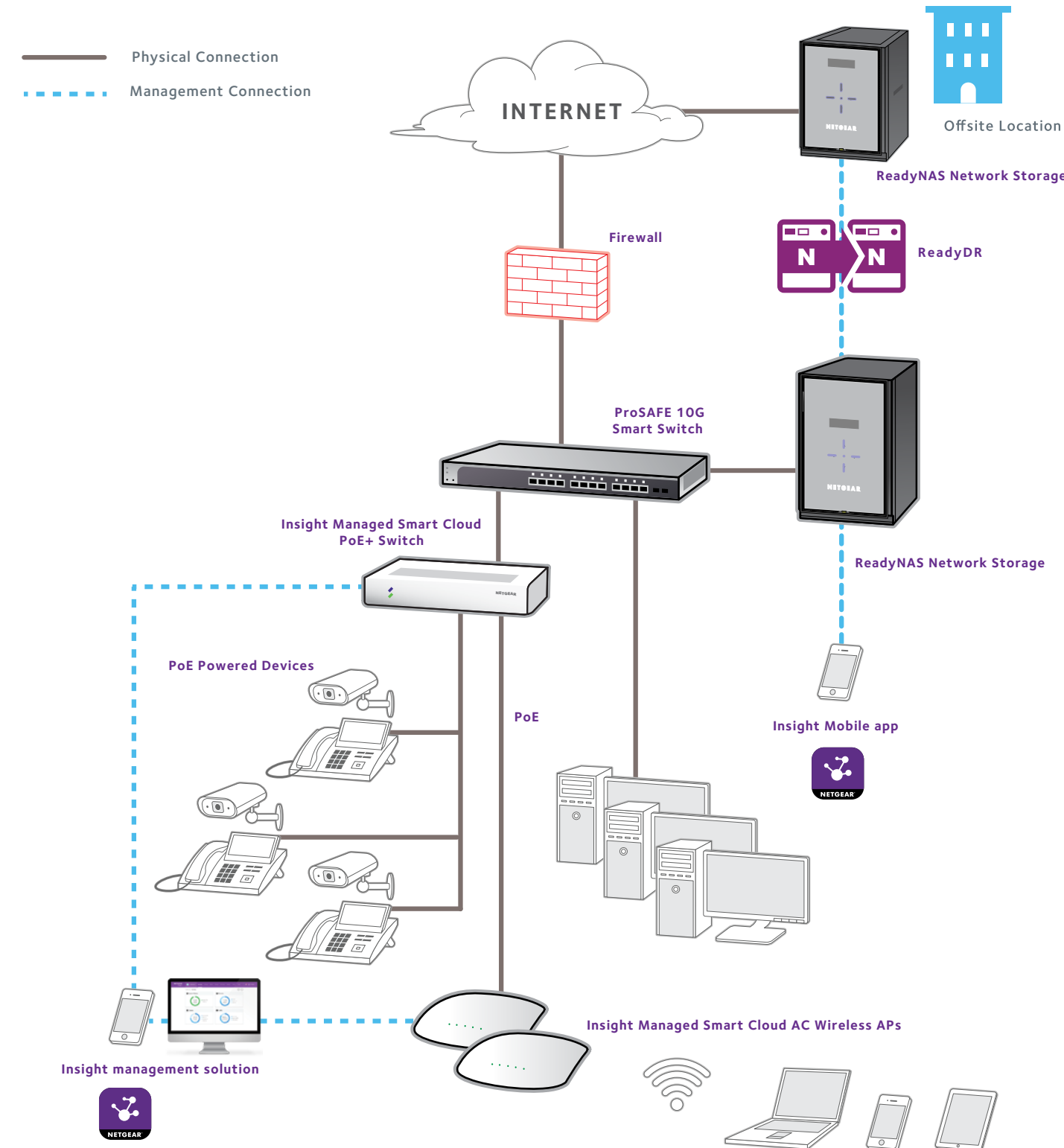
# WIRE FREE SOLUTION ORBI PRO, 5-80 USERS

## Connection Setup



# WIRED SOLUTION INSIGHT, 5-150 USERS

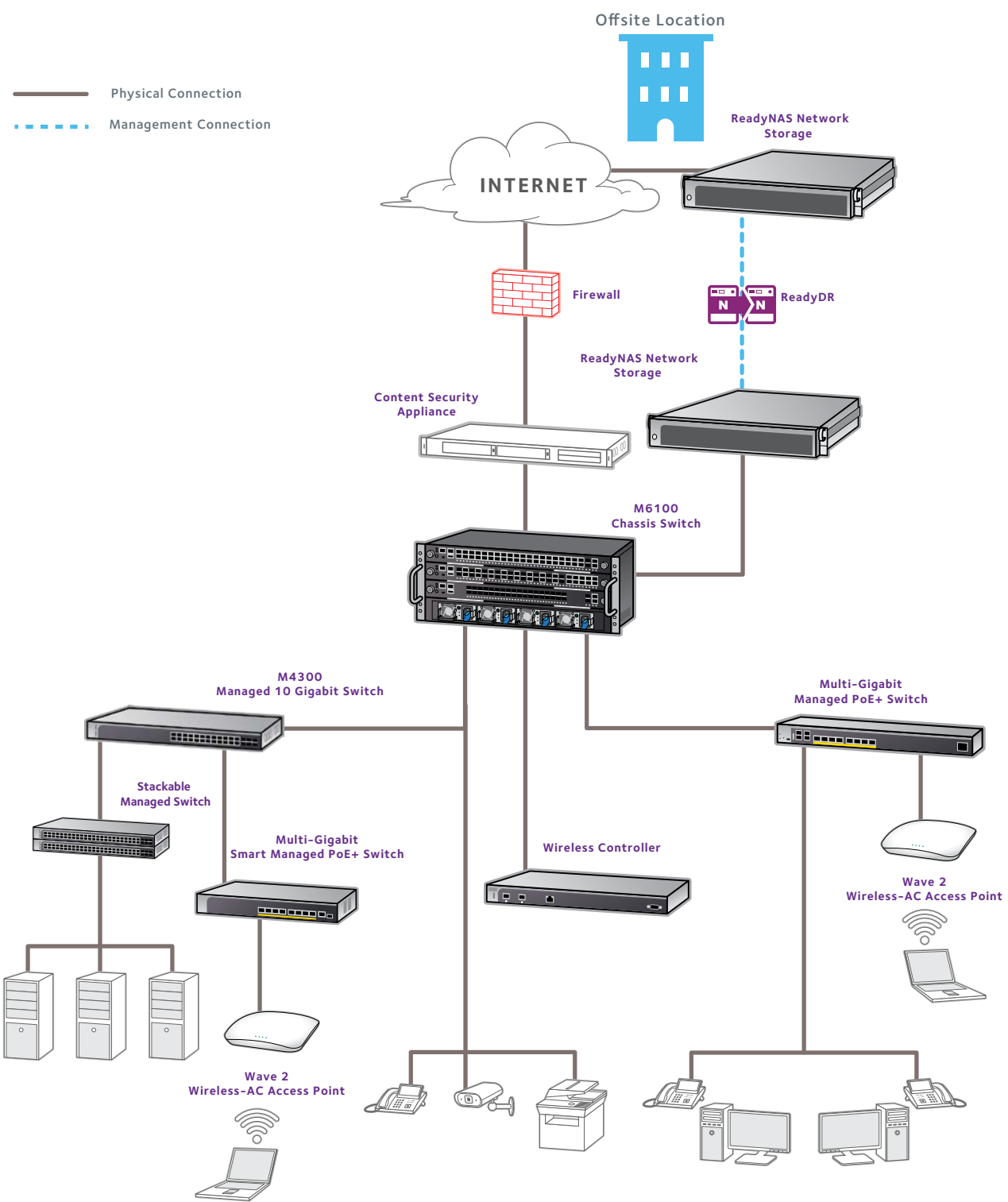
## Connection Setup





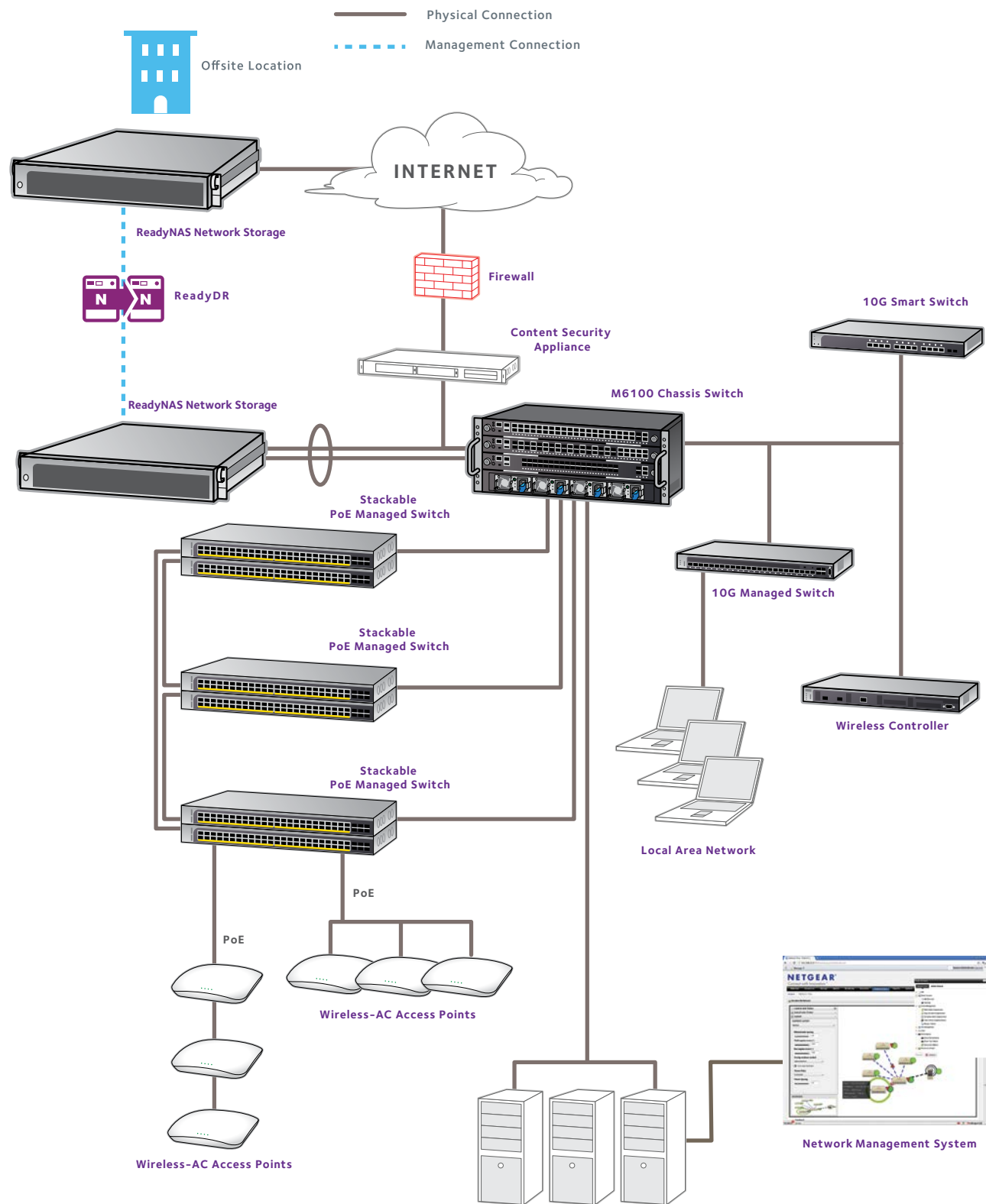
# NETWORK SOLUTION FOR A GROWING MID-SIZE BUSINESS, 75-250 USERS

## Connection Setup

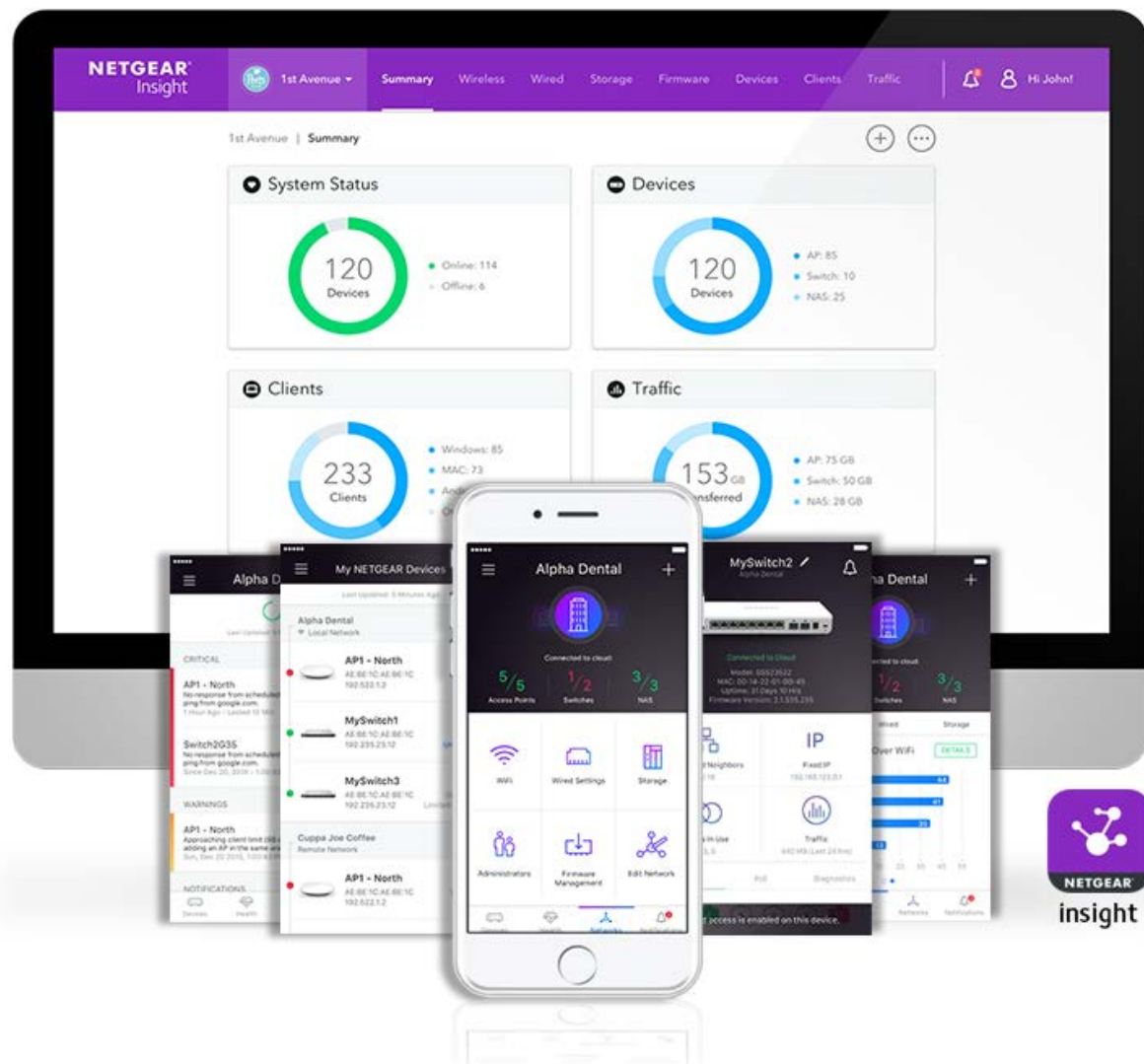


# NETWORK SOLUTION FOR AN ENTERPRISE BUSINESS, 250-500+ USERS

## Connection Setup







# NETGEAR Insight Management Solution

## UNIFIED REMOTE NETWORK VISIBILITY AND CONTROL WITH NETGEAR INSIGHT

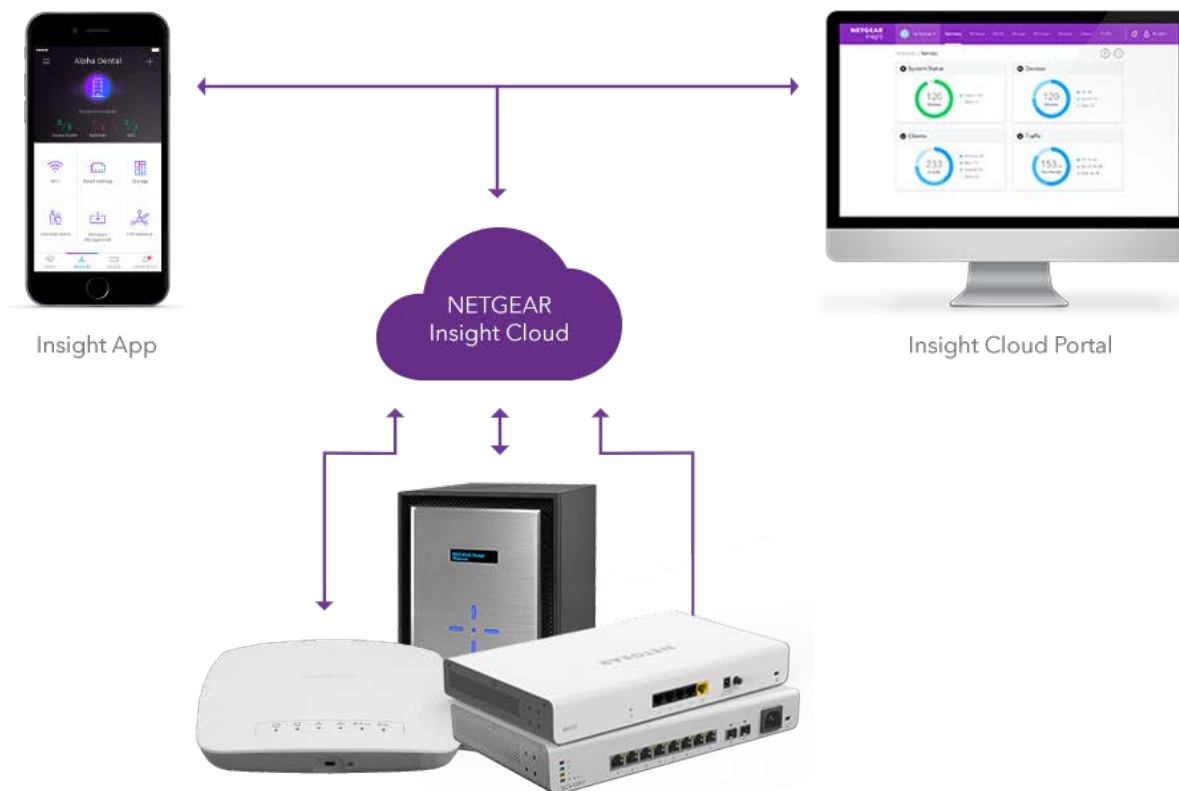


The NETGEAR Insight™ management solution was custom-built from the ground up to meet the specific needs of businesses and provide an unrivaled remote management user experience. The Insight platform allows any small and medium business owner or their IT services professional to discover and setup their NETGEAR Insight Managed devices, remote monitor and manage them with the ease, simplicity and intuitiveness of either a mobile app or a Cloud portal\*, anytime, anywhere. Best yet NETGEAR Insight does this without requiring businesses to purchase additional management hardware or software.

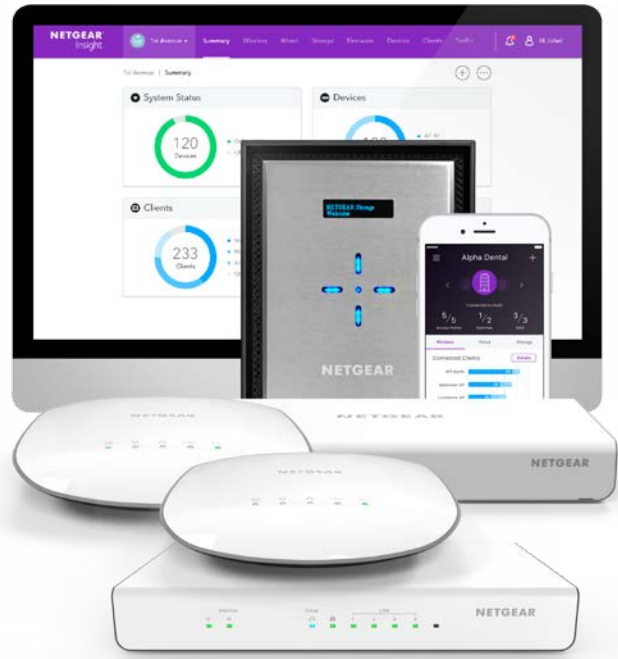
NETGEAR Insight enables multi-location, multi-device configuration of your NETGEAR Insight Managed switches, Insight Managed wireless access points, Insight Instant VPN Routers and Business-Class storage devices either locally or remotely. It provides network management, monitoring and service deployment for the easiest and most user-friendly networking experience.

NETGEAR Insight comes with 3 subscription plans, Insight Basic and Insight Premium for businesses themselves and Insight Pro for Managed Service Providers and Value-added Resellers. Insight Pro can be purchased only through the Distribution channel. For more information on the Insight subscription plans, go to [www.netgear.com/insight](http://www.netgear.com/insight)

Your Network. Anytime. Anywhere.



\*Cloud Portal available with the Insight Premium subscription. See [www.netgear.com/insight](http://www.netgear.com/insight) for details



### Remote management from any screen, small or large

All the setup, monitoring and management features available through the Insight app are now also available through the Insight Cloud portal\*. With a larger screen real estate, users will have a single-pane view of all their devices and their locations in an intuitive interface.

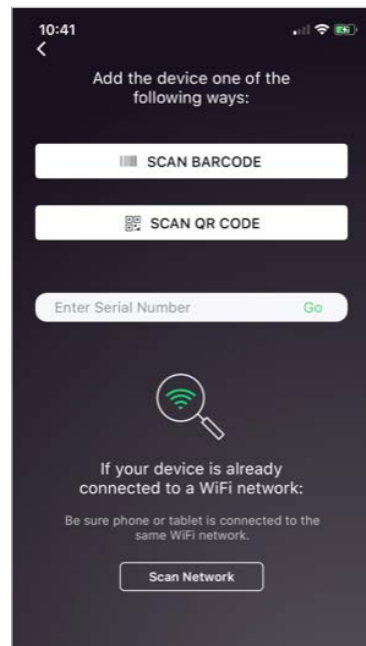


### Plus full-featured mobile app



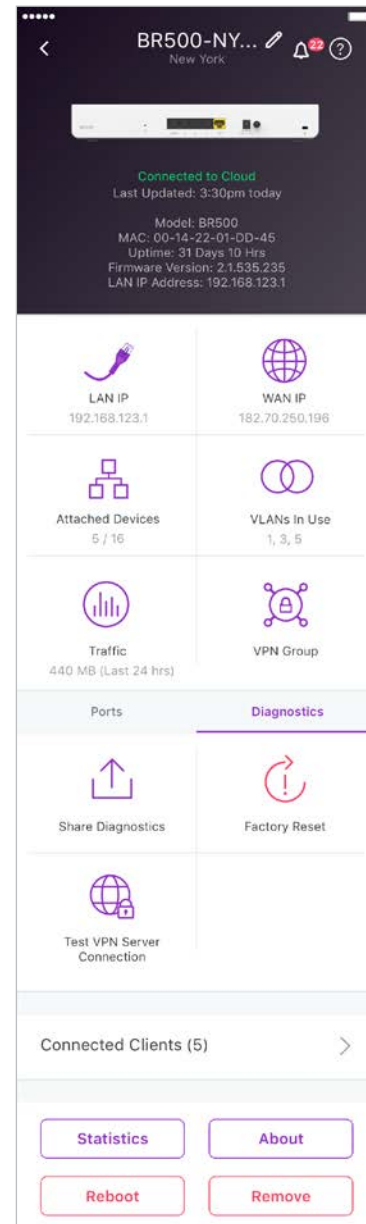
#### ONE-TOUCH MONITORING

Remote monitoring anytime, anywhere



#### ONE-TOUCH SETUP

Easy installation, no need for an IT expert



#### ONE-TOUCH MANAGEMENT

Manage your network from the palm of your hand



| PRODUCT                     | NETGEAR INSIGHT 5.1  |   |
|-----------------------------|--|---|
| Features                    | Full Network Discovery   | <ul style="list-style-type: none"> <li>Discovery of select NETGEAR network devices - Access Points, Switch and Storage and VPN Router</li> <li>Discovery and setup of devices managed by the NETGEAR Insight Managed network devices</li> <li>Multi-device monitoring dashboard</li> <li>NETGEAR Smart Managed Switch Discovery, registration and IP address Management</li> <li>Visibility into WiFi clients</li> </ul>  |
|                             | Setup And Installation Of Insight Managed Devices                      | <ul style="list-style-type: none"> <li>Multiple approaches for easy device discovery via Wifi network discovery mode, QR and bar code scanning</li> <li>Instant VPN Functionality - Router BR500</li> <li>Orbi Pro Insight Management</li> <li>Wireless AP - Router or AP mode set up</li> <li>Set rate limits for upload and download of Insight Managed Wireless AP (across both wired and wireless networks)</li> <li>Setup advanced switching features including VLANs, LAGs, and PoE</li> <li>Auto-join and configure (zero-touch deployment) of additional Insight Managed devices</li> </ul>   |
|                             | Full Monitoring Of Insight Managed Devices                             | <ul style="list-style-type: none"> <li>Device Status Dashboards across wired and wireless networks</li> <li>Device status (Connected, Not reachable, Up time, Firmware version)</li> <li>Detailed logs of device activity</li> <li>Email and push notifications</li> <li>Data usage monitoring</li> </ul>   |
|                             | Complete Management Of Insight Managed Devices                         | <ul style="list-style-type: none"> <li>Device discovery across full wireless and wired network</li> <li>Secure remote user management</li> <li>Create up to 3 site-to-site secure connection</li> <li>Guest WiFi/Captive Portal</li> <li>Firmware upgrade and device reboot</li> <li>Define URL filtering for wireless AP</li> <li>802.1x Radius Authentication</li> <li>VLAN, LAG, QoS, ACLs, and advanced PoE management</li> <li>Smart WiFi management (with Premium subscription)</li> <li>WiFi Fast Roaming (with Premium subscription)</li> <li>PoE scheduler (with Premium subscription)</li> <li>RTP/RSTP/MSTP support (with Premium subscription)</li> </ul> |
|                             | Multi-locations  | <ul style="list-style-type: none"> <li>Easily create and manage multiple locations from a single pane-of-glass</li> <li>Add and configure devices in each network</li> <li>Monitor across all locations from anywhere</li> </ul>  |
| Common Management Ownership | End customer or Managed Service Provider                               |   |
| Security                    | Multi-factor authentication, secure cloud, and router/firewall devices |   |
| Supported Operating System  | iOS (version 8.0 and above), Android (version 4.4 and above)           |   |

### COMPATIBILITY TABLE

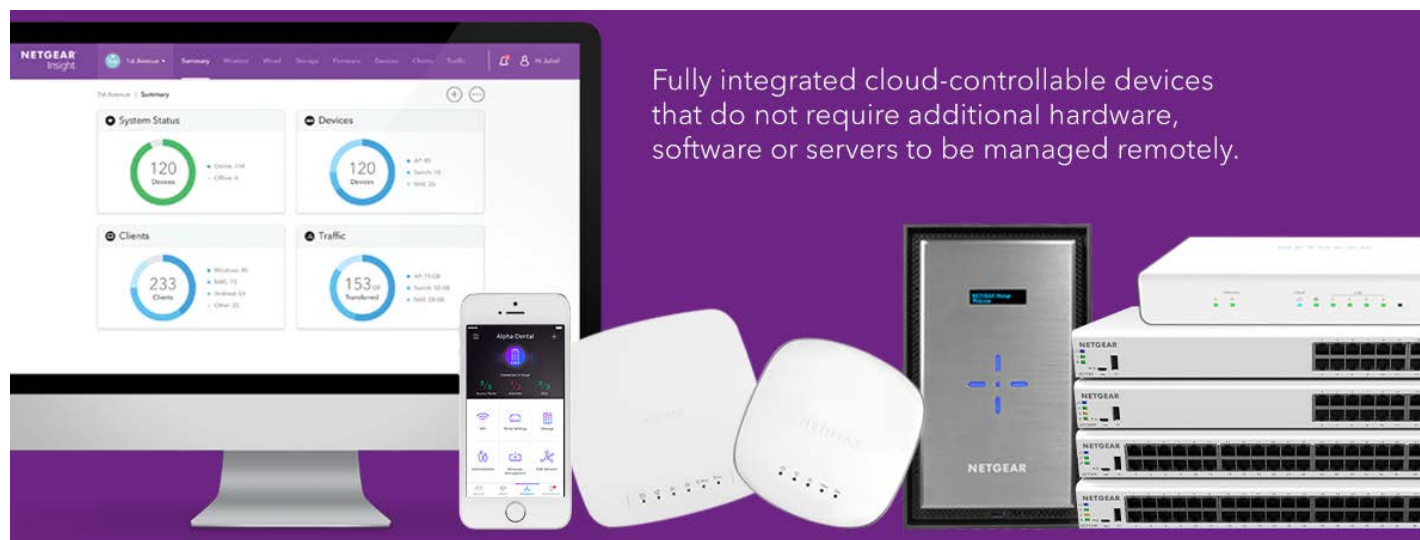
| NETGEAR INSIGHT               | SET-UP | MANAGE | MONITOR | DISCOVER | REGISTER |
|-------------------------------|--------|--------|---------|----------|----------|
| Insight Managed Switches      | X      | X      | X       | X        | X        |
| Insight Managed Access Points | X      | X      | X       | X        | X        |
| Insight Instant VPN Router    | X      | X      | X       | X        | X        |
| Orbi Pro                      | X      | X      | X       | X        | X        |
| ReadyNAS (except 100 series)  |        | X      | X       | X        | X        |
| Smart Managed Plus Switches   |        |        | X       | X        | X        |
| Smart Managed Pro Switches    |        |        | X       | X        | X        |
| WAC700 Series                 |        |        |         | X        | X        |
| WAC100 Series                 |        |        |         | X        | X        |
| Fully Managed Switches        |        |        |         |          | X        |
| Unmanaged Switches            |        |        |         |          | X        |
| ReadyNAS 100 Series           |        |        |         |          | X        |

\*Cloud Portal available with the Insight Premium subscription. See [www.netgear.com/insight](http://www.netgear.com/insight) for details.



## INTRODUCING INSIGHT PRO FOR OUR PARTNERS

Insight Pro is a Cloud platform that makes Network as a Service (NaaS) possible for our partners. NETGEAR now offers the possibility to have both hardware and services that you can manage, monitor 24/7, and provide support for customers.



### EASE OF USE, RICH FEATURES AND SECURITY



#### Multi-tenancy & Multi-location

- One Insight Pro account can centrally manage from a single view
- Roles & responsibilities definition



#### WiFi roaming & capabilities

- Fast roaming & security
- Captive portal



#### Automated deployment & updates

- Firmware updates scheduling
- PoE Scheduling



#### Easy configuration & management

- VLANs, LAGs, PoE
- WiFi configuration



#### Remote provisioning

- Centralized device configuration
- PoE & port configuration

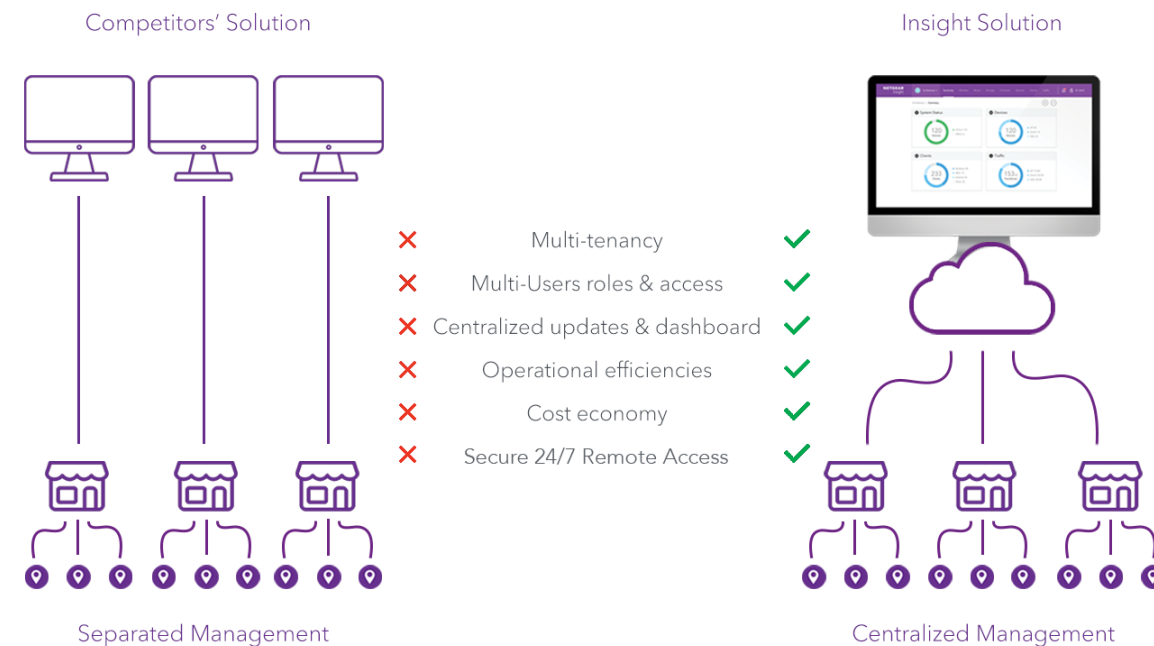


#### Advanced security

- Two-factor authentication
- Cloud security

## UNIQUE EFFICIENT MULTI-TENANT MODEL

Insight Pro is built for scalability and growth. With multi-location & multi-tenant capabilities you can easily set up all the networks for your customers and as an admin give everyone specific rights depending on their role (Manager, Owner).

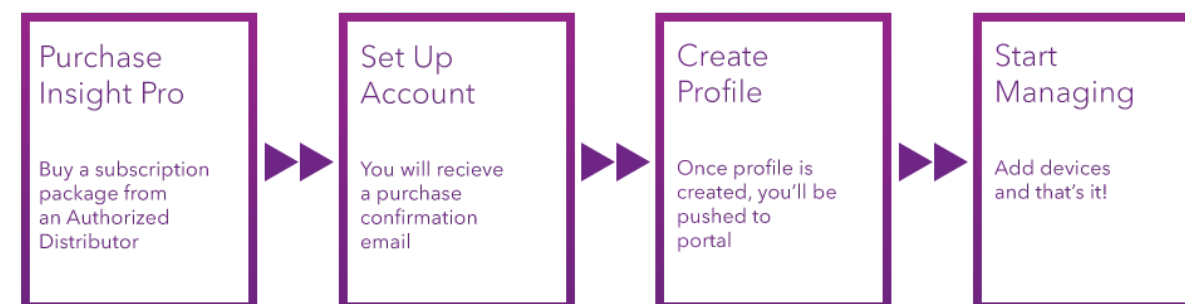


### MOVE TO A PROFITABLE RECURRING REVENUE MODEL

Leverage technology to set up 24x7 customer network monitoring & make up for lost hardware margins with increased service revenue

- Move to Recurring Revenue model to raise profitability
- Leverage Cloud technology to reduce investment
- Automate & Replication low value, mundane tasks to increase efficiency and scale your business
- Get full visibility and proactively react on your customer networks to improve customer satisfaction and customer retention

### HOW IT WORKS FOR VARS AND MSPS





## NETGEAR FEATURES THE MOST COMPREHENSIVE, SCALABLE AND AFFORDABLE SWITCHING PORTFOLIO

NETGEAR offers a uniquely comprehensive portfolio of highly flexible and scalable network switches that fit every business need. From 5 to 144 ports, with Gigabit, Multi-Gigabit or 10-Gigabit copper and/or fiber connectivity, intuitive network management options, including Cloud management with Insight, and advanced L2 and L3 features, comprehensive PoE support and unique form factors, NETGEAR is unrivaled in the switching choice it offers to its business customers. NETGEAR switches also feature business-friendly advanced switching technology packaged in sleek modern designs with innovative mounting options with its Click switches and Easy-Mount switches.

### UNMANAGED

Plug and Play switching for organizations in need of instant connectivity. No management required.

### SMART MANAGED PLUS

Entry level management for essential services. Set priority for voice, video and other data traffic for enhanced service and performance.

### SMART MANAGED PRO

For growing organizations needing more refined control, incorporating secure setup, access and automated management of prioritized voice, video and data traffic.

### SMART CLOUD

Fully integrated cloud manageable switches. Easily setup, deploy, manage & monitor your Smart Cloud switches through the NETGEAR Insight app.

### FULLY MANAGED

For bigger and maturing networks where granular control is key to minimizing traffic congestion and performance bottlenecks for convergence based applications.

### CHASSIS

Advance your networking to a new generation of Chassis switch to provide reliability, vastly increased speed and deployment versatility. This is a platform that has no hidden licensing or support costs and where Enterprise IT meets SMB price points.

Just pick the switch that's best for you!

## SWITCHING

|                          | UNMANAGED            | SMART MANAGED PLUS | SMART MANAGED PRO         | SMART CLOUD | FULLY MANAGED | CHASSIS |         |           |           |           |         |           |             |       |       |
|--------------------------|----------------------|--------------------|---------------------------|-------------|---------------|---------|---------|-----------|-----------|-----------|---------|-----------|-------------|-------|-------|
| Customer                 | Small                |                    |                           | Small       |               |         |         |           |           |           |         |           |             |       |       |
| Switching                | L2                   |                    |                           | L2+/Lite L3 | L2+/L3        | L2/3/4  |         |           |           |           |         |           |             |       |       |
| 10/100                   | FS/JFS Series        |                    | FS Series                 |             | M4100         |         |         |           |           |           |         |           |             |       |       |
| GbE                      | 200/600              | 300                | 100                       | 500         | Click         | 100     | 400/500 | GS Series | GS Series | GS Series | S3300   | GC Series | M4100/M4200 | M4300 | M6100 |
| GbE w/10G SFP+           |                      |                    |                           |             |               |         |         | GS Series | GS Series | GS Series | S3300   | GC Series |             |       |       |
| GbE w/10GbE and 10G SFP+ |                      |                    |                           |             |               |         |         |           |           |           | S3300   |           |             |       |       |
| 10GbE                    |                      |                    | XS708Ev2                  | XS716E      |               |         |         |           | XS Series |           |         |           |             | M4300 | M6100 |
| Multi-gig                | XS505/8M and GS110MX |                    | GS110EMX<br>XS512EM/724EM |             | MS Series     |         |         |           |           |           |         |           | M4200       |       |       |
| Management               |                      |                    | NMS300                    |             |               |         |         |           |           |           | Insight |           | NMS300      |       |       |



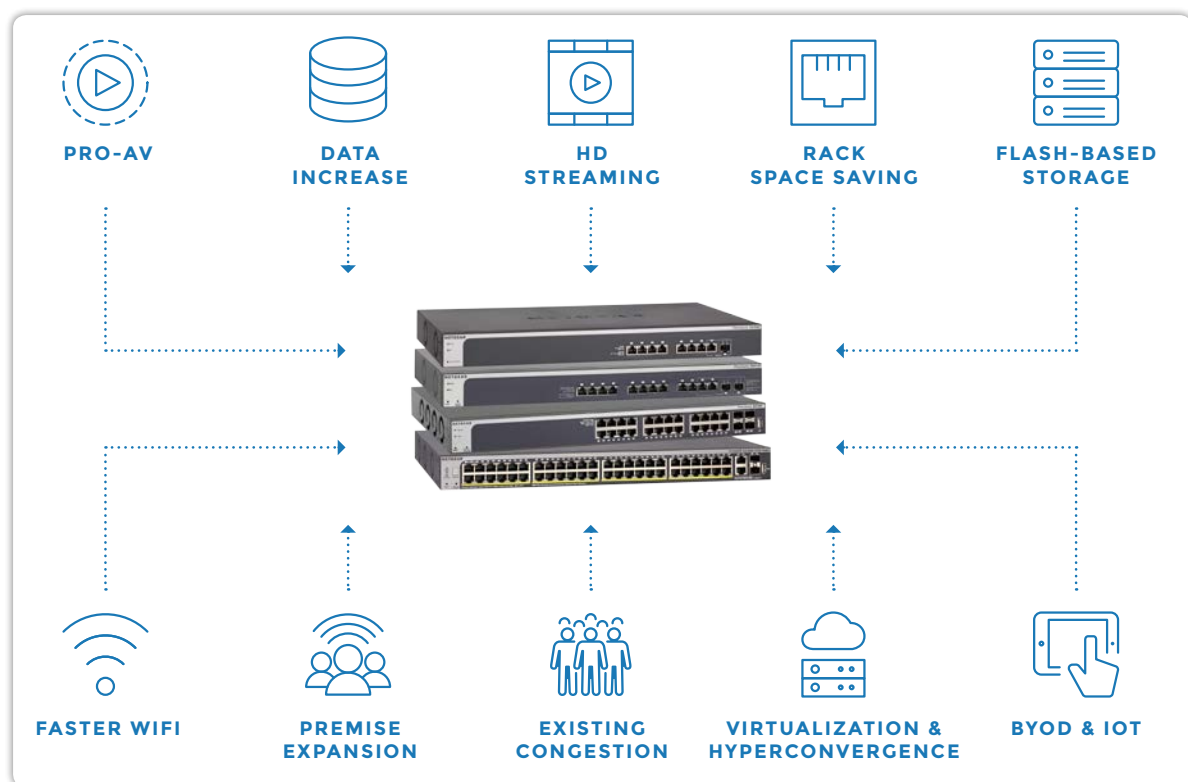
## EXPERIENCE THE MOST COMPREHENSIVE AND AFFORDABLE FULL 10-GIGABIT BUSINESS SWITCH PORTFOLIO

Connectivity matters more every day!

Network connectivity is the new utility. As water runs out of the tap flawlessly, network data is expected to do the same. Users want to be able to connect with any device, anywhere and anytime with high quality, super-fast connections and no downtime.

### 10 drivers for 10-Gigabit networking

Modern applications, wireless device expansion and IT optimization are now moving 10-Gigabit connectivity to the top of Enterprise IT teams' priorities. The increase in mobility, voice and video combined with virtualization and the doubling of data every 2 years are some of the main drivers for bottlenecks that are occurring in parts of the network not previously seen with Gigabit connectivity. 10-Gigabit is the new Gigabit!



### NETGEAR 10-Gigabit Portfolio

NETGEAR is the leader in the 10-Gigabit Enterprise switch market with the most versatile and comprehensive offerings in the market at the most affordable price points. Enjoy the highest security and scalability, massive performance and absolutely no downtime with our high-end 10-Gigabit switches. NETGEAR has you covered with a uniquely comprehensive portfolio of highly flexible and scalable full 10-Gigabit switches that fit every business need. From 8 to 48 ports, featuring both copper and fiber options, 1U full width and 1U half-width (for more efficient use of rack space), NETGEAR is unrivaled in the choice it offers business customers looking for 10-Gigabit switching. The future of networking is now!

### Follow the X!

An X in the model name at NETGEAR is your guide to faster speed! An "X" at the beginning = Full 10-Gigabit connectivity! An "X" near the end = 10-Gigabit uplinks on both switches and ReadyNAS. We made them easy to find.



Full 10-Gigabit X models comparison charts. Just pick the one that's best for you!

### FULL 10-GIGABIT X MODELS

| MODEL             | XS708Ev2           | XS716E             | XS708T            | XS712Tv2          | XS716T            | XS728T            | XS748T            |
|-------------------|--------------------|--------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Management        | Smart Managed Plus | Smart Managed Plus | Smart Managed Pro | Smart Managed Pro | Smart Managed Pro | Smart Managed Pro | Smart Managed Pro |
| Total 10Gb ports  | 8                  | 16                 | 8                 | 12                | 16                | 28                | 48                |
| 10Gb Copper ports | 8                  | 16                 | 8                 | 12                | 16                | 24                | 44                |
| 10Gb SFP+ ports   | 1 combo            | 1 combo            | 2 combo           | 2 combo           | 2 combo           | 4 dedicated       | 4 dedicated       |
| Line rate (Gbps)  | 160                | 320                | 160               | 240               | 320               | 560               | 960               |
| Full rackmount    | Y                  | Y                  | Y                 | Y                 | Y                 | Y                 | Y                 |

### STACKABLE M4300 SERIES MODELS

| MODEL NAME        | M4300-8X8F    | M4300-12X12F  | M4300-24X     | M4300-24X24F  | M4300-48X     | M4300-96X       |
|-------------------|---------------|---------------|---------------|---------------|---------------|-----------------|
| MODEL NO          | XSM4316S      | XSM4324S      | XSM4324CS     | XSM4348S      | XSM4348CS     | XSM4396K0 OR K1 |
| Management        | Fully Managed | Fully Managed | Fully Managed | Fully Managed | Fully Managed | Fully Managed   |
| Total 10Gb ports  | 16            | 24            | 24            | 48            | 48            | Up to 96        |
| 10Gb Copper ports | 8             | 12            | 24            | 24            | 48            | Up to 96        |
| 10Gb SFP+ ports   | 8 dedicated   | 12 dedicated  | 4 combo       | 24 dedicated  | 4 combo       | Up to 96        |
| 40Gb QSFP+ ports  |               |               |               |               |               | Up to 24        |
| Line rate (Gbps)  | 320           | 480           | 480           | 960           | 960           | 1,920           |
| Half Width        | Y             | Y             | Y             |               |               |                 |
| Full width        |               |               |               | Y             | Y             | Y (2U)          |



## NETGEAR INDUSTRY-FIRST CLICK & EASY-MOUNT SWITCHES

Put your ports where you need them and where other switches cannot go!



### Click Switch Deployment Innovation

Simple to use mounting bracket enables vertical or horizontal orientation of ports. To install, just mount the bracket onto a wall, desk, table leg/pole or "Virtually Anywhere", and "Click" the switch into the bracket.

With Power-over-Ethernet (PoE) models, one wire will bring power AND network connectivity to the WiFi Access Points, surveillance cameras, and VoIP phones, so no need to install wall plugs in odd places!

### Easy-Mount "Virtually Anywhere" Mounting System

The Easy-Mount Virtually Anywhere™ mounting system gives you the flexibility to place your PoE+ ports in locations where other switches will not go (under a counter/table, on the wall, on a pole or table leg, or even up in the ceiling or in ventilation ducts with its plenum rating).

If you do have an IT closet or rack, its unique design also allows for two switches to be mounted in a single 1U rack slot, saving valuable rack space while allowing for future expansion as needed. With Power-over-Ethernet (PoE), one wire will bring power AND network connectivity to the WiFi Access Points, PTZ surveillance cameras, and VoIP phones, even in dense areas.



Just pick the one that fits your needs!

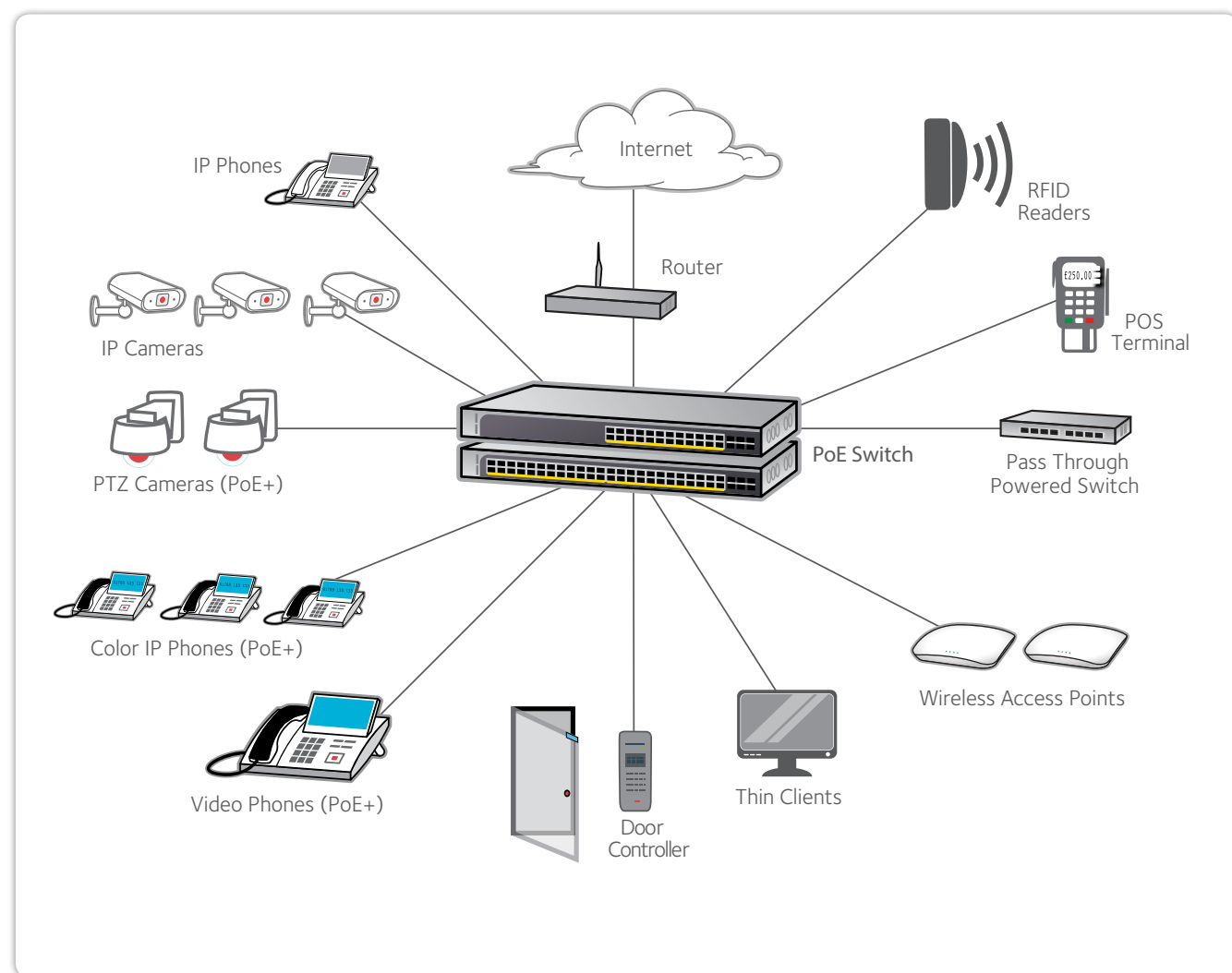
|                          | CLICK SWITCH  |   |  | EASY-MOUNT SWITCH/RACKMOUNT & BACK TO BACK IN 1U                           |  |   |
|--------------------------|---|---|--|--|--|---|
|                          |   |   |  |  |  |   |
| MODEL                    | GSS108E   | GSS116E   | GSS108EPP  | GS408EPP   | GS418TPP   | M4200-10MG-POE+   |
| Description              | 8-port Gigabit Click Switch w/2 USB charging ports                              | 16-port Gigabit Click Switch  | 8-port Gigabit Click Switch w/4-port PoE+  | 8-port PoE+ Gigabit Easy-Mount Switch                                      | Easy-Mount 16-Port PoE+ Gigabit Smart Managed Pro Switch with 2 SFP Ports      | Full Power PoE+ 8x2.5G and 2x10G Aggregation Switch For Wave 2 11ac AP deployment |
| Typical Deployment       | Noise-sensitive environment, small offices, retail, primary care centers, cafes | Noise-sensitive environment, small offices, retail, primary care centers, cafes | Noise-sensitive environment, small offices, retail, primary care centers, cafes with PoE devices | SMBs, retail, primary care centers, cafes with dense PoE device deployment | Hospitality, catering, education, retail with very dense PoE device deployment | Wireless AC Wave 2 device deployment, SMBs with dense PoE device deployment       |
| Gigabit Ethernet ports   | 8   | 16  | 8  | 8  | 16 + 2SFP  |   |
| Multi-Gig Ethernet ports |   |   |  |  |  | 8   |
| 10-Gigabit ports         |   |   |  |  |  | 2 SFP   |
| PoE+ ports               |   |   | 4  | 8  | 16   | 8   |
| PoE budget               |   |   | 47W  | 124W   | 240W   | 240W  |
| Fan(s)                   | Fanless   | Fanless   | Fanless  | Active fan/low noise   | Active fan/low noise   | Active fan/low noise  |
| Management               | Smart Managed Plus  | Smart Managed Plus  | Smart Managed Plus   | Smart Managed Plus   | Smart Managed Pro  | Fully Managed   |



## RELIABLE, AFFORDABLE, SIMPLE POE SOLUTIONS FOR YOUR BUSINESS

Power-over-Ethernet (PoE) is a revolutionary technology that has been quickly adopted by devices such as VoIP phones, IP video surveillance, and wireless access points. PoE supplies not only data but also power through that same Ethernet cable, allowing for easier deployment of devices and greatly reducing electrical wiring requirements.

### PoE APPLICATIONS



## NETGEAR OFFERS A BROAD SPECTRUM OF POWER-OVER-ETHERNET SWITCHES

### NETGEAR SWITCHES WITH POE / POE+ / UPOE

| MODEL   | PORTS  | POE PORTS       | POE BUDGET  |
|---|--|-----------------|---|
| UNMANAGED SWITCHES  |  |                 |   |
| FS108P  | 8 x FE   | 4               | 53W   |
| FS116P  | 16 x FE  | 8               | 70W   |
| GS305P  | 5 x GbE  | 4               | 55.5W   |
| GS308P  | 8 x GbE  | 4               | 53W   |
| GS108LP   | 8 x GbE  | 8 (PoE+)        | 60W*  |
| GS108PP   | 8 x GbE  | 8 (PoE+)        | 123W*   |
| GS116LP   | 16 x GbE   | 16 (PoE+)       | 76W*  |
| GS116PP   | 16 x GbE   | 16 (PoE+)       | 183W*   |
| SMART MANAGED PLUS SWITCHES   |  |                 |   |
| GS105PE* (PD-Powered Device ONLY - NO AC POWER)                       | 5 x GbE  | 2 x PoE, 1 x PD | up to 19W with 802.3at power in, up to 7.9W with 802.3af power in         |
| GS108PE   | 8 x GbE  | 4               | 53W   |
| GS108EPP  | 8 x GbE  | 4 (PoE+)        | 47W   |
| GS408EPP  | 8 x GbE  | 8 (PoE+)        | 124W  |
| JGS516PE  | 16 x GbE   | 8               | 85W   |
| JGS524PE  | 24 x GbE   | 12              | 100W  |
| SMART MANAGED PRO SWITCHES  |  |                 |   |
| GS110TP   | 8 x GbE + 2 SFP  | 8               | 46W   |
| GS510TLP  | 8 x GbE + 2 SFP  | 8 (PoE+)        | 75W   |
| GS510TP   | 8 x GbE + 2 SFP  | 8 (PoE+)        | 130W  |
| GS510TTP  | 8 x GbE + 2 SFP  | 8 (PoE+)        | 190W  |
| MSS10TXPP   | 4 x GbE + 2 x 2.5GbE + 2 x 5GbE + 1 x 10GBASE-T + 1 x SFP+ | 8 (PoE+)        | 180W  |
| GS516TP   | 16 x GbE   | 8 x PoE, 2 x PD | 76W (AC in), 22W (2x802.3at in), 11W (1x802.3at + 1x802.3af in)           |
| GS418TTP  | 16 x GbE + 2 SFP   | 16 (PoE+)       | 240W  |
| FS728TLP  | 24 x FE + 2 x GbE + 2 Combo SFP                            | 12              | 100W  |
| FS728TP   | 24 x FE + 2 x GbE + 2 Combo SFP                            | 24              | 192W  |
| GS724TPv2   | 24 x GbE and 2 GbE dedicated SFP                           | 24 (PoE+)       | 190W  |
| GS728TP   | 24 x GbE and 4 GbE dedicated SFP                           | 24 (8 PoE+)     | 192W  |
| GS728TPv2   | 24 x GbE and 4 GbE dedicated SFP                           | 24 PoE+         | 190W  |
| GS728TTP  | 24 x GbE and 4 GbE dedicated SFP                           | 24 PoE+         | 384W  |
| GS728TTPv2  | 24 x GbE and 4 GbE dedicated SFP                           | 24 PoE+         | 380W  |
| GS752TP   | 48 x GbE and 4 GbE dedicated SFP                           | 48 (8 PoE+)     | 384W  |
| GS752TPv2   | 48 x GbE and 4 GbE dedicated SFP                           | 48 PoE+         | 380W  |
| GS752TTP  | 48 x GbE and 4 GbE dedicated SFP                           | 48 PoE+         | 760W  |
| STACKABLE SMART MANAGED PRO SWITCHES                                  |  |                 |   |
| S3300-28X-POE+ (GS728TTP)   | 24 x GbE + 4 Dedicated 10G ports (2 RJ45 + 2 SFP+)         | 24 (PoE+)       | 195W and up to 720W with RPS  |
| S3300-52X-POE+ (GS752TTP)   | 48 x GbE + 4 Dedicated 10G ports (2 RJ45 + 2 SFP+)         | 48 (PoE+)       | 390W and up to 1400W with RPS   |
| GS752TPSB (incl. AGC761 stacking cable)                               | 48 x GbE and 2 Combo SFP and 4 Dedicated 1G/2.5G SFP       | 48 (8 PoE+)     | 384W  |
| SMART CLOUD MANAGED SWITCHES  |  |                 |   |
| GC110P  | 8 x GbE + 2 x 1G SFP                                       | 8               | 62W   |
| GC510P  | 8 x GbE + 2 x 1G SFP                                       | 8 (PoE+)        | 134W  |
| GC510PP   | 8 x GbE + 2 x 1G SFP                                       | 8 (PoE+)        | 195W  |
| GC728XP   | 24 x GbE + 2 x 1G SFP + 2 x 10G SFP+                       | 24 (PoE+)       | 390W  |
| GC752XP   | 48 x GbE + 2 x 1G SFP + 2 x 10G SFP+                       | 48 (PoE+)       | 505W  |
| M4100 SERIES MANAGED SWITCHES (L2+ STANDALONE)                        |  |                 |   |
| M4100-12GF (GSM7212F)   | 12 x GbE with 12 shared SFP and 4 GbE PoE+                 | 4 (PoE+)        | 150W  |
| M4100-26G-POE (GSM7226LP)   | 26 x GbE + 4 Combo SFP                                     | 24              | 192W and up to 380W with EPS  |
| M4100-24G-POE+ (GSM7224P)   | 24 x GbE + 4 Combo SFP                                     | 24 (PoE+)       | 380W and up to 720W with EPS  |
| M4100-50G-POE+ (GSM7248P)   | 50 x GbE + 4 Combo SFP                                     | 48 (PoE+)       | 380W and up to 1,440W with EPS  |
| M4200 SERIES INTELLIGENT EDGE MANAGED SWITCHES (L2+ L3 MULTI-GIGABIT) |  |                 |   |
| M4200-10MG-POE+ (GSM4210P)  | 8 x 2.5G + 2 x 10GBASE-T                                   | 8 (PoE+)        | 240W  |
| M4300 SERIES INTELLIGENT EDGE MANAGED SWITCHES (L2+ L3 STACKABLE)     |  |                 |   |
| M4300-28G-POE+ (GSM4328PA)  | 24 x GbE + 2 x 10GBASE-T + 2 x 10GBASE-X SFP+              | 24 (PoE+)       | 480W 1 PSU (APS550W) 720W 2 PSUs  |
| M4300-28G-POE+ (GSM4328PB)  | 24 x GbE + 2 x 10GBASE-T + 2 x 10GBASE-X SFP+              | 24 (PoE+)       | 630W (110V) 720W (220V) 1 PSU (APS1000W) 720W 2 PSUs                      |
| M4300-52G-POE+ (GSM4352PA)  | 48 x GbE + 2 x 10GBASE-T + 2 x 10GBASE-X SFP+              | 48 (PoE+)       | 480W 1 PSU (APS550W) 720W 2 PSUs  |
| M4300-52G-POE+ (GSM4352PB)  | 48 x GbE + 2 x 10GBASE-T + 2 x 10GBASE-X SFP+              | 48 (PoE+)       | 591W (110V) 860W (220V) 1 PSU (APS1000W) 1010W (110V) 1440W (220V) 2 PSUs |
| M4300-96X (XSM4396K0)   | Up to 96 x 10GBASE-T or SFP+; up to 24 x QSFP+             | 48 (PoE+)       | 484W (110V) 634W (220V) 1 PSU (APS1200W) 1440W (2 PSU) (APS1200W)         |
| M6100 SERIES CAMPUS EDGE AND SMB CORE CHASSIS SWITCHES                |  |                 |   |
| XCM89P  | PoE/PoE+ daughter card for XCM8944 & XCM8948               | Up to 136 PoE+  | Up to 30W per port  |
| XCM89UP   | PoE/PoE+ & UPOE daughter card for XCM8944 & XCM8948        | Up to 136 UPOE  | Up to 60W per port  |

\* New Flexible PoE Power budgets with GS108LP/GS108PP/GS116LP/GS116PP allow for upgrading your PoE budget by purchasing an optional replacement power adapter.

## Switch Naming Convention

### Unmanaged & Smart Managed Plus – How to read the product code

FS/JFS GS/JGS GSS MS XS 1 08 E M X LP P PP

- Fast Ethernet
- Gigabit Ethernet
- Gigabit Ethernet ClickSwitch
- Multigigabit Ethernet (5-speed)
- 10-Gigabit Ethernet
- Series (see below for legend)
- Number of Ports
- Smart Managed Plus
- Multigigabit Ethernet (5-speed) uplinks (GS-Series)\* capable ports (XS-Series)
- 10-Gigabit uplinks
- Low Power PoE
- PoE or PoE+
- High Power PoE or PoE+

### Smart Managed Pro & Smart Cloud Switches – How to read the product code

FS GS GC MS XS 7 52 T X LP P PP S

- Fast Ethernet
- Gigabit Ethernet
- Smart Cloud Gigabit Ethernet
- Multigigabit Ethernet (5-speed)
- 10-Gigabit Ethernet
- Series (see below for legend)
- Number of Ports
- Smart Managed ProStackable
- 10-Gigabit uplinks
- Low Power PoE
- PoE or PoE+
- High Power PoE or PoE+
- Stackable

\*Note: S3300 (GS728X/XP & GS752X/XP) are also stackable.

### Fully Managed Switches – How to read the product code

GS M 7 3 28 S XS M 7 2 24 S

- Gigabit Ethernet
- Fully Managed
- Switch Series
- Layer 3
- Number of Ports
- Stackable
- 10-Gigabit Ethernet
- Fully Managed
- Switch Series
- Layer 2+
- Number of Ports
- Stackable

### Legend

- 1 = Desktop (ProSAFE, Insight)
- 2 = Desktop Essentials (Plastic)
- 3 = Desktop Essentials (Metal)
- 4 = Easy-Mount
- 5 = Desktop/Rackmount (13")
- 6 = Desktop SOHO (Plastic)
- 7 = Rackmount (17")
- 8 = Nighthawk Pro Gaming (Desktop)
- 9 = Desktop Lifestyle (Plastic)

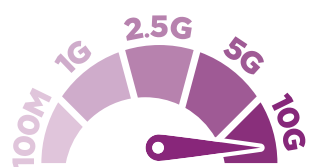
## A SHORT GUIDE TO NETGEAR SWITCHES MANAGEMENT

Just pick the type of management that is right for you

|  | Unmanaged<br>FOR HOME AND BUSINESS | Smart Managed Plus<br>FOR HOME AND BUSINESS | Smart Managed Pro<br>FOR SMB NETWORKS | Smart Cloud<br>FOR SMB NETWORKS | Fully Managed<br>FOR SMALL NETWORK CORE AND MID-ENTERPRISE EDGE |
|--|------------------------------------|---|---------------------------------------|---------------------------------|---|
| Split a Single Ethernet Connection         | •                                  | •   | •                                     | •                               | •   |
| Plug-and-Play                              | •                                  | •   | •                                     | •                               | •   |
| Easy to Use                                | •                                  | •   | •                                     | •                               | •   |
| Web GUI Management                         |                                    | •   | •                                     | •                               | •   |
| Network Control (VLAN, QoS, IGMP)          |                                    | •   | •                                     | •                               | •   |
| Network Security (Storm Control, Auto DoS) |                                    | •   | •                                     | •                               | •   |
| Advanced VLAN & QoS                        |                                    | •   | •                                     | •                               | •   |
| Advanced Security                          |                                    | •   | •                                     | •                               | •   |
| Static Routing                             |                                    | •   | •                                     | •                               | •   |
| Higher Performance                         |                                    | •   | •                                     | •                               | •   |
| Advanced L2, L3, L4 Routing and Features   |                                    | •   | •                                     | •                               | •   |
| Insight Management                         |                                    | •   | •                                     | •                               | •   |
| Remote Cloud Management                    |                                    | •   | •                                     | •                               | •   |
| CLI Management                             |                                    | •   | •                                     | •                               | •   |
| SDN Ready                                  |                                    | •   | •                                     | •                               | •   |
| BEST HA & Redundancy                       |                                    | •   | •                                     | •                               | •   |
| Premium Performance                        |                                    | •   | •                                     | •                               | •   |



## UNLOCK YOUR NETWORK POTENTIAL WITH 5-SPEED NETWORKING!



Modern, high-performance network devices such as 5G network cards, gaming computers, desktop computers, servers, network attached storage (NAS) devices, or IEEE 802.11ac Wave 2 wireless access points are capable of 2.5-Gigabit or 5-Gigabit connectivity. With the existing Gigabit and 10-Gigabit Ethernet standards, these devices' potential is wasted:

- The existing Gigabit and 10-Gigabit Ethernet standards do not allow speeds between 10 Gbps and 1 Gbps. If you connect an 802.11ac Wave 2 wireless access point or other Multi-Gigabit-capable device to a 10-Gigabit switch port, the connection automatically downgrades to 1 Gbps because the device cannot achieve 10 Gbps.
- The existing 10-Gigabit Ethernet standard requires Cat 6A or better Ethernet cable for lengths up to 100 meters (328 feet). However, most existing cabling is only Cat 5e or Cat 6, and re-wiring can be costly.

Multi-Gigabit Ethernet switching fixes both problems by allowing a connection to operate at any speed up to the speed of the connected switch port (2.5 Gbps or 5 Gbps) over a Cat 5e or Cat 6 Ethernet cable.

With NETGEAR Multi-Gigabit Ethernet Switches, you can use the full power of your devices without running new cables. Just connect the appropriate port on your NETGEAR Multi-Gigabit Ethernet Switch to a Multi-Gigabit-capable device and your switch selects the fastest supported speed automatically.

### Give the speed that your devices need



### 5 TIMES FASTER USING THE SAME CABLING

|        | 1G | 2.5G | 5G | 10G       |
|--------|----|------|----|-----------|
| CAT 5e | ✓  | ✓    | ✓  |           |
| CAT 6  | ✓  | ✓    | ✓  | 55m Limit |
| CAT 6A | ✓  | ✓    | ✓  | ✓         |

## Multi-Gig vs 5-speed, what is the difference?

**MULTI-GIG PORT:** intelligent port that automatically adapts to the speed required and can provide 2.5G and/or 5G connectivity (NBase-T standard)

**5-SPEED PORT:** intelligent port that automatically adapts to the speed required and can provide either one of the 5 networking speeds: 100M /1G / 2.5G / 5G or 10G.

### NETGEAR WIDE PORTFOLIO OF MULTI-GIG / 5-SPEED SWITCHES

|  | XS505M    | XS508M    | GS110MX   | GS110EMX           | XS512EM            | XS724EM            | MS510TX           | MS510TXPP         | M4200         |
|--|-----------|-----------|-----------|--------------------|--------------------|--------------------|-------------------|-------------------|---------------|
| # of Ports                               | 5         | 8         | 10        | 10                 | 12                 | 24                 | 10                | 10                | 10            |
| # of 1G Ports                            |           |           | 8         | 8                  |                    |                    | 4                 | 4                 |               |
| # of 1G/2.5G Multi-Gig Ports             |           |           |           |                    |                    |                    | 2                 | 2                 | 6             |
| # of 1G/2.5G/5G Multi-Gig Ports          |           |           |           |                    |                    |                    | 2                 | 2                 | 2             |
| # of 10G Fiber Ports                     | 1         | 1         |           |                    | 2                  | 2                  | 1                 | 1                 | 2             |
| # of 5-Speed Ports (100M/1G/2.5G/5G/10G) | 4         | 7         | 2         | 2                  | 12                 | 24                 | 1                 | 1                 |               |
| PoE+ Ports                               |           |           |           |                    |                    |                    |                   | 8                 | 8             |
| Type of Management                       | Unmanaged | Unmanaged | Unmanaged | Smart Managed Plus | Smart Managed Plus | Smart Managed Plus | Smart Managed Pro | Smart Managed Pro | Fully Managed |
| Plug and Play                            | Yes       | Yes       | Yes       | Yes                | Yes                | Yes                | Yes               | Yes               | Yes           |
| Web Interface for Configuration          |           |           |           | Yes                | Yes                | Yes                | Yes               | Yes               | Yes           |
| Easy Mount                               |           |           |           |                    |                    |                    |                   |                   | Yes           |



# NETWORKING FOR ZERO-LATENCY AND FLAWLESS AV-OVER-IP



## Matrix switching challenges

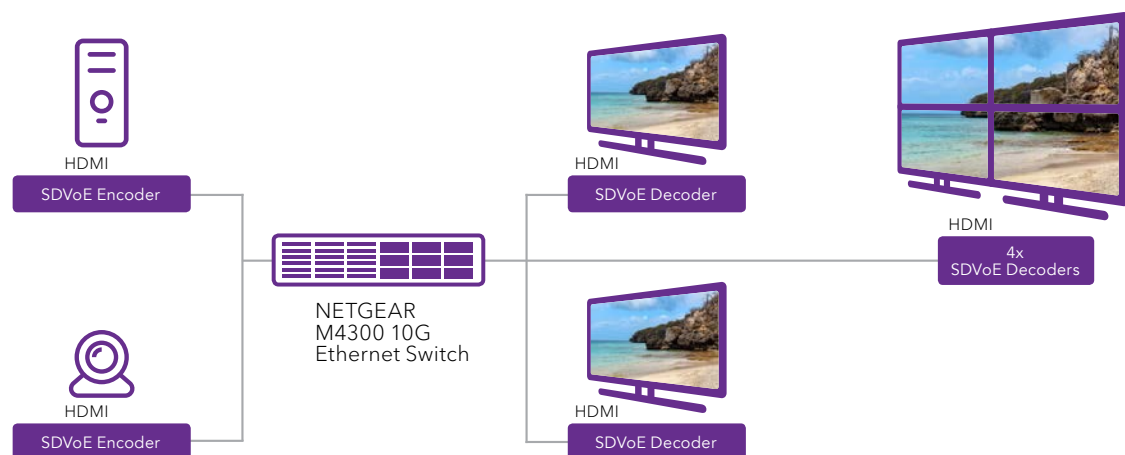
- Lack of scalability**
  - No I/O flexibility - 32x32, 64x64 limits
  - No flexibility when adding ports or upgrading resolution (4K, 8K)
- Proprietary technology & lack of compatibility**
  - No possibility to mix different AV vendors
  - Slower adoption by the IT community
- Complex deployment**
  - Complicated programming required
  - Complex firmware updates

## AV-over-IP with NETGEAR

- Unprecedented cost savings**
  - 16x16 matrix switcher = \$1250 per port
  - NETGEAR 10-Gigabit switches < \$100 per port
- Increased I/O flexibility & scalability**
  - Ethernet ports are fully bi-directional so each port may be treated as an AV input or an AV output.
  - Flexible 1x23, 6x18, 4x20 are all possible.
- Pre-configured – Plug and Play**
  - Firmware optimized for 4K60 video out of the box
  - SDVoE-ready with pre-configured Multicast/IGMP

## More business with more profits

- Win new business with more attractive price points
- Provide more added-value projects
- Tackle more jobs in the same timeframe



## M4300 series

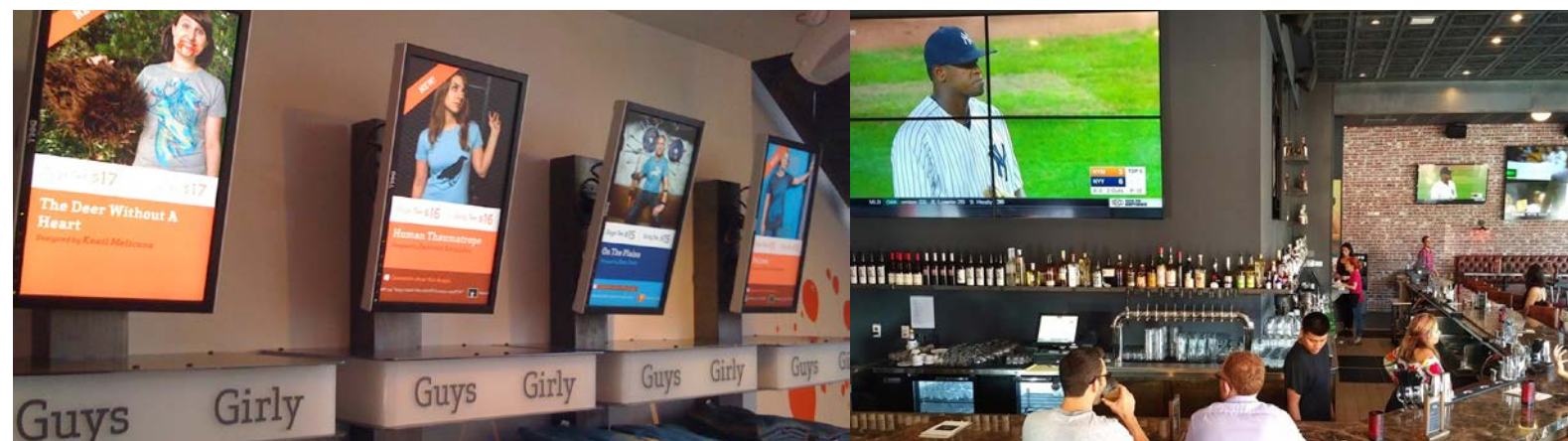


## Pre-configured AV-over-IP switches

- Large portfolio of ProAV switches**
  - 8 to 96 ports of 10G, combined copper and fiber
- Zero-Touch installation**
  - Pre-configured Multicast/ IGMP
- Best-In-Class stacking**
  - high-availability stacking between 10G & 1G
- ProSAFE Lifetime Limited Warranty**
  - Next Business Day Replacement, Lifetime Online chat support

## M4300-96X focus

- Unique 10G / 40G modular solution**
  - 8 to 96 ports of 10G and from 2 to 24 ports of 40G, PoE options
- Scalable**
  - Replaces 8x8, 12x12, 16x16, 24x24 and 48x48 matrix switchers with a single switch
- High-capacity**
  - Even up to a 72x72 equivalent configuration with high-performance stacking



## NETGEAR – SDVoE\* founding member



## SDVoE mission

- Define best practices and guidelines for AV-over-IP
- Member products interact without technical issues
- Use Ethernet to transport AV signals
- Educate the industry on no compromise, flawless AV-over-IP

\*Software-Defined Video over Ethernet [www.sdvoe.org](http://www.sdvoe.org)

## Get help from our experts

- Lifetime hardware warranty
- Next Business Day Replacement
- 24/7 90 day phone support
- 24/7 Lifetime chat support
- Additional ProSUPPORT for Business packages for installation services, extended warranty and phone support
- Active community

## WHY CUSTOMERS CHOOSE NETGEAR UNMANAGED SWITCHES

Unmanaged switches are the ideal solution for small and medium organizations looking to expand their network with a Plug-and-Play solution.

NETGEAR Unmanaged Switches offers a wide range of models for different network deployment requirements.

Unmanaged switches are plug-and-play switches for businesses in need of instant connectivity with no management required. These energy efficient switches are well built and rigorously tested to provide the reliability businesses need. 802.1p traffic prioritization and jumbo frame support allow for seamless integration with more sophisticated networks.

### Discover the 10 reasons why our customers love NETGEAR Unmanaged Switches

|    |                                   |   |
|----|-----------------------------------|---|
| 1  | <b>Market's widest portfolio</b>  | NETGEAR gets you covered with a comprehensive and versatile portfolio of Unmanaged switches including Full Fast Ethernet Switches and Full Gigabit Switches, a wide range of Ethernet port options 5, 8, 16, 24, 48 and multiple form factors.  |
| 2  | <b>Versatile Mounting Options</b> | NETGEAR Unmanaged Switches comes in different form factors (Desktop and Rackmount) that allows you to install it in a wall, as a desktop switch or in a rack in an IT closet.   |
| 3  | <b>Plug-and-Play</b>              | No configuration required, just plug your devices and connect!  |
| 4  | <b>Silent Switches</b>            | All NETGEAR Unmanaged Switches are fanless, which makes them ideal for deployment in a quiet or noise-sensitive environment (conference rooms, doctor's office, office open space,...)  |
| 5  | <b>Traffic Prioritization</b>     | Prioritize mission-critical applications such as voice and video. Support of IEEE 802.1p and DSCP-based QoS for delivering data based on priority and type.   |
| 6  | <b>Easy to Monitor</b>            | Per port LEDs to easily identify each port activity and speed.  |
| 7  | <b>High-Quality Components</b>    | Built with Top Quality components to assure a long life. Unmanaged switches are built to last, and rigorously tested to provide the reliability businesses need.  |
| 8  | <b>Power it all</b>               | Choose from the broadest choice of PoE power to enable seamless PoE connection of standard PoE devices (IP Phones, Wireless Access Points, IP Cameras even high-power Pan-Tilt-Zoom models, IoT devices, etc).  |
| 9  | <b>Energy Efficient</b>           | NETGEAR Unmanaged Switches support the latest Energy Efficient Ethernet (IEEE 802.3az) standard, which reduces energy consumption when there is light traffic on an active ports or when there is no link or no activity detected. It can further save energy when a short cable is used. |
| 10 | <b>Best-in-Class Warranty</b>     | 100/500 Unmanaged Switches are covered with NETGEAR Industry's leading ProSAFE Lifetime Warranty, not only on hardware but also including lifetime online support as well as next-business day (NBD) replacement support, providing customers peace-of-mind.                              |

## Unmanaged Switches

Unmanaged, L2, 10/100 Fast Ethernet



| MODEL                               |  | FS105                                    | FS108                                     | FS108P                                    | FS116                                      |
|-------------------------------------|--|--|---|---|--|
| Port Configuration                  | 10M/100M RJ45 Copper Ports (Auto Uplink)                       | 5  | 8   | 8   | 16   |
|                                     | 10M/100M/1G RJ45 Copper Ports (Auto Uplink)                    |  |   |   |  |
| PoE                                 | # of PoE Ports   |  |   | 4   |  |
|                                     | Power Over Ethernet 802.3af Ports                              |  |   |   |  |
|                                     | PoE Plus (30W) 802.3at Ports                                   |  |   |   |  |
|                                     | Total PoE/PoE+ Budget  |  |   | 53W                                       |  |
| Scalability                         | # MAC Addresses  | 2K                                       | 2K  | 1K  | 8K   |
|                                     | MAC Address Aging (sec)  | 289 sec                                  | 292 sec                                   | 200 ~ 300 sec                             | 200 ~ 300 sec                              |
| Quality of Service                  | Number of Priority Queues                                      |  |   |   | 2  |
|                                     | Traffic Prioritization   |  |   | Honors 802.1p Priority Tags               | Honors 802.1p Priority Tags                |
| Performance                         | Bandwidth  | 1 Gbps                                   | 1.6 Gbps                                  | 1.6 Gbps                                  | 3.2 Gbps                                   |
|                                     | Buffer Memory  | 48 KB                                    | 96 KB                                     | 96 KB                                     | 160 KB                                     |
|                                     | Jumbo Frames   | 2,048 bytes                              | 2,048 bytes                               | Not Supported                             | Not Supported                              |
| Energy Efficiency                   | IEEE 802.3az   | ✓  | ✓   | ✓   |  |
|                                     | Auto Port Power Down   | ✓  | ✓   | ✓   |  |
|                                     | Max Power Consumption  | 0.90W                                    | 1.01W                                     | 3.1W (no PoE)<br>56.1W (with PoE max)     | 5.46W                                      |
| Physical                            | Desktop/Rackmount/Click  | Desktop, Wallmount                       | Desktop, Wallmount                        | Desktop, Wallmount                        | Desktop, Wallmount                         |
|                                     | Metal/Plastic Enclosure  | Metal                                    | Metal                                     | Metal                                     | Metal                                      |
|                                     | MTBF @ 25°C  | 4,262,794 hrs (487 yrs)                  | 4,015,496 hrs (458 yrs)                   | 927,000 hrs (106 yrs)                     | 4,046,880 hrs (462 yrs)                    |
|                                     | Fan(s)   | None                                     | None                                      | None                                      | None                                       |
|                                     | Width x Depth x Height   | 94 x 100 x 27 mm<br>(3.7 x 3.9 x 1.1 in) | 158 x 101 x 27 mm<br>(6.2 x 4.0 x 1.1 in) | 235 x 103 x 27 mm<br>(9.3 x 4.1 x 1.1 in) | 285 x 102 x 27 mm<br>(11.2 x 4.0 x 1.1 in) |
|                                     | Weight   | 0.26 kg (0.57 lb)                        | 0.39 kg (0.86 lb)                         | 0.70 kg (1.54 lb)                         | 0.80 kg (1.76 lb)                          |
| Electromagnetic Compliance          | Class (A or B)   | B  | B   | B   | A  |
| Warranty Hardware*                  |  | Lifetime* Limited                        | Lifetime* Limited                         | Lifetime* Limited                         | Lifetime* Limited                          |
| Warranty Power Supply               |  | 2 years                                  | 2 years                                   | 2 years                                   | 2 years                                    |
| ProSUPPORT Maintenance Contracts*** | OnCall 24x7 1-year<br>OnCall 24x7 3-year<br>OnCall 24x7 5-year | PMB0S11<br>PMB0S31<br>PMB0S51            | PMB0S11<br>PMB0S31<br>PMB0S51             | PMB0S11<br>PMB0S31<br>PMB0S51             | PMB0S11<br>PMB0S31<br>PMB0S51              |



# Unmanaged Switches

Unmanaged, L2, 10/100 Fast Ethernet



| MODEL                               | FS116P                                      | JFS516                                  | JFS524                                  |
|-------------------------------------|---|---|---|
| Port Configuration                  | 10M/100M RJ45 Copper Ports (Auto Uplink)    | 16                                      | 24                                      |
|                                     | 10M/100M/1G RJ45 Copper Ports (Auto Uplink) |   |   |
| PoE                                 | # of PoE Ports                              |   |   |
|                                     | Power Over Ethernet 802.3af Ports           | 8                                       |   |
|                                     | PoE Plus (30W) 802.3at Ports                |   |   |
|                                     | Total PoE/PoE+ Budget                       | 70W                                     |   |
| Scalability                         | # MAC Addresses                             | 8k                                      | 8K                                      |
|                                     | MAC Address Aging (sec)                     | 200 ~ 300 sec                           | 300 sec                                 |
| Quality of Service                  | Number of Priority Queues                   | 2                                       | 4                                       |
|                                     | Traffic Prioritization                      | Honors 802.1p Priority Tags             | Honors 802.1p Priority Tags             |
| Performance                         | Bandwidth                                   | 3.2 Gbps                                | 3.2 Gbps                                |
|                                     | Buffer Memory                               | 256 KB                                  | 256 KB                                  |
|                                     | Jumbo Frames                                | not supported                           | 2,048 bytes                             |
| Energy Efficiency                   | IEEE 802.3az                                | ✓                                       | ✓                                       |
|                                     | Auto Port Power Down                        | ✓                                       |   |
|                                     | Max Power Consumption                       | 10W (no PoE) 80W (with PoE max)         | 2.7W                                    |
| Physical                            | Desktop/Rackmount/Click                     | Desktop/Wallmount                       | Desktop, Rackmount                      |
|                                     | Metal/Plastic Enclosure                     | Metal                                   | Metal                                   |
|                                     | MTBF @ 25°C                                 | 546,673 hrs (62 yrs)                    | 2,956,082 hrs (337 yrs)                 |
|                                     | Fan(s)                                      | None                                    | None                                    |
|                                     | Width x Depth x Height                      | 286 x 102 x 27 mm (11.3 x 4.0 x 1.1 in) | 280 x 126 x 44 mm (11.0 x 5.0 x 1.7 in) |
|                                     | Weight                                      | 0.90 kg (1.98 lb)                       | 0.92 kg (2.03 lb)                       |
| Electromagnetic Compliance          | Class (A or B)                              | A                                       | A                                       |
| Warranty Hardware*                  | Lifetime* Limited                           | Lifetime* Limited                       | Lifetime* Limited                       |
| Warranty Power Supply               | 2 years                                     | Internal (same as switch)               | Internal (same as switch)               |
| ProSUPPORT Maintenance Contracts*** | OnCall 24x7 1-year                          | PMB0511                                 | PMB0512                                 |
|                                     | OnCall 24x7 3-year                          | PMB0531                                 | PMB0532                                 |
|                                     | OnCall 24x7 5-year                          | PMB0551                                 | PMB0552                                 |

# Unmanaged Switches

Unmanaged, L2, Gigabit



| MODEL                               | GS305                                       | GS305P                                | GS308                                  | GS308P                                 |
|-------------------------------------|---|---------------------------------------|--|--|
| Port Configuration                  | 10M/100M RJ45 Copper Ports (Auto Uplink)    |                                       |  |  |
|                                     | 10M/100M/1G RJ45 Copper Ports (Auto Uplink) | 5                                     | 5                                      | 8                                      |
| PoE                                 | # of PoE Ports                              |                                       |  |  |
|                                     | Power Over Ethernet 802.3af Ports           |                                       | 4                                      | 4                                      |
|                                     | PoE Plus (30W) 802.3at Ports                |                                       |  |  |
|                                     | Total PoE/PoE+ Budget                       |                                       | 55.5W                                  | 53W                                    |
| Scalability                         | # MAC Addresses                             | 2K                                    | 2K                                     | 8K                                     |
|                                     | MAC Address Aging (sec)                     | 300 sec                               | 300 sec                                | 300 sec                                |
| Quality of Service                  | Number of Priority Queues                   |                                       |  |  |
|                                     | Traffic Prioritization                      | 802.1p based QoS/CoS                  | 802.1p based QoS/CoS                   | 802.1p based QoS/CoS                   |
| Performance                         | Bandwidth                                   | 10 Gbps                               | 10 Gbps                                | 16 Gbps                                |
|                                     | Buffer Memory                               | 128 KB                                | 128 KB                                 | 128 KB                                 |
|                                     | Jumbo Frames                                | 9,216 bytes                           | 9,216 bytes                            | 9,216 bytes                            |
| Energy Efficiency                   | IEEE 802.3az                                | ✓                                     | ✓                                      | ✓                                      |
|                                     | Auto Port Power Down                        | ✓                                     | ✓                                      | ✓                                      |
|                                     | Max Power Consumption                       | 2.15W                                 | 3.4W (no PoE) 60.0W (with PoE max)     | 3.04W                                  |
| Physical                            | Form-factor/Mounting (Desktop, Wall, Rack)  | Desktop, Wallmount                    | Desktop, Wallmount                     | Desktop, Wallmount                     |
|                                     | Metal/Plastic Enclosure                     | Metal                                 | Metal                                  | Metal                                  |
|                                     | MTBF @ 25°C                                 | 3,831,422 hrs (437 yrs)               | 3,222,482 hrs (368 yrs)                | 3,711,898 hrs (424 yrs)                |
|                                     | Fan(s)                                      | None                                  | None                                   | None                                   |
|                                     | Width x Depth x Height                      | 101 x 94 x 29 mm (4.0 x 3.7 x 1.1 in) | 158 x 101 x 29 mm (6.2 x 4.0 x 1.1 in) | 158 x 101 x 29 mm (6.2 x 4.0 x 1.1 in) |
|                                     | Weight                                      | 0.25 kg (0.55 lb)                     | 0.41 kg (0.9 lb)                       | 0.39 kg (0.86 lb)                      |
| Electromagnetic Compliance          | Class (A or B)                              | B                                     | A                                      | B                                      |
| Warranty Hardware*                  | 3 years                                     | 3 years                               | 3 years                                | 3 years                                |
| Warranty Power Supply               | 3 years                                     | 3 years                               | 3 years                                | 3 years                                |
| ProSUPPORT Maintenance Contracts*** | OnCall 24x7 1-year                          | PMB0511                               | PMB0511                                | PMB0511                                |
|                                     | OnCall 24x7 3-year                          | PMB0531                               | PMB0531                                | PMB0531                                |
|                                     | OnCall 24x7 5-year                          | PMB0551                               | PMB0551                                | PMB0551                                |

## Unmanaged Switches

Unmanaged, L2, Gigabit



| MODEL                                   | GS316                                    | GS324                                   | GS348                                  | GS908                   |
|---|--|---|--|-------------------------|
| Port Configuration                      | 10M/100M RJ45 Copper Ports (Auto Uplink) |   |  |                         |
|   | 16                                       | 24                                      | 48                                     | 8                       |
| PoE                                     | # of PoE Ports                           |   |  |                         |
|   | Power Over Ethernet 802.3af Ports        |   |  |                         |
|   | PoE Plus (30W) 802.3at Ports             |   |  |                         |
|   | Total PoE/PoE+ Budget                    |   |  |                         |
| Scalability                             | # MAC Addresses                          |   |  |                         |
|   | 16K                                      | 8K                                      | 8K                                     | 8K                      |
|   | MAC Address Aging (sec)                  |   |  |                         |
|   | 300 sec                                  | 300 ~ 600 sec                           | 300 sec                                | 300 sec                 |
| Quality of Service                      | Number of Priority Queues                |   |  |                         |
|   | Traffic Prioritization                   |   |  |                         |
| Performance                             | Bandwidth                                |   |  |                         |
|   | 32 Gbps                                  | 48 Gbps                                 | 96 Gbps                                | .0 Gbps                 |
|   | Buffer Memory                            |   |  |                         |
|   | 768 KB                                   | 512 KB                                  | 1.5 MB                                 | 128 KB                  |
|   | Jumbo Frames                             |   |  |                         |
|   | 9,216 bytes                              | 9,216 bytes                             | 9,216 bytes                            | 9,216 bytes             |
| Energy Efficiency                       | IEEE 802.3az                             |   |  |                         |
|   | ✓  | ✓                                       | ✓                                      | ✓                       |
|   | Auto Power Down                          |   |  |                         |
|   | ✓  | ✓                                       | ✓                                      | ✓                       |
|   | Max Power Consumption                    |   |  |                         |
|   | 8.4W                                     | 11.1W                                   | 23W                                    | 3.1W                    |
| Physical                                | Desktop/Rackmount/Click                  |   |  |                         |
|   | Desktop, Wallmount                       | Desktop, Wallmount, Rackmount           | Desktop, Rackmount                     | Desktop, Wallmount      |
|   | Metal/Plastic Enclosure                  |   |  |                         |
|   | Metal                                    | Metal                                   | Metal                                  | Plastic                 |
|   | MTBF @ 25°C                              |   |  |                         |
|   | 9,041,798 hrs (1032 yrs)                 | 620,798 hrs (71 yrs)                    | 1,094,297 hrs (125 yrs)                | 6,768,957 hrs (773 yrs) |
|   | Fan(s)                                   |   |  |                         |
| None                                    | None                                     | None                                    | None                                   |                         |
| Width x Depth x Height                  |  |   |  |                         |
| 286 x 101 x 26 mm (11.3 x 4.0 x 1.0 in) | 252 x 180 x 44 mm (9.9 x 7.1 x 1.7 in)   | 440 x 202 x 43 mm (17.3 x 8.0 x 1.7 in) | 234 x 164 x 33 mm (9.2 x 6.5 x 1.3 in) |                         |
| Weight                                  |  |   |  |                         |
| 0.84 kg (1.86 lb)                       | 1.31 kg (2.90 lb)                        | 3.15 kg (6.95 lb)                       | 0.36 kg (0.80 lb)                      |                         |
| Electromagnetic Compliance              | Class (A or B)                           |   |  |                         |
|   | A  | A                                       | A                                      | B                       |
| Warranty Hardware*                      | 3 years                                  |   |  |                         |
| Warranty Power Supply                   | 3 years                                  |   |  |                         |
| ProSUPPORT Maintenance Contracts***     | OnCall 24x7 1-year                       | PMB0S12                                 | PMB0S12                                | PMB0S11                 |
|   | OnCall 24x7 3-year                       | PMB0S32                                 | PMB0S32                                | PMB0S31                 |
|   | OnCall 24x7 5-year                       | PMB0S52                                 | PMB0S52                                | PMB0S51                 |

## Unmanaged Switches

Unmanaged, L2, Gigabit



| MODEL                                 | GS105                                    | GS108                                  | GS108LP                                | GS108PP                               |
|---------------------------------------|--|--|--|---------------------------------------|
| Port Configuration                    | 10M/100M RJ45 Copper Ports (Auto Uplink) |  |  |                                       |
|                                       | 5  | 8                                      | 8                                      | 8                                     |
| PoE                                   | # of PoE Ports                           |  |  |                                       |
|                                       | Power Over Ethernet 802.3af Ports        |  |  |                                       |
|                                       | PoE Plus (30W) 802.3at Ports             |  |  |                                       |
|                                       | Total PoE/PoE+ Budget                    |  |  |                                       |
|                                       |  |  | 60W                                    | 60W                                   |
| Scalability                           | # MAC Addresses                          |  |  |                                       |
|                                       | 2K                                       | 4K                                     | 4K                                     | 4K                                    |
|                                       | MAC Address Aging (sec)                  |  |  |                                       |
|                                       | 300 sec                                  | 300 sec                                | 300 sec                                | 300 sec                               |
| Quality of Service                    | Number of Priority Queues                |  |  |                                       |
|                                       | Traffic Prioritization                   |  |  |                                       |
| Performance                           | Bandwidth                                |  |  |                                       |
|                                       | 10 Gbps                                  | 16 Gbps                                | 16 Gbps                                | 16 Gbps                               |
|                                       | Buffer Memory                            |  |  |                                       |
|                                       | 128 KB                                   | 192 KB                                 | 192 KB                                 | 192 KB                                |
|                                       | Jumbo Frames                             |  |  |                                       |
|                                       | 9,216 bytes                              | 9,720 bytes                            | 9,216 bytes                            | 9,216 bytes                           |
| Energy Efficiency                     | IEEE 802.3az                             |  |  |                                       |
|                                       | ✓  | ✓                                      | ✓                                      | ✓                                     |
|                                       | Auto Port Power Down                     |  |  |                                       |
|                                       | ✓  | ✓                                      | ✓                                      | ✓                                     |
|                                       | Max Power Consumption                    |  |  |                                       |
|                                       | 2.7W                                     | 4.92W                                  | 3.86W (no PoE)<br>67.5W (with PoE max) | 3.86W (no PoE)<br>130W (with PoE max) |
| Physical                              | Desktop/Rackmount/Click                  |  |  |                                       |
|                                       | Desktop/Wallmount                        | Desktop/Wallmount                      | Desktop/Wallmount/Rackmount            | Desktop/Wallmount/Rackmount           |
|                                       | Metal/Plastic Enclosure                  |  |  |                                       |
|                                       | Metal                                    | Metal                                  | Metal                                  | Metal                                 |
|                                       | MTBF @ 25°C                              |  |  |                                       |
|                                       | 3,197,945 hrs (365 yrs)                  | 9,727,733 hrs (1110 yrs)               | 2,752,476 hrs (314 yrs)                | 2,752,476 hrs (314 yrs)               |
| Fan(s)                                |  |  |  |                                       |
| None                                  | None                                     | None                                   | None                                   |                                       |
| Width x Depth x Height                |  |  |  |                                       |
| 94 x 100 x 27 mm (3.7 x 3.9 x 1.1 in) | 158 x 102 x 27 mm (6.2 x 4.0 x 1.1 in)   | 236 x 102 x 27 mm (9.3 x 4.0 x 1.1 in) | 236 x 102 x 27 mm (9.3 x 4.0 x 1.1 in) |                                       |
| Weight                                |  |  |  |                                       |
| 0.26 kg (0.57 lb)                     | 0.47 kg (1.04 lb)                        | 0.60 kg (1.32 lb)                      | 0.60 kg (1.32 lb)                      |                                       |
| Electromagnetic Compliance            | Class (A or B)                           |  |  |                                       |
|                                       | B  | B                                      | A                                      | A                                     |
| Warranty Hardware*                    | Lifetime* Limited                        |  |  |                                       |
| Warranty Power Supply                 | 2 years                                  |  |  |                                       |
| ProSUPPORT Maintenance Contracts***   | OnCall 24x7 1-year                       | PMB0S11                                | PMB0S11                                | PMB0S12                               |
|                                       | OnCall 24x7 3-year                       | PMB0S31                                | PMB0S31                                | PMB0S32                               |
|                                       | OnCall 24x7 5-year                       | PMB0S51                                | PMB0S51                                | PMB0S52                               |

# Unmanaged Switches

Unmanaged, L2, Gigabit



| MODEL                               | GS116                                    | GS116LP | GS116PP | JGS516 | JGS524 |
|-------------------------------------|--|---------|---------|--------|--------|
| Port Configuration                  | 10M/100M RJ45 Copper Ports (Auto Uplink) |         |         |        |        |
|                                     | 16                                       | 16      | 16      | 16     | 24     |
| PoE                                 | # of PoE Ports                           |         |         |        |        |
|                                     | 16                                       |         |         |        |        |
|                                     | Power Over Ethernet 802.3af Ports        |         |         |        |        |
|                                     | 16                                       |         |         |        |        |
| Scalability                         | PoE Plus (30W) 802.3at Ports             |         |         |        |        |
|                                     | Total PoE/PoE+ Budget                    |         |         |        |        |
|                                     | 76W / 183W                               |         |         |        |        |
| Quality of Service                  | # MAC Addresses                          |         |         |        |        |
|                                     | 8K                                       |         |         |        |        |
| Performance                         | MAC Address Aging (sec)                  |         |         |        |        |
|                                     | 300 sec                                  |         |         |        |        |
|                                     | Number of Priority Queues                |         |         |        |        |
| Energy Efficiency                   | Traffic Prioritization                   |         |         |        |        |
|                                     | 802.1p based QoS/CoS                     |         |         |        |        |
|                                     | Bandwidth                                |         |         |        |        |
| Physical                            | Buffer Memory                            |         |         |        |        |
|                                     | 256 KB                                   |         |         |        |        |
|                                     | Jumbo Frames                             |         |         |        |        |
| Electromagnetic Compliance          | 9,216 bytes                              |         |         |        |        |
|                                     | IEEE 802.3az                             |         |         |        |        |
|                                     | none                                     |         |         |        |        |
| Warranty Hardware*                  | Auto Port Power Down                     |         |         |        |        |
|                                     | ✓  |         |         |        |        |
|                                     | Max Power Consumption                    |         |         |        |        |
| Warranty Power Supply               | 9.5W                                     |         |         |        |        |
|                                     | 12.9W (no PoE) / 90W (with PoE max)      |         |         |        |        |
|                                     | 12.9W (no PoE) / 200W (with PoE max)     |         |         |        |        |
| ProSUPPORT Maintenance Contracts*** | Desktop/Rackmount/Click                  |         |         |        |        |
|                                     | Desktop, Wallmount                       |         |         |        |        |
|                                     | Metal/Plastic Enclosure                  |         |         |        |        |
| Warranty                            | Metal                                    |         |         |        |        |
|                                     | MTBF @ 25°C                              |         |         |        |        |
|                                     | 554,582 hrs (6.3 yrs)                    |         |         |        |        |
| ProSUPPORT Maintenance Contracts*** | Fan(s)                                   |         |         |        |        |
|                                     | None                                     |         |         |        |        |
|                                     | Width x Depth x Height                   |         |         |        |        |
| ProSUPPORT Maintenance Contracts*** | 286 x 100 x 27 mm (11.3 x 3.9 x 1.1 in)  |         |         |        |        |
|                                     | 0.90 kg (1.98 lb)                        |         |         |        |        |
|                                     | Class (A or B)                           |         |         |        |        |
| ProSUPPORT Maintenance Contracts*** | A  |         |         |        |        |
|                                     | Lifetime* Limited                        |         |         |        |        |
|                                     | 2 years                                  |         |         |        |        |
| ProSUPPORT Maintenance Contracts*** | OnCall 24x7 1-year                       |         |         |        |        |
|                                     | PMB0512                                  |         |         |        |        |
|                                     | OnCall 24x7 3-year                       |         |         |        |        |
| ProSUPPORT Maintenance Contracts*** | PMB0532                                  |         |         |        |        |
|                                     | OnCall 24x7 5-year                       |         |         |        |        |
|                                     | PMB0552                                  |         |         |        |        |

# Unmanaged Switches

Unmanaged, L2, 10G/Multi-Gig Switches



| MODEL                               | XS505M  | XS508M | GS110MX |
|-------------------------------------|---|--------|---------|
| Port Configuration                  | 10M/100M/1G RJ45 Copper Ports (Auto Uplink)         |        |         |
|                                     | 4   | 8      | 2       |
|                                     | 100M/1G/2.5G/5G/10G RJ45 Copper Ports (Auto Uplink) |        |         |
| PoE                                 | 10G SFP+ Fiber Ports                                |        |         |
|                                     | 1 SFP+ (dedicated)                                  |        |         |
|                                     | 1 Combo SFP+ (10G)                                  |        |         |
|                                     | # of PoE ports                                      |        |         |
| Scalability                         | # PoE+ 802.3at Ports                                |        |         |
|                                     | # of PD port  |        |         |
|                                     | Total PoE/PoE+ Budget                               |        |         |
| Quality of Service                  | # MAC Addresses                                     |        |         |
|                                     | 2K  |        |         |
| Performance                         | MAC Address Aging (typical, sec)                    |        |         |
|                                     | 300 sec   |        |         |
|                                     | 802.1p-based QoS/CoS                                |        |         |
| Energy Efficiency                   | ✓   |        |         |
|                                     | Total Bandwidth (Non-Blocking Fabric)(Gbps)         |        |         |
|                                     | 10 Gbps   |        |         |
| Physical                            | Buffer Memory (Packet Buffer Size)                  |        |         |
|                                     | 125 KB  |        |         |
|                                     | Jumbo Frames  |        |         |
| Electromagnetic Compliance          | 9,216 bytes   |        |         |
|                                     | IEEE 802.3az  |        |         |
|                                     | ✓   |        |         |
| Warranty Hardware*                  | Auto Port Power Down                                |        |         |
|                                     | ✓   |        |         |
|                                     | Short Cable Detection/Power Saving                  |        |         |
| Warranty Power Supply               | ✓   |        |         |
|                                     | Max Power Consumption                               |        |         |
|                                     | 22.5W / 39W / 13.2W                                 |        |         |
| ProSUPPORT Maintenance Contracts*** | Desktop/Rackmount/Click                             |        |         |
|                                     | Desktop/Wallmount                                   |        |         |
|                                     | Metal/Plastic Enclosure                             |        |         |
| ProSUPPORT Maintenance Contracts*** | Metal   |        |         |
|                                     | MTBF @ 25°C   |        |         |
|                                     | 1,093,237 hrs (125 yrs)                             |        |         |
| ProSUPPORT Maintenance Contracts*** | Fan(s)  |        |         |
|                                     | 1   |        |         |
|                                     | Acoustic Noise @ 25°C                               |        |         |
| ProSUPPORT Maintenance Contracts*** | 22.5dBA   |        |         |
|                                     | Width x Depth x Height                              |        |         |
|                                     | 328 x 169 x 43 mm (12.9 x 6.7 x 1.7 in)             |        |         |
| ProSUPPORT Maintenance Contracts*** | Weight  |        |         |
|                                     | 1.38 kg (3.04 lb)                                   |        |         |
|                                     | Class (A or B)                                      |        |         |
| ProSUPPORT Maintenance Contracts*** | B   |        |         |
|                                     | Lifetime* Limited                                   |        |         |
|                                     | 2 years   |        |         |
| ProSUPPORT Maintenance Contracts*** | OnCall 24x7 1-year                                  |        |         |
|                                     | PMB0311   |        |         |
|                                     | OnCall 24x7 3-year                                  |        |         |
| ProSUPPORT Maintenance Contracts*** | PMB0331   |        |         |
|                                     | OnCall 24x7 5-year                                  |        |         |
|                                     | PMB0351   |        |         |



## WHY SMART SMBs CHOOSE SMART MANAGED PLUS SWITCHES

Smart Managed Plus switches are the ideal solution for small and medium organizations looking to step up from unmanaged switches and go beyond simple network connectivity.

NETGEAR Gigabit Smart Managed Plus Switches deliver network monitoring, traffic prioritization and network segmentation to small businesses who want more visibility and control on top of plug-and-play connectivity. Easy-to-use web browser-based management GUI makes advanced setup simple.

They also come with leading ProSAFE Lifetime Hardware Warranty, Lifetime Technical Support through online chat, and Lifetime Next Business Day hardware replacement for utmost peace of mind.

### Discover the 10 reasons why our customers love NETGEAR Smart Managed Plus Switches

|    |   |  |
|----|---|--|
| 1  | <b>Market's widest product portfolio</b>                | NETGEAR gets you covered with a comprehensive and versatile portfolio of Smart Managed Plus switches including 1-Gigabit, Multi-Gigabit, 10-Gigabit connectivity, a large range of PoE/PoE+ budgets and choice of copper or fiber for flexible deployment.   |
| 2  | <b>Unique Mounting Form Factors (Click, Easy-Mount)</b> | NETGEAR Smart Managed Plus Click & Easy-Mount Switches feature an innovative mounting system that allow them to be easily located where you need them - under a table, on a pole/desk leg, or on the wall - with their flexible mounting bracket. Their unique slim and sleek design also enables "out of sight" deployment like no other switch does. |
| 3  | <b>Know what's happening in your Network</b>            | Identify any possible cable issues or abnormal traffic behavior with cable health test and port statistics   |
| 4  | <b>Secure your Network</b>                              | Add protection to your network against possible threats thanks to Auto DoS and Storm Control features. Moreover, you can isolate the different networks (voice, video, data) using VLANs.  |
| 5  | <b>Full 10-Gigabit models</b>                           | NETGEAR is leading by far the 10-Gigabit switching market and provides a full range of 10G Smart Switches with low-latency, line-rate 10G Copper "BASE-T" technology with backward compatibility to Fast Ethernet (depending on model) and Gigabit Ethernet.   |
| 6  | <b>Smart IT, not big IT</b>                             | Easy-to-use web browser-based management GUI makes setup and management simple. Get the smart features with the easiest management.  |
| 7  | <b>Easy-to-Configure</b>                                | Intuitive GUI interface with Basic Configuration Modes to help any customer to configure any network protocol.   |
| 8  | <b>Power it all</b>                                     | Choose from the broadest choice of PoE/PoE+ power to enable seamless PoE connection of standard PoE devices (IP Phones, Wireless Access Points, IP Cameras even high-power Pan-Tilt-Zoom models, IoT devices, etc).  |
| 9  | <b>Plus Redundancy</b>                                  | Smart Managed Plus Switches provide link redundancy with static LAG support and Loop Prevention to minimize possible downtimes.  |
| 10 | <b>Best-in-Class Warranty</b>                           | All NETGEAR Smart Managed Plus are covered for the full life of the hardware, including next business-day replacement. In addition, all NETGEAR switches with ProSAFE Lifetime Warranty include 90 days of technical support via phone and lifetime support through online chat.   |

## Smart Managed Plus Switches

Smart Managed Plus, L2, Gigabit



| MODEL                               | GS105E   | GS105PE   | GS108E                                    | GS116E                                    | JGS516PE                                 |  |
|-------------------------------------|--|---|---|---|--|--|
| Port Configuration                  | 10M/100M/1G RJ45 Copper Ports (Auto Uplink)                    | 5   | 5   | 8   | 16                                       |  |
| PoE                                 | PoE (15.4W) 802.3af Ports                                      | 2   |   | 8   |  |  |
|                                     | Total PoE/PoE+ Budget  | PoE pass-thru:<br>- With AT in: 19.0W<br>- With AF in: 7.9W |   | 85W                                       |  |  |
| Scalability                         | # MAC Addresses  | 2K  | 2K  | 4K  | 16K                                      |  |
|                                     | Dynamic MAC  | ✓   | ✓   | ✓   | ✓  |  |
| System Management                   | Single IP Management   |   |   |   |  |  |
|                                     | Web Managed/GUI  | ✓   | ✓   | ✓   | ✓  |  |
|                                     | DHCP (Client/Server)   | DHCP Client   | DHCP Client                               | DHCP Client                               | DHCP Client                              |  |
|                                     | Port Mirroring   | Many-to-One   | Many-to-One                               | Many-to-One                               | Many-to-One                              |  |
| Quality of Service                  | Number of Priority Queues                                      | 4   | 4   | 4   | 4  |  |
|                                     | Traffic Prioritization   | 802.1p, Port-based and DSCP                                 | 802.1p, Port-based and DSCP               | 802.1p, Port-based and DSCP               | 802.1p, Port-based (CoS)                 |  |
|                                     | Auto Voice VLAN  |   |   |   |  |  |
| Multicast Filtering                 | IGMP Snooping Version  | v1, v2 and v3   | v1, v2 and v3                             | v1, v2 and v3                             | v1, v2 and v3                            |  |
| Performance                         | Bandwidth  | 10 Gbps   | 10 Gbps                                   | 16 Gbps                                   | 32 Gbps                                  |  |
|                                     | Buffer Memory  | 128 KB  | 128 KB                                    | 192 KB                                    | 768 KB                                   |  |
|                                     | Jumbo Frames   | 9,216 bytes   | 9,216 bytes                               | 9,720 bytes                               | 9,216 bytes                              |  |
| Traffic Management                  | Number of 802.1q VLAN/<br>Number of VLAN Group                 | 64  | 64  | 32  | 100                                      |  |
|                                     | Port Trunking/Link Aggregation<br>(Manual Static LAGs)         | Static LAG  |   |   |  |  |
|                                     | Rate Limiting  | ✓   | ✓   | ✓   | ✓  |  |
|                                     | Broadcast Storm Control  | ✓   | ✓   | ✓   | ✓  |  |
| Energy Efficiency                   | IEEE 802.3az   | ✓   | ✓   | ✓   | ✓  |  |
|                                     | Auto Port Power Down   | ✓   | ✓   | ✓   | ✓  |  |
|                                     | Dynamic Power Consumption                                      | ✓   |   |   |  |  |
|                                     | Max Power Consumption  | 2.6W  | 2W (no PoE)<br>22W (with PoE max)         | 4.5W                                      | 10W                                      |  |
| Physical                            | Desktop/Rackmount/Click  | Desktop, Wallmount  | Desktop, Wallmount                        | Desktop, Wallmount                        | Desktop, Rackmount                       |  |
|                                     | Metal/Plastic Enclosure  | Metal   | Metal                                     | Metal                                     | Metal                                    |  |
|                                     | MTBF @ 25°C  | 2,531,294 hrs (290 yrs)                                     | 1,685,972 hrs (193 yrs)                   | 2,525,259 hrs (289 yrs)                   | 504,993 hrs (58 yrs)                     |  |
|                                     | Fan(s)   | None  | None                                      | None                                      | None                                     |  |
|                                     | Acoustic Noise at 25°C   | 0dBA  | 0dBA                                      | 0dBA                                      | 24.5dBA                                  |  |
|                                     | Width x Depth x Height   | 94 x 100 x 27 mm<br>(3.7 x 3.9 x 1.1 in)                    | 158 x 100 x 27 mm<br>(6.2 x 3.9 x 1.1 in) | 158 x 101 x 29 mm<br>(6.2 x 4.0 x 1.1 in) | 286 x 101 x 26 mm<br>(11.3 x 4.0 x 1 in) | 328 x 170 x 43 mm<br>(12.9 x 6.7 x 1.7 in) |
|                                     | Weight   | 0.25 kg (0.55 lb)   | 0.49 kg (1.08 lb)                         | 0.50 kg (1.10 lb)                         | 0.84 kg (1.85 lb)                        |  |
| Electromagnetic Compliance          | Class (A or B)   | B   | B   | B   | A  |  |
| Warranty Hardware*                  |  | Lifetime* Limited   | Lifetime* Limited                         | Lifetime* Limited                         | Lifetime* Limited                        |  |
| Warranty Power Supply               |  | 2 years   | 2 years                                   | 2 years                                   | 2 years                                  |  |
| ProSUPPORT Maintenance Contracts*** | OnCall 24x7 1-year<br>OnCall 24x7 3-year<br>OnCall 24x7 5-year | PMB0511<br>PMB0531<br>PMB0551                               | PMB0511<br>PMB0531<br>PMB0551             | PMB0511<br>PMB0531<br>PMB0551             | PMB0512<br>PMB0532<br>PMB0552            |  |

## Smart Managed Plus Switches

Smart Managed Plus, L2, Gigabit



| MODEL                               | JGS524E   | JGS524PE                                   | GS750E                                     | GS908E                                     |
|-------------------------------------|---|--|--|--|
| Port Configuration                  | 10M/100M/1G RJ45 Copper Ports (Auto Uplink)         | 24   | 24   | 48   |
|                                     | 10G SFP+ Fiber Ports                                |  |  | 2 Combo SFP+ (10G)                         |
| PoE                                 | PoE (15.4W) 802.3af Ports                           |  | 12   |  |
|                                     | Total PoE/PoE+ Budget                               |  | 100W                                       |  |
| Scalability                         | # MAC Addresses                                     | 16K  | 16K  | 16K  |
|                                     | Dynamic MAC   | ✓  | ✓  | ✓  |
| System Management                   | Single IP Management                                |  |  | ✓  |
|                                     | Web Managed/GUI                                     | ✓  | ✓  | ✓  |
|                                     | DHCP (Client/Server)                                | DHCP Client                                | DHCP Client                                | DHCP Client                                |
|                                     | Port Mirroring                                      | Many-to-One                                | Many-to-One                                | Many-to-One                                |
| Quality of Service                  | Number of Priority Queues                           | 4  | 4  | 8  |
|                                     | Traffic Prioritization                              | 802.1p, Port-based (CoS)                   | 802.1p, Port-based (CoS)                   | 802.1p, Port-based (CoS)                   |
|                                     | Auto Voice VLAN                                     |  |  | ✓  |
| Multicast Filtering                 | IGMP Snooping Version                               | v1, v2 and v3                              | v1, v2 and v3                              | v1, v2, and v3                             |
|                                     | Bandwidth   | 48 Gbps                                    | 48 Gbps                                    | 100 Gbps                                   |
| Performance                         | Buffer Memory                                       | 768 KB                                     | 768 KB                                     | 1.5 MB                                     |
|                                     | Jumbo Frames  | 9,216 bytes                                | 9,216 bytes                                | 9,216 bytes                                |
|                                     | Number of 802.1q VLAN/ Number of VLAN Group         | 100  | 100  | 4096                                       |
| Traffic Management                  | Port Trunking/Link Aggregation (Manual Static LAGs) | Static LAG                                 | Static LAG                                 | Static LAG                                 |
|                                     | Rate Limiting                                       | ✓  | ✓  | ✓  |
|                                     | Broadcast Storm Control                             | ✓  | ✓  | ✓  |
|                                     | Energy Efficiency                                   | IEEE 802.3az                               | ✓  | ✓  |
| Energy Efficiency                   | Auto Port Power Down                                | ✓  | ✓  | ✓  |
|                                     | Dynamic Power Consumption                           | ✓  | ✓  | ✓  |
|                                     | Max Power Consumption                               | 13.8W                                      | 23W (no PoE)<br>123W (with PoE max)        | 30W  |
| Physical                            | Desktop/Rackmount/Click                             | Desktop, Rackmount                         | Desktop, Rackmount                         | Desktop, Rackmount                         |
|                                     | Metal/Plastic Enclosure                             | Metal                                      | Metal                                      | Metal                                      |
|                                     | MTBF @ 25°C   | 243,476 hrs (28 yrs)                       | 643,506 hrs (74 yrs)                       | 1,055,076 hrs (121 yrs)                    |
|                                     | Fan(s)  | None                                       | 1  | None                                       |
|                                     | Acoustic Noise at 25°C                              | 0dBA                                       | 24.5dBA                                    | 0dBA                                       |
|                                     | Width x Depth x Height                              | 328 x 170 x 43 mm<br>(12.9 x 6.9 x 1.7 in) | 328 x 169 x 43 mm<br>(12.9 x 6.7 x 1.7 in) | 440 x 204 x 43 mm<br>(17.3 x 8.0 x 1.7 in) |
|                                     | Weight  | 1.4 kg (3.09 lb)                           | 1.84 kg (4.06 lb)                          | 3.25 kg (7.17 lb)                          |
| Electromagnetic Compliance          | Class (A or B)                                      | A  | A  | B  |
|                                     | Warranty Hardware*                                  | Lifetime* Limited                          | Lifetime* Limited                          | Lifetime* Limited                          |
| Warranty Power Supply               | Internal (same as switch)                           | Internal (same as switch)                  | Internal (same as switch)                  | 3 years                                    |
| ProSUPPORT Maintenance Contracts*** | OnCall 24x7 1-year                                  | PMB0512                                    | PMB0512                                    | PMB0311                                    |
|                                     | OnCall 24x7 3-year                                  | PMB0532                                    | PMB0532                                    | PMB0331                                    |
|                                     | OnCall 24x7 5-year                                  | PMB0552                                    | PMB0552                                    | PMB0351                                    |

## Smart Managed Plus Switches

Smart Managed Plus, L2, Gigabit with 10G/Multi-Gig Uplinks Smart Managed Plus, L2, 10G/Multigig Smart Managed Plus, L2, 10G Ethernet



| MODEL                               | GS110EMX  | XS512EM                                   | XS724EM   | XS708Ev2   | XS716E                                   |
|-------------------------------------|---|---|---|--|--|
| Port Configuration                  | 10M/100M/1G RJ45 Copper Ports (Auto Uplink)         | 8   |   |  |  |
|                                     | 1G/10GBASE-T RJ45 Copper Ports (Auto Uplink)        |   |   | 8  | 16                                       |
|                                     | 100M/1G/2.5G/5G/10G RJ45 Copper Ports (Auto Uplink) |   | 12  | 24   |  |
|                                     | 10G SFP+ Fiber Ports                                |   | 2 Combo SFP+ (10G)                                | 2 Combo SFP+ (10G)                               | 1 Combo SFP+ (10G)                       |
| Scalability                         | # MAC Addresses                                     | 16K                                       | 32K   | 32K  | 32K                                      |
|                                     | Dynamic MAC   | ✓   | ✓   | ✓  |  |
| System Management                   | Single IP Management                                | ✓   |   |  |  |
|                                     | Web Managed/GUI                                     | ✓   | ✓   | ✓  | ✓  |
|                                     | DHCP (Client/Server)                                | DHCP Client                               | DHCP Client                                       | DHCP Client                                      | DHCP Client                              |
|                                     | Port Mirroring                                      | Many-to-One                               | Many-to-One                                       | Many-to-One                                      | Many-to-One                              |
| Quality of Service                  | Number of Priority Queues                           | 8   | 8   | 8  | 4  |
|                                     | Traffic Prioritization                              | 802.1p, Port-based (CoS)                  | 802.1p, Port-based (CoS)                          | 802.1p, Port-based (CoS)                         | 802.1p, Port-based (CoS)                 |
|                                     | Auto Voice VLAN                                     |   |   |  | Manual                                   |
| Multicast Filtering                 | IGMP Snooping Version                               | v1, v2 and v3                             | v1, v2 and v3                                     | v1, v2 and v3                                    | v1, v2                                   |
|                                     | Bandwidth   | 56 Gbps                                   | 240 Gbps  | 480 Gbps   | 160 Gbps                                 |
| Performance                         | Buffer Memory                                       | 2 MB                                      | 3 MB  | 3 MB   | 16 MB                                    |
|                                     | Jumbo Frames  | 10,240 bytes                              | 9,216 bytes                                       | 9,216 bytes                                      | 9,216 bytes                              |
|                                     | Number of 802.1q VLAN/ Number of VLAN Group         | 64  | 64  | 64   | 64                                       |
| Traffic Management                  | Port Trunking/Link Aggregation (Manual Static LAGs) | Static, LACP                              | Static, LACP                                      | Static, LACP                                     | Static, LACP                             |
|                                     | Rate Limiting                                       | ✓   | ✓   | ✓  | ✓  |
|                                     | Broadcast Storm Control                             | ✓   | ✓   | ✓  | ✓  |
|                                     | Energy Efficiency                                   | IEEE 802.3az                              | ✓   | ✓  |  |
| Energy Efficiency                   | Auto Port Power Down                                | ✓   |   |  |  |
|                                     | Dynamic Power Consumption                           | ✓   |   |  |  |
|                                     | Max Power Consumption                               | 15.6W                                     | 75.6W   | 150.5W   | 44W                                      |
| Physical                            | Desktop/Rackmount/Click                             | Desktop, Rackmount                        | Desktop, Rackmount                                | Desktop, Rackmount                               | Desktop, Rackmount                       |
|                                     | Metal/Plastic Enclosure                             | Metal                                     | Metal   | Metal  | Metal                                    |
|                                     | MTBF @ 25°C   | 1,572,337 hrs (180 yrs)                   | 1,113,477 hrs (127 yrs)                           | 830,493 hrs (95 yrs)                             | 397,731 hrs (45 yrs)                     |
|                                     | Fan(s)  | None                                      | 2   | 3  | 2  |
|                                     | Acoustic Noise at 25°C                              | 0dBA                                      | Idle : 29.13dBA@25dC/<br>Full load :40.85dBA@55dC | Idle : 35.91dBA@25dC<br>Full load :56.87dBA@55dC | 36.7dBA                                  |
|                                     | Width x Depth x Height                              | 236 x 102 x 27 mm<br>(9.3 x 4.0 x 1.1 in) | 328 x 204 x 43 mm<br>(12.9 x 8.0 x 1.7 in)        | 440 x 204 x 43 mm<br>(17.3 x 8.0 x 1.7 in)       | 330 x 207 x 43 mm<br>(13 x 8.2 x 1.7 in) |
|                                     | Weight  | 0.75 kg (1.65 lb)                         | 2.51 kg (5.54 lb)                                 | 3.72 kg (8.20 lb)                                | 2.80 kg (6.17 lb)                        |
| Electromagnetic Compliance          | Class (A or B)                                      | B   | A   | A  | A  |
|                                     | Warranty Hardware*                                  | Lifetime* Limited                         | Lifetime* Limited                                 | Lifetime* Limited                                | Lifetime* Limited                        |
| Warranty Power Supply               | 2 years   | Internal (same as switch)                 | Internal (same as switch)                         | Internal (same as switch)                        | Internal (same as switch)                |
| ProSUPPORT Maintenance Contracts*** | OnCall 24x7 1-year                                  | PMB0512                                   | PMB0512   | PMB0312  | PMB0311                                  |
|                                     | OnCall 24x7 3-year                                  | PMB0532                                   | PMB0532   | PMB0332  | PMB0331                                  |
|                                     | OnCall 24x7 5-year                                  | PMB0552                                   | PMB0552   | PMB0352  | PMB0351                                  |



# Smart Managed Plus Switches

Smart Managed Plus, L2, Click Switch and Easy-Mount



| MODEL                               |  | GSS108E  | GSS108EPP                                 | GSS116E                                   | GS408EPP                                   |
|-------------------------------------|--|--|---|---|--|
| Port Configuration                  | 10M/100M/1G RJ45 Copper Ports (Auto Uplink)                    | 8  | 16  | 8   | 8  |
| PoE                                 | PoE (15.4W) 802.3af Ports                                      |  | 4   |   | 8  |
|                                     | Total PoE/PoE+ Budget  |  | 14W                                       |   | 124W                                       |
| Scalability                         | # MAC Addresses  | 8K   | 8K  | 4K  | 4K   |
|                                     | Web Managed/GUI  | ✓  | ✓   | ✓   | ✓  |
| System Management                   | Single IP Management   |  |   |   |  |
|                                     | Web Managed/GUI  | ✓  | ✓   | ✓   | ✓  |
|                                     | DHCP (Client/Server)   | DHCP Client                                    | DHCP Client                               | DHCP Client                               | DHCP Client                                |
|                                     | Port Mirroring   | One-to-One                                     | One-to-One                                | Many-to-one                               | One-to-One                                 |
| Quality of Service                  | Number of Priority Queues                                      | 4  | 4   | 4   | 4  |
|                                     | Traffic Prioritization   | 802.1p, Port-based and DSCP                    | 802.1p, Port-based and DSCP               | 802.1p, Port-based and DSCP               | 802.1p, Port-based and DSCP                |
|                                     | Auto Voice VLAN  |  |   |   |  |
| Multicast Filtering                 | IGMP Snooping Version  | v1, v2 and v3                                  | v1, v2 and v3                             | v1, v2 and v3                             | v1, v2 and v3                              |
|                                     |  |  |   |   |  |
| Performance                         | Bandwidth  | 16 Gbps  | 32 Gbps                                   | 16 Gbps                                   | 16 Gbps                                    |
|                                     | Buffer Memory  | 128 KB   | 512 KB                                    | 192 KB                                    | 192 KB                                     |
|                                     | Jumbo Frames   | 16,367 bytes                                   | 9,216 bytes                               | 9,216 bytes                               | 9,216 bytes                                |
| Traffic Management                  | Number of 802.1q VLAN/Number of VLAN Group                     | 64   | 128                                       | 64  | 64   |
|                                     | Port Trunking/Link Aggregation (Manual Static LAGs)            |  | Static LAG                                | Static LAG                                | Static                                     |
|                                     | Rate Limiting  | ✓  | ✓   | ✓   | ✓  |
|                                     | Broadcast Storm Control  | ✓  | ✓   | ✓   | ✓  |
| Energy Efficiency                   | IEEE 802.3az   | ✓  | ✓   | ✓   | ✓  |
|                                     | Auto Port Power Down   | ✓  | ✓   | ✓   | ✓  |
|                                     | Dynamic Power Consumption                                      | ✓  | ✓   | ✓   | ✓  |
|                                     | Max Power Consumption  | 4.2W (No USB Charging)<br>20.2W (USB Charging) | 8.4W                                      | 5.3W (no PoE)<br>57.4W (with PoE max)     | 5.8W (no PoE)<br>148W (with PoE max)       |
| Physical                            | Desktop/Rackmount/Click  | Anywhere (except Rackmount)                    | Anywhere (except Rackmount)               | Anywhere (except Rackmount)               | Anywhere + Rackmount                       |
|                                     | Metal/Plastic Enclosure  | Plastic  | Metal                                     | Metal                                     | Metal                                      |
|                                     | MTBF @ 25°C  | 1,031,177 hrs (118 yrs)                        | 721,479 hrs (82 yrs)                      | 1,494,913 hrs (171 yrs)                   | 2,715,369 hrs (311 yrs)                    |
|                                     | Fan(s)   | None   | None                                      | None                                      | 1  |
|                                     | Acoustic Noise at 25°C   | 0dBA   | 0dBA                                      | 0dBA                                      | 26.9dBA                                    |
|                                     | Width x Depth x Height   | 305 x 65 x 35 mm<br>(12.0 x 2.6 x 1.4 in)      | 407 x 70 x 36 mm<br>(16.0 x 2.8 x 1.4 in) | 305 x 65 x 35 mm<br>(12.0 x 2.6 x 1.4 in) | 380 x 100 x 43 mm<br>(15.0 x 3.9 x 1.7 in) |
|                                     | Weight   | 0.44 kg (0.97 lb)                              | 1.30 kg (2.87 lb)                         | 0.93 kg (2.05 lb)                         | 1.6 kg (3.53 lb)                           |
| Electromagnetic Compliance          | Class (A or B)   | B  | B   | B   | A  |
| Warranty Hardware*                  |  | Lifetime* Limited                              | Lifetime* Limited                         | Lifetime* Limited                         | Lifetime* Limited                          |
| Warranty Power Supply               |  | Internal (same as switch)                      | Internal (same as switch)                 | Internal (same as switch)                 | Internal (same as switch)                  |
| ProSUPPORT Maintenance Contracts*** | OnCall 24x7 1-year<br>OnCall 24x7 3-year<br>OnCall 24x7 5-year | PMB0511<br>PMB0531<br>PMB0551                  | PMB0512<br>PMB0532<br>PMB0552             | PMB0512<br>PMB0532<br>PMB0552             | PMB0512<br>PMB0532<br>PMB0552              |

# WHY SMART BUSINESSES CHOOSE SMART MANAGED PRO SWITCHES

The Smart switch category was created by NETGEAR more than 12 years ago which has become the largest and fastest growing segment of the SMB switch market. NETGEAR is the undisputed market leader in switching, having built the widest most affordable business-grade portfolio in the market. Smart switches are the ideal solution for the most advanced small and medium organizations looking for the best combination of features, performance, and value.

NETGEAR Smart Managed Pro Switches offer powerful L2 and lite L3 switching features, great Power-over-Ethernet (PoE) functionality, intuitive management, full scalability and enhanced performance and usability. They are purposely designed for converged networks where voice, video, data are all carried on a single network platform. These switches are optimized for network efficiency, operational cost savings, and ease of management.

They also come with leading ProSAFE Lifetime Hardware Warranty, Lifetime Technical Support through online chat and Lifetime Next Business Day hardware replacement for utmost peace of mind.

## Discover the 10 reasons why our customers love NETGEAR Smart Managed Pro Switches

- Market's widest product portfolio**

NETGEAR covers you with a comprehensive and versatile portfolio of Smart Managed switches from 5 to 48 port models including 1-Gigabit and 10-Gigabit connectivity with enhanced stacking capabilities, a large range of PoE/PoE+ budgets and choice of copper or fiber for flexible deployment.
- Affordable Business-grade Switches**

Typically 1/2 the cost of Managed switches with around 75% of the same features and functions, all with no hidden costs.
- Rich feature-set**

Advanced VLAN and QoS, Advanced Security, L3 lite routing capabilities, ACL or SNMP are some of the many features that are available in Smart Managed switches.
- Scales with your Business**

The Stackable Smart Managed Switches provide true stacking capability with high performance, scalability and reliability without adding huge costs. Up to six Switches can be stacked together, providing up to 288 ports, and managed from a single IP address.
- Full 10-Gigabit models**

NETGEAR is leading by far the 10-Gigabit switching market and provides a full range of 10G Smart Switches with low-latency, line-rate 10G Copper "BASE-T" technology with backward compatibility to Fast Ethernet (depending on model) and Gigabit Ethernet.
- Smart IT, not big IT**

Easy-to-use web browser-based management GUI makes setup and management simple. Get the smart features with the easiest management.
- Designed as a Core Switch for SMB Networks**

Powerful L2+/Layer 3 Lite features make them the most cost-effective core switches for SMB and virtualization environment.
- Power it all**

Choose from the broadest choice of PoE/PoE+ power to enable seamless PoE connection of standard PoE devices (IP Phones, Wireless Access Points, IP Cameras even high-power Pan-Tilt-Zoom models, IoT devices, etc).
- Smart redundancy**

Smart switches mean smart redundancy with Link protection, Spanning Tree, LACP, switch protection, resilient stacking.
- Future-proof**

Full support of IPv6 protects IT investment by future-proofing the network for the next generation of applications and extensions.

## Smart Managed Pro Switches

Smart Managed Pro, L2, 10/100 Fast Ethernet



| MODEL                       | FS728TLP                                   | FS728TPv2                               |
|-----------------------------|--|---|
| Port Configuration          | 10/100 RJ45 Ports (Auto Uplink)            | 24                                      |
|                             | 10/100/1000 RJ45 Ports (Auto Uplink)       | 4                                       |
|                             | Fiber Ports                                | 2 SFP                                   |
| PoE                         | Power Over Ethernet 802.3af Ports          | 12                                      |
|                             | PoE Plus (30W) 802.3at Ports               | 24                                      |
|                             | Total PoE Budget                           | 100W                                    |
| Scalability                 | # MAC Addresses                            | 8,000                                   |
|                             | # ACL Rules                                | 128                                     |
| System Management           | Web Managed/GUI                            | ✓                                       |
|                             | SNMP Version                               | v1, v2c, v3                             |
|                             | RMON Group                                 | 1,2,3,9                                 |
|                             | DHCP (Client/Server)                       | Client                                  |
|                             | Port Mirroring                             | Many-to-One                             |
| Quality of Service          | Number of Priority Queues                  | 8                                       |
|                             | Traffic Prioritization                     | 802.1p and DSCP                         |
|                             | Auto Voice VLAN                            | ✓                                       |
| Multicast Filtering         | IGMP Snooping Version                      | v1, v2, v3                              |
|                             | IGMP Snooping Querier                      | ✓                                       |
| Performance                 | Bandwidth                                  | 12.8 Gbps                               |
|                             | Buffer Memory                              | 4 MB Per System                         |
|                             | Jumbo Frames                               | ✓                                       |
| Availability                | Spanning Tree 802.1d/RSTP .1w/MSTP .1s     | 802.1d, .1w, .1s                        |
|                             | RPS Redundant Power Supply                 |   |
|                             | Modular Power Supply                       |   |
| Traffic Management          | Number of 802.1q VLAN/Number of VLAN Group | 128                                     |
|                             | Link Agregation 802.3ad/LACP               | ✓                                       |
|                             | Discovery Protocol LLDP 802.1ab            | ✓                                       |
|                             | Rate Limiting                              | ✓                                       |
|                             | Broadcast Storm Control                    | ✓                                       |
| L3 Routing                  | IPv4 Static Routing                        |   |
|                             | IPv4 RIPv1/2, OSPFv1/2, VRRP, EMCP         |   |
|                             | IPv6 Static Routing, IPv6 OSPFv3           |   |
|                             | IPv4 / IPv6 Multicast Routing PIM-SM/DM    |   |
| Security                    | IEEE 802.1x (RADIUS)                       | Supports                                |
|                             | ACL - Access Control Lists                 | MAC, IP                                 |
|                             | SSL/SSH & HTTPS                            | ✓                                       |
|                             | Guest VLAN                                 | ✓                                       |
|                             | DHCP Snooping/IP Source Guard/ARP Guard    | ✓                                       |
| Energy Efficiency           | TACACS+                                    | ✓                                       |
|                             | IEEE 802.3az                               | ✓                                       |
|                             | Auto Port Power Down                       | ✓                                       |
|                             | Dynamic Power Consumption                  | ✓                                       |
| Physical                    | Max Power Consumption                      | 124W                                    |
|                             | Desktop/Rackmount/Click                    | Rackmount                               |
|                             | Metal/Plastic Enclosure                    | Metal                                   |
|                             | MTBF @ 25°C                                | 755,725 hrs (86 yrs)                    |
|                             | Fan(s)                                     | 1                                       |
|                             | Acoustic Noise @ 25°C                      | 30.7dBA                                 |
|                             | Width x Depth x Height                     | 440 x 204 x 43 mm (17.3 x 8.0 x 1.7 in) |
|                             | Weight                                     | 2.92 kg (6.44 lb)                       |
| Electromagnetic Compliance  | Class (A or B)                             | A                                       |
|                             | Warranty Hardware                          | Lifetime                                |
| Warranty Power Supply       | Lifetime                                   |   |
| Modules                     | AGM731F/732F                               |   |
| ProSUPPORT Maintenance PKGS | OnCall 24x7 1-year                         | PMB0311                                 |
|                             | OnCall 24x7 3-year                         | PMB0331                                 |
|                             | OnCall 24x7 5-year                         | PMB0351                                 |

## Smart Managed Pro Switches

Smart Managed Pro, L2, Gigabit



| MODEL                       | GS108Tv2                                   | GS110TPv2   | GS716Tv3                                | GS516TP                                    |
|-----------------------------|--|---|---|--|
| Port Configuration          | 10/100/1000 RJ45 Ports (Auto Uplink)       | 8   | 16                                      | 16   |
|                             | Fiber Ports                                |   | 2 SFP                                   | 2 dedicated SFP                            |
| PoE                         | Power Over Ethernet 802.3af Ports          | 8   |   | 8 POE and 2 PD                             |
|                             | PoE Plus (30W) 802.3at Ports               |   |   |  |
|                             | Total PoE Budget                           |   | 46W                                     | 76W with AC power, up to 22W with PD power |
| Scalability                 | # MAC Addresses                            | 8,000   | 8,000                                   | 16,000                                     |
|                             | ARP Table - Size of                        |   |   | 512  |
|                             | # Routing Entries                          |   |   | 32   |
|                             | # ACL Rules                                | 64  | 64                                      | 100  |
| System Management           | Web Managed/GUI                            | ✓   | ✓                                       | ✓  |
|                             | SNMP Version                               | v1, v2c, v3   | v1, v2c, v3                             | v1, v2c, v3                                |
|                             | RMON Group                                 | 1,2,3,9   | 1,2,3,9                                 | 1,2,3,9                                    |
|                             | DHCP (Client/Server)                       | Client  | Client                                  | Client                                     |
|                             | Port Mirroring                             | Many-to-One   | Many-to-One                             | Many-to-One                                |
|                             | IPv6 full set                              |   |   | ✓  |
| Quality of Service          | Number of Priority Queues                  | 4   | 4                                       | 8  |
|                             | Traffic Prioritization                     | 802.1p, DSCP, Diffserv                              | 802.1p, DSCP, Diffserv                  | 802.1p, DSCP, Diffserv                     |
|                             | Auto Voice VLAN                            | ✓   | ✓                                       | ✓  |
| Multicast Filtering         | IGMP Snooping Version                      | v1, v2, v3  | v1, v2, v3                              | v1, v2, v3                                 |
|                             | IGMP Snooping Querier                      |   |   | ✓  |
| Performance                 | Bandwidth                                  | 16 Gbps   | 16 Gbps                                 | 32 Gbps                                    |
|                             | Buffer Memory                              | 512 KB Per Unit                                     | 512 KB Per Unit                         | 2 MB Per System                            |
|                             | Jumbo Frames                               | Yes   | Yes                                     | ✓  |
| Availability                | Spanning Tree 802.1d/RSTP .1w/MSTP .1s     | 802.1d, .1w, .1s                                    | 802.1d, .1w, .1s                        | 802.1d, .1w, .1s                           |
|                             | RPS Redundant Power Supply                 |   |   |  |
|                             | Modular Power Supply                       |   |   |  |
| Traffic Management          | Number of 802.1q VLAN/Number of VLAN Group | 64  | 64                                      | 256  |
|                             | Link Agregation 802.3ad/LACP               | ✓   | ✓                                       | ✓  |
|                             | Discovery Protocol LLDP 802.1ab            | ✓   | ✓                                       | ✓  |
|                             | Rate Limiting                              | ✓   | ✓                                       | ✓  |
|                             | Broadcast Storm Control                    | ✓   | ✓                                       | ✓  |
|                             | IPv4 Static Routing                        |   |   | ✓  |
|                             | IPv6 Static Routing                        |   |   | ✓  |
| L3 Routing                  | Security                                   | IEEE 802.1x (RADIUS)                                | ✓                                       | ✓  |
|                             | ACL - Access Control Lists                 | MAC, IP   | MAC, IP                                 | MAC, IP                                    |
|                             | SSL/SSH & HTTPS                            | HTTPS   | HTTPS                                   | SSL/HTTPS                                  |
|                             | Guest VLAN                                 | ✓   | ✓                                       | ✓  |
|                             | DHCP Snooping/IP Source Guard/ARP Guard    | ✓   | ✓                                       | ✓  |
| Energy Efficiency           | TACACS+                                    | ✓   | ✓                                       | ✓  |
|                             | IEEE 802.3az                               | ✓   | ✓                                       | ✓  |
|                             | Auto Port Power Down                       | ✓   | ✓                                       | ✓  |
|                             | Dynamic Power Consumption                  | ✓   | ✓                                       | ✓  |
| Physical                    | Max Power Consumption                      | 12.78W if powered by PoE via port 18.3W (AC) 6W(DC) | 60W                                     | 14.4W                                      |
|                             | Desktop/Rackmount/Click                    | Desktop   | Desktop                                 | Rackmount                                  |
|                             | Metal/Plastic Enclosure                    | Metal   | Metal                                   | Metal                                      |
|                             | MTBF @ 25°C                                | 275,533 hrs (31 yrs)                                | 157,004 hrs (18 yrs)                    | 726,612 hrs (83 yrs)                       |
|                             | Fan(s)                                     | None  | None                                    | None                                       |
|                             | Acoustic Noise @ 25°C                      | 0dBA  | 0dBA                                    | 0dBA                                       |
|                             | Width x Depth x Height                     | 158 x 105 x 27 mm (6.2 x 4.1 x 1.1 in)              | 2236 x 102 x 27 mm (9.3 x 4.0 x 1.1 in) | 440 x 204 x 43 mm (17.3 x 8.0 in)          |
|                             | Weight                                     | 0.56 kg (1.23 lb)                                   | 0.70 kg (1.54 lb)                       | 2.72 kg (5.99 lb)                          |
| Electromagnetic Compliance  | Class (A or B)                             | A   | B                                       | A  |
|                             | Warranty Hardware                          | Lifetime  | Lifetime                                | Lifetime                                   |
| Warranty Power Supply       | 2 years                                    | 2 years   | Lifetime                                | Lifetime                                   |
| Modules                     |  | AGM731F/732F  | AGM731F/732F                            |  |
| ProSUPPORT Maintenance PKGS | OnCall 24x7 1-year                         | PMB0511   | PMB0512                                 | PMB0512                                    |
|                             | OnCall 24x7 3-year                         | PMB0531   | PMB0532                                 | PMB0532                                    |
|                             | OnCall 24x7 5-year                         | PMB0551   | PMB0552                                 | PMB0552                                    |

# Smart Managed Pro Switches

Smart Managed Pro, L2+ with static routing, Gigabit



| MODEL                       | GS510TLP                                   | GS510TPP                                | GS418TPP                                |
|-----------------------------|--|---|---|
| Port Configuration          | 10/100/1000 RJ45 Ports (Auto Uplink)       | 8                                       | 16                                      |
|                             | Fiber Ports                                | 2                                       | 2                                       |
| PoE                         | Power Over Ethernet 802.3af Ports          | 8                                       | 16                                      |
|                             | PoE Plus (30W) 802.3at Ports               | 8                                       | 16                                      |
|                             | Total PoE Budget                           | 75W                                     | 190W                                    |
| Scalability                 | # MAC Addresses                            | 16K                                     | 16K                                     |
|                             | ARP Table - Size of                        | 479                                     | 479                                     |
|                             | # Routing Entries                          | 32                                      | 32                                      |
|                             | # ACL Rules                                | 100                                     | 100                                     |
| System Management           | Single IP Management                       | ✓                                       | ✓                                       |
|                             | Web Managed/GUI                            | Yes                                     | Yes                                     |
|                             | SNMP Version                               | v1, v2c, v3                             | v1, v2c, v3                             |
|                             | RMON Group                                 | Yes                                     | Yes                                     |
|                             | DHCP (Client/Server)                       | Client                                  | Client                                  |
|                             | Port Mirroring                             | Yes                                     | Yes                                     |
|                             | IPv6 full set                              | Yes                                     | Yes                                     |
| Quality of Service          | Number of Priority Queues                  | 8                                       | 8                                       |
|                             | Traffic Prioritization                     | 802.1p, DSCP, Diffserv                  | 802.1p, DSCP, Diffserv                  |
|                             | Auto Voice VLAN                            | ✓                                       | ✓                                       |
| Multicast Filtering         | IGMP Snooping Version                      | v1, v2, v3                              | v1, v2, v3                              |
|                             | IGMP Snooping Querier                      | ✓                                       | ✓                                       |
| Performance                 | Bandwidth                                  | 20 Gbps                                 | 36 Gbps                                 |
|                             | Buffer Memory                              | 1.5 MB per system                       | 1.5 MB per system                       |
| Availability                | Spanning Tree 802.1d/RSTP .1w/MSTP .1s     | 802.1d, .1w, .1s                        | 802.1d, .1w, .1s                        |
| Traffic Management          | Number of 802.1q VLAN/Number of VLAN Group | ✓                                       | ✓                                       |
|                             | Link Aggregation 802.3ad/LACP              | ✓                                       | ✓                                       |
|                             | Discovery Protocol LLDP 802.1ab            | ✓                                       | ✓                                       |
|                             | Rate Limiting                              | ✓                                       | ✓                                       |
|                             | Broadcast Storm Control                    | ✓                                       | ✓                                       |
| L3 Routing                  | IPv4 Static Routing                        | ✓                                       | ✓                                       |
| Security                    | IEEE 802.1x (RADIUS)                       | ✓                                       | ✓                                       |
|                             | ACL - Access Control Lists                 | MAC, IP, TCP                            | MAC, IP, TCP                            |
|                             | SSL/SSH & HTTPS                            | SSL/HTTPS                               | SSL/HTTPS                               |
|                             | Guest VLAN                                 | ✓                                       | ✓                                       |
|                             | DHCP Snooping/IP Source Guard/ARP Guard    | ✓                                       | ✓                                       |
|                             | TACACS+                                    | ✓                                       | ✓                                       |
|                             | IEEE 802.3az                               | ✓                                       | ✓                                       |
| Energy Efficiency           | Auto Port Power Down                       | ✓                                       | ✓                                       |
|                             | Dynamic Power Consumption                  | ✓                                       | ✓                                       |
|                             | Max Power Consumption                      | 101W                                    | 225W                                    |
| Physical                    | Desktop/Rackmount/Click                    | Desktop/Rackmount                       | Desktop/Rackmount                       |
|                             | Metal/Plastic Enclosure                    | Metal                                   | Metal                                   |
|                             | MTBF @ 25°C                                | 913,368 hrs (104 yrs)                   | 1,509,979 hrs (172 yrs)                 |
|                             | Fan(s)                                     | None                                    | 2                                       |
|                             | Acoustic Noise @ 25°C                      | 0dBA                                    | 32dBA                                   |
|                             | Width x Depth x Height                     | 328 x 169 x 43 mm (12.9 x 6.7 x 1.7 in) | 328 x 169 x 43 mm (12.9 x 6.7 x 1.7 in) |
|                             | Weight                                     | 1.74 kg (3.84 lb)                       | 1.83 kg (4.03 lb)                       |
| Electromagnetic Compliance  | Class (A or B)                             | A                                       | A                                       |
| Warranty Hardware           | Lifetime                                   | Lifetime                                | Lifetime                                |
| Warranty Power Supply       | Lifetime                                   | Lifetime                                | Lifetime                                |
| Modules                     | AFM735/AGM731F/AGM732F/AGM734              | AFM735/AGM731F/AGM732F/AGM734           | AFM735/AGM731F/AGM732F/AGM734           |
| ProSUPPORT Maintenance PKGS | OnCall 24x7 1-year                         | PMB0311                                 | PMB0311                                 |
|                             | OnCall 24x7 3-year                         | PMB0532                                 | PMB0331                                 |
|                             | OnCall 24x7 5-year                         | PMB0552                                 | PMB0351                                 |

# Smart Managed Pro Switches

Smart Managed Pro, L2+ with static routing, Gigabit



| MODEL                       | GS724Tv4                                    | GS748Tv5                                | GS724TPv2                                | GS728TP                                 | GS728TPv2                                |
|-----------------------------|---|---|--|---|--|
| Port Configuration          | 10/100 RJ45 Ports (Auto Uplink)             | 24                                      | 48                                       | 24                                      | 24                                       |
|                             | 10/100/1000 RJ45 Ports (Auto Uplink)        | 24                                      | 48                                       | 24                                      | 24                                       |
| PoE                         | Power Over Ethernet 802.3af Ports           | 2 dedicated SFP                         | 2 dedicated and 2 combo SFP              | 2 dedicated SFP                         | 4 dedicated SFP                          |
|                             | Fiber Ports                                 | 2 dedicated SFP                         | 2 dedicated and 2 combo SFP              | 2 dedicated SFP                         | 4 dedicated SFP                          |
| Scalability                 | 10Gig Module Bays                           | 24                                      | 24                                       | 24                                      | 24                                       |
|                             | PoE Plus (30W) 802.3at Ports                | 190W                                    | 192W                                     | 190W                                    | 380W                                     |
|                             | Total PoE Budget                            | 16,000                                  | 16,000                                   | 8,000                                   | 8,000                                    |
| System Management           | # MAC Addresses                             | 512                                     | 512                                      | 100                                     | 512                                      |
|                             | ARP Table - Size of                         | 32                                      | 32                                       | 32                                      | 32                                       |
|                             | # Routing Entries                           | 100                                     | 100                                      | 100                                     | 164                                      |
|                             | # ACL Rules                                 | ✓                                       | ✓  | ✓                                       | ✓  |
| Quality of Service          | Single IP Management                        | ✓                                       | ✓  | ✓                                       | ✓  |
|                             | Web Managed/GUI                             | ✓                                       | ✓  | ✓                                       | ✓  |
|                             | Command Line Interface/RS232 Console/Telnet | ✓                                       | ✓  | ✓                                       | ✓  |
|                             | SNMP Version                                | v1, v2c, v3                             | v1, v2c, v3                              | v1, v2c, v3                             | v1, v2c, v3                              |
|                             | RMON Group                                  | 1,2,3,9                                 | 1,2,3,9                                  | 1,2,3,9                                 | 1,2,3,9                                  |
|                             | DHCP (Client/Server)                        | Client                                  | Client                                   | Client                                  | Client                                   |
|                             | Port Mirroring                              | Many-to-One                             | Many-to-One                              | Many-to-One                             | Many-to-One                              |
| Multicast Filtering         | IPv6 full set                               | ✓                                       | ✓  | ✓                                       | ✓  |
|                             | Number of Priority Queues                   | 8                                       | 8  | 8                                       | 8  |
|                             | Traffic Prioritization                      | 802.1p, DSCP, Diffserv                  | 802.1p, DSCP, Diffserv                   | 802.1p; Diffserv; TCP/UDP               | 802.1p; Diffserv; TCP/UDP                |
| Performance                 | Auto Voice VLAN                             | ✓                                       | ✓  | ✓                                       | ✓  |
|                             | IGMP Snooping Version                       | v1, v2, v3                              | v1, v2, v3                               | v1, v2, v3                              | v1, v2, v3                               |
| Availability                | IGMP Snooping Querier                       | ✓                                       | ✓  | ✓                                       | ✓  |
|                             | Bandwidth                                   | 48 Gbps                                 | 100 Gbps                                 | 48 Gbps                                 | 56 Gbps                                  |
| Traffic Management          | Buffer Memory                               | 2 MB Per System                         | 2 MB Per System                          | 512 KB                                  | 1 MB Per System                          |
|                             | Jumbo Frames                                | ✓                                       | ✓  | ✓                                       | ✓  |
|                             | Spanning Tree 802.1d/RSTP .1w/MSTP .1s      | 802.1d, .1w, .1s                        | 802.1d, .1w, .1s                         | 802.1d, .1w, .1s                        | 802.1d, .1w, .1s                         |
| Security                    | Number of 802.1q VLAN/Number of VLAN Group  | 256                                     | 256                                      | 64                                      | 256                                      |
|                             | Link Aggregation 802.3ad/LACP               | ✓                                       | ✓  | ✓                                       | ✓  |
|                             | Discovery Protocol LLDP 802.1ab             | ✓                                       | ✓  | ✓                                       | ✓  |
|                             | Rate Limiting                               | ✓                                       | ✓  | ✓                                       | ✓  |
|                             | Broadcast Storm Control                     | ✓                                       | ✓  | ✓                                       | ✓  |
|                             | IPv4 Static Routing                         | ✓                                       | ✓  | ✓                                       | ✓  |
|                             | IEEE 802.1x (RADIUS)                        | ✓                                       | ✓  | ✓                                       | ✓  |
| Energy Efficiency           | ACL - Access Control Lists                  | MAC, IP                                 | MAC, IP                                  | MAC, IP, TCP                            | MAC, IP, TCP                             |
|                             | SSL/SSH & HTTPS                             | SSL/HTTPS                               | SSL/HTTPS                                | TLS/HTTPS                               | HTTPS                                    |
|                             | Guest VLAN                                  | ✓                                       | ✓  | ✓                                       | ✓  |
|                             | DHCP Snooping/IP Source Guard/ARP Guard     | ✓                                       | ✓  | DHCP Snooping Only                      | DHCP Snooping Only                       |
|                             | TACACS+                                     | ✓                                       | ✓  | ✓                                       | ✓  |
|                             | IEEE 802.3az                                | ✓                                       | ✓  | ✓                                       | ✓  |
|                             | Auto Port Power Down                        | ✓                                       | ✓  | ✓                                       | ✓  |
| Physical                    | Dynamic Power Consumption                   | ✓                                       | ✓  | ✓                                       | ✓  |
|                             | Max Power Consumption                       | 17.4W                                   | 41.1W                                    | 228.5W                                  | 264W                                     |
|                             | Desktop/Rackmount/Click                     | Rackmount                               | Rackmount                                | Rackmount                               | Rackmount                                |
|                             | Metal/Plastic Enclosure                     | Metal                                   | Metal                                    | Metal                                   | Metal                                    |
|                             | MTBF @ 25°C                                 | 567,680 hrs (65 yrs)                    | 390,728 hrs (45 yrs)                     | 1,051,375 hrs (120 yrs)                 | 345,901 hrs (39 yrs)                     |
|                             | Fan(s)                                      | None                                    | 2  | 1                                       | ✓  |
|                             | Acoustic Noise @ 25°C                       | 0dBA                                    | 37.2dBA                                  | 32.4dBA                                 | 31.8dBA                                  |
| Electromagnetic Compliance  | Width x Depth x Height                      | 440 x 204 x 43 mm (17.3 x 8.0 x 1.7 in) | 440 x 257 x 43 mm (17.3 x 10.1 x 1.7 in) | 440 x 204 x 43 mm (17.3 x 8.0 x 1.7 in) | 440 x 257 x 43 mm (17.3 x 10.1 x 1.7 in) |
|                             | Weight                                      | 2.87 kg (6.33 lb)                       | 3.46 kg (7.63 lb)                        | 3.15 kg (6.96 lb)                       | 3.7 kg (8.1 lb)                          |
|                             | Class (A or B)                              | A                                       | A  | A                                       | A  |
| Warranty Hardware           | Lifetime                                    | Lifetime                                | Lifetime                                 | Lifetime                                |  |
| Warranty Power Supply       | Lifetime                                    | Lifetime                                | Lifetime                                 | Lifetime                                |  |
| Modules                     | AGM731F/732F                                | AGM731F/732F                            | AGM731F/AGM732F/AGM734                   | AFM735/AGM731F/732F                     | AGM731F/732F                             |
| ProSUPPORT Maintenance PKGS | OnCall 24x7 1-year                          | PMB0311                                 | PMB0311                                  | PMB0311                                 | PMB0311                                  |
|                             | OnCall 24x7 3-year                          | PMB0331                                 | PMB0331                                  | PMB0331                                 | PMB0331                                  |
|                             | OnCall 24x7 5-year                          | PMB0351                                 | PMB0351                                  | PMB0351                                 | PMB0351                                  |



# Smart Managed Pro Switches

Smart Managed Pro, L2+ with static routing, Gigabit



| MODEL                       | GS728TPP                                    | GS728TPPv2                               | GS752TP                                  | GS752TPv2                                | GS752TPP                                 |
|-----------------------------|---|--|--|--|--|
| Port Configuration          | 10/100 RJ45 Ports (Auto Uplink)             |  |  |  |  |
|                             | 10/100/1000 RJ45 Ports (Auto Uplink)        | 24                                       | 24                                       | 48                                       | 24                                       |
|                             | Fiber Ports                                 | 4 dedicated SFP                          | 4 dedicated SFP                          | 4 dedicated SFP                          | 4 dedicated SFP                          |
| PoE                         | 10Gig Module Bays                           |  |  |  |  |
|                             | Power Over Ethernet 802.3af Ports           | 24                                       | 24                                       | 48                                       | 24                                       |
|                             | PoE Plus (30W) 802.3at Ports                | 24                                       | 24                                       | 8  | 24                                       |
| Scalability                 | Total PoE Budget                            | 384W                                     | 380W                                     | 384W                                     | 380W                                     |
|                             | # MAC Addresses                             | 8,000                                    | 16,000                                   | 8,000                                    | 16,000                                   |
|                             | ARP Table - Size of                         | 100                                      | 512                                      | 100                                      | 512                                      |
| System Management           | # Routing Entries                           | 32                                       | 32                                       | 32                                       | 32                                       |
|                             | # ACL Rules                                 | 164                                      | 100                                      | 164                                      | 100                                      |
|                             | Single IP Management                        | ✓  | ✓  | ✓  | ✓  |
| Quality of Service          | Web Managed/GUI                             | ✓  | ✓  | ✓  | ✓  |
|                             | Command Line Interface/RS232 Console/Telnet | ✓  | ✓  | ✓  | ✓  |
|                             | SNMP Version                                | v1, v2c, v3                              | v1, v2c, v3                              | v1, v2c, v3                              | v1, v2c, v3                              |
| Multicast Filtering         | RMON Group                                  | 1,2,3,9                                  | 1,2,3,9                                  | 1,2,3,9                                  | 1,2,3,9                                  |
|                             | DHCP (Client/Server)                        | Client                                   | Client                                   | Client                                   | Client                                   |
|                             | Port Mirroring                              | Many-to-One                              | Many-to-One                              | Many-to-One                              | Many-to-One                              |
| Performance                 | IPv6 full set                               | ✓  | ✓  | ✓  | ✓  |
|                             | Number of Priority Queues                   | 4  | 8  | 4  | 8  |
|                             | Traffic Prioritization                      | 802.1p; Diffserv; TCP/UDP                | 802.1p; Diffserv; TCP/UDP                | 802.1p; Diffserv; TCP/UDP                | 802.1p; Diffserv; TCP/UDP                |
| Availability                | Auto Voice VLAN                             | ✓  | ✓  | ✓  | ✓  |
|                             | IGMP Snooping Querier                       | ✓  | ✓  | ✓  | ✓  |
|                             | Bandwidth                                   | 56 Gbps                                  | 56 Gbps                                  | 104 Gbps                                 | 104 Gbps                                 |
| Traffic Management          | Buffer Memory                               | 1 MB Per System                          | 1.5 MB Per System                        | 1 MB Per System                          | 1.5 MB Per System                        |
|                             | Jumbo Frames                                | ✓  | ✓  | ✓  | ✓  |
|                             | Spanning Tree 802.1d/RSTP .1w/MSTP .1s      | 802.1d, .1w, .1s                         | 802.1d, .1w, .1s                         | 802.1d, .1w, .1s                         | 802.1d, .1w, .1s                         |
| L3 Routing                  | Number of 802.1q VLAN/Number of VLAN Group  | 256                                      | 256                                      | 256                                      | 256                                      |
|                             | Link Agregation 802.3ad/LACP                | ✓  | ✓  | ✓  | ✓  |
|                             | Discovery Protocol LLDP 802.1ab             | ✓  | ✓  | ✓  | ✓  |
| Security                    | Rate Limiting                               | ✓  | ✓  | ✓  | ✓  |
|                             | Broadcast Storm Control                     | ✓  | ✓  | ✓  | ✓  |
|                             | IPv4 Static Routing                         | ✓  | ✓  | ✓  | ✓  |
| Energy Efficiency           | IEEE 802.1x (RADIUS)                        | ✓  | ✓  | ✓  | ✓  |
|                             | ACL - Access Control Lists                  | MAC, IP                                  | MAC, IP                                  | MAC, IP                                  | MAC, IP, TCP                             |
|                             | SSL/SSH & HTTPS                             | HTTPS                                    | HTTPS                                    | HTTPS                                    | HTTPS                                    |
| Physical                    | Guest VLAN                                  | ✓  | ✓  | ✓  | ✓  |
|                             | DHCP Snooping/IP Source Guard/ARP Guard     | DHCP Snooping Only                       | ✓  | DHCP Snooping Only                       | ✓  |
|                             | TACACS+                                     | ✓  | ✓  | ✓  | ✓  |
| Warranty Hardware           | IEEE 802.3az                                | ✓  | ✓  | ✓  | ✓  |
|                             | Auto Port Power Down                        | ✓  | ✓  | ✓  | ✓  |
|                             | Dynamic Power Consumption                   | ✓  | ✓  | ✓  | ✓  |
| Modules                     | Max Power Consumption                       |  | 439W                                     | 512.8W                                   | 446W                                     |
|                             | Desktop/Rackmount/Click                     | Rackmount                                | Rackmount                                | Rackmount                                | Rackmount                                |
|                             | Metal/Plastic Enclosure                     | Metal                                    | Metal                                    | Metal                                    | Metal                                    |
| ProSUPPORT Maintenance PKGS | MTBF @ 25°C                                 | 247,163 hrs (28 yrs)                     | 1,071,896 hrs (122 yrs)                  | 220,447 hrs (25 yrs)                     | 1,737,411 hrs (198 yrs)                  |
|                             | Fan(s)                                      | 2  | 2  | 2  | 2  |
|                             | Acoustic Noise @ 25°C                       | 31.8dBA                                  | 35dBA                                    | 44.9dBA                                  | 38dBA                                    |
| Warranty Power Supply       | Width x Depth x Height                      | 440 x 257 x 43 mm (17.3 x 10.1 x 1.7 in) | 440 x 257 x 43 mm (17.3 x 10.1 x 1.7 in) | 440 x 316 x 43 mm (17.3 x 15.2 x 1.7 in) | 440 x 310 x 43 mm (17.3 x 12.2 x 1.7 in) |
|                             | Weight                                      | 4.40 kg (9.70 lb)                        | 4.11 kg (9.10 lb)                        | 5.10 kg (14.5 lb)                        | 4.93 kg (10.90 lb)                       |
|                             | Class (A or B)                              | A  | A  | A  | A  |
| Modules                     | AFM735/AGM731F/732F                         | AGM731F/732F                             | AFM735/AGM731F/732F                      | AGM731F/732F                             | AGM731F/732F                             |
|                             | PMB0311                                     | PMB0311                                  | PMB0312                                  | PMB0312                                  | PMB0312                                  |
|                             | PMB0331                                     | PMB0331                                  | PMB0332                                  | PMB0332                                  | PMB0332                                  |
| ProSUPPORT Maintenance PKGS | PMB0351                                     | PMB0351                                  | PMB0352                                  | PMB0352                                  | PMB0352                                  |
|                             | OnCall 24x7 1-year                          |  |  |  |  |
|                             | OnCall 24x7 3-year                          |  |  |  |  |
| ProSUPPORT Maintenance PKGS | OnCall 24x7 5-year                          |  |  |  |  |

# Smart Managed Pro Switches

Smart Managed Pro, L2+ with static routing, Gigabit



| MODEL                       | GS752TSB                                   | GS752TPSB                                | S3300-28X (GS728TX)  | S3300-52X (GS752TX)   |                                       |
|-----------------------------|--|--|--|---|---------------------------------------|
| Port Configuration          | 10/100/1000 RJ45 Ports (Auto Uplink)       | 48                                       | 48   | 48 / 2 10GBase-T  |                                       |
|                             | Fiber Ports                                | 4 SFP                                    | 4 SFP  | 2 SFP+ (10G)  |                                       |
|                             | PoE  | Power Over Ethernet 802.3af Ports        | 48   | 48  | 48 / 2 10GBase-T                      |
| Stacking                    | PoE Plus (30W) 802.3at Ports               |  | 8  |   |                                       |
|                             | Total PoE Budget                           | 384W                                     | 384W   |   |                                       |
|                             | Number of Dedicated Stacking Ports         | 2 SFP (2.5G)                             | 2 SFP (2.5G)   | Up to 2 10G ports   | Up to 2 10G ports                     |
| Scalability                 | Stacking Bandwidth                         | 10 Gbps                                  | 10 Gbps  | 40 Gbps   |                                       |
|                             | Stacking (maximum capacity)                | 6 units or 300 ports                     | 6 units or 300 ports   | 6 units or 300 ports  | 6 units or 300 ports                  |
|                             | Stacking Compatibility                     | GS7XXTSB/GSXXTPSB                        | GS7XXTSB/GSXXTPSB  | S3300 series, M4300-12X12F, M4300-24X                                     | S3300 series, M4300-12X12F, M4300-24X |
| System Management           | # MAC Addresses                            | 16,000                                   | 16,000   | 16,000  |                                       |
|                             | ARP Table - Size of                        | 1,024                                    | 1,024  | 512   |                                       |
|                             | # Routing Entries                          | 32                                       | 32   | 32  |                                       |
| Quality of Service          | # ACL Rules                                | 256                                      | 256  | 480   |                                       |
|                             | Single IP Management                       | ✓  | ✓  | ✓   |                                       |
|                             | Web Managed/GUI                            | ✓  | ✓  | ✓   |                                       |
| Multicast Filtering         | SNMP Version                               | v1, v2c, v3                              | v1, v2c, v3  | v1, v2c, v3   |                                       |
|                             | RMON Group                                 | 1,2,3,9                                  | 1,2,3,9  | 1,2,3,9   |                                       |
|                             | DHCP (Client/Server/Relay)                 | Client                                   | Client   | Client/L2 Relay   |                                       |
| Performance                 | Port Mirroring                             | Many-to-One                              | Many-to-One  | Many-to-One   |                                       |
|                             | IPv6 full set                              | ✓  | ✓  | ✓   |                                       |
|                             | Number of Priority Queues                  | 8  | 8  | 8   |                                       |
| Availability                | Traffic Prioritization                     | 802.1p                                   | 802.1p, DSCP   | 802.1p; Diffserv; TCP/UDP   |                                       |
|                             | Auto Voice VLAN                            | ✓  | ✓  | ✓   |                                       |
|                             | IGMP Snooping Querier                      | ✓  | ✓  | ✓   |                                       |
| Traffic Management          | Bandwidth                                  | 104 Gbps                                 | 104 Gbps   | 128 Gbps  |                                       |
|                             | Buffer Memory                              | 16 MB Per System                         | 2 MB Per System  | 2 MB Per System   |                                       |
|                             | Jumbo Frames                               | ✓  | ✓  | ✓   |                                       |
| L3 Routing                  | Spanning Tree 802.1d/RSTP .1w/MSTP .1s     | 802.1d, .1w, .1s                         | 802.1d, .1w, .1s   | 802.1d, .1w, .1s  |                                       |
|                             | Number of 802.1q VLAN/Number of VLAN Group | 256                                      | 256  | 256   |                                       |
|                             | Link Agregation 802.3ad/LACP               | ✓  | ✓  | ✓   |                                       |
| Security                    | Discovery Protocol LLDP 802.1ab            | ✓  | ✓  | ✓   |                                       |
|                             | Rate Limiting                              | ✓  | ✓  | ✓   |                                       |
|                             | Broadcast Storm Control                    | ✓  | ✓  | ✓   |                                       |
| Energy Efficiency           | IPv4 Static Routing                        | ✓  | ✓  | ✓   |                                       |
|                             | IEEE 802.1x (RADIUS)                       | ✓  | ✓  | ✓   |                                       |
|                             | ACL - Access Control Lists                 | MAC, IP                                  | MAC, IP  | MAC, IP, TCP  |                                       |
| Physical                    | SSL/SSH & HTTPS                            | HTTPS                                    | HTTPS  | HTTPS   |                                       |
|                             | Guest VLAN                                 | ✓  | ✓  | ✓   |                                       |
|                             | DHCP Snooping/IP Source Guard/ARP Guard    | ✓  | ✓  | ✓   |                                       |
| Warranty Hardware           | TACACS+                                    | ✓  | ✓  | ✓   |                                       |
|                             | IEEE 802.3az                               | ✓  | ✓  | ✓   |                                       |
|                             | Auto Port Power Down                       | ✓  | ✓  | ✓   |                                       |
| Modules                     | Dynamic Power Consumption                  | ✓  | ✓  | ✓   |                                       |
|                             | Max Power Consumption                      | 77W                                      | 527W   | 28.18W  |                                       |
|                             | Desktop/Rackmount/Click                    | Rackmount                                | Rackmount  | Rackmount   |                                       |
| ProSUPPORT Maintenance PKGS | Metal/Plastic Enclosure                    | Metal                                    | Metal  | Metal   |                                       |
|                             | MTBF @ 25°C                                | 303,219 hrs (35 yrs)                     | 206,539 hrs (24 yrs)   | 278,559 hrs (32 yrs)  |                                       |
|                             | Fan(s)                                     | 2  | 2  | 2   |                                       |
| Warranty Power Supply       | Acoustic Noise @ 25°C                      | 34.8dBA                                  | 42.7dBA  | 40dBA   |                                       |
|                             | Width x Depth x Height                     | 440 x 257 x 43 mm (17.3 x 11.8 x 1.7 in) | 440 x 310 x 43 mm (17.3 x 17.0 x 1.7 in)   | 440 x 257 x 43 mm (17.3 x 10.1 x 1.7 in)                                  |                                       |
|                             | Weight                                     | 4.31 kg (11.38 lb)                       | 5.48 kg (16.02 lb)   | 3.55 kg (7.80 lb)   |                                       |
| ProSUPPORT Maintenance PKGS | Class (A or B)                             | A  | A  | A   |                                       |
|                             | AGM731F/732F/AGC761                        | AGM731F/732F                             | AGM731F/AGM732F; AXM761/AXM762/AXM763/AXM764/AXC761/AXC763/AXC761/3/5/7/10/15/20 | AGM731F/AGM732F; AXM761/AXM762/AXM763/AXM764/AXM765/AXC761/3/5/7/10/15/20 |                                       |
|                             | PMB0312                                    | PMB0312                                  | PMB0312  | PMB0312   |                                       |
| ProSUPPORT Maintenance PKGS | PMB0332                                    | PMB0332                                  | PMB0332  | PMB0332   |                                       |
|                             | PMB0352                                    | PMB0352                                  | PMB0352  | PMB0352   |                                       |
|                             | OnCall 24x7 1-year                         |  |  |   |                                       |
| ProSUPPORT Maintenance PKGS | OnCall 24x7 3-year                         |  |  |   |                                       |
|                             | OnCall 24x7 5-year                         |  |  |   |                                       |

# Smart Managed Pro Switches

Smart Managed Pro, L2+ with static routing, Gigabit



| MODEL                 | S3300-28X-POE+ (GS728TXP)   | S3300-52X-POE+ (GS752TXP)   | GS752TXS  |                           |
|-----------------------|---|---|---|---------------------------|
| Port Configuration    | 10/100/1000 RJ45 Ports (Auto Uplink)  | 24 / 2 10GBase-T  | 24 / 2 10GBase-T  |                           |
|                       | Fiber Ports   | 2 SFP+ (10G)  | 2 SFP+ (10G)  |                           |
| PoE                   | Power Over Ethernet 802.3af Ports   | 24  | 48  |                           |
|                       | PoE Plus (30W) 802.3at Ports  | 24  | 48  |                           |
|                       | Total PoE Budget  | 195W/up to 740W with RPS  | 390W/ up to 1,440W with RPS   |                           |
| Stacking              | Number of Dedicated Stacking Ports  | Up to 2 10G ports   | Up to 2 10G ports   |                           |
|                       | Stacking Bandwidth  | 40 Gbps   | 40 Gbps   |                           |
|                       | Stacking (maximum capacity)   | 6 units or 300 ports  | 6 units or 300 ports  |                           |
|                       | Stacking Compatibility  | S3300 series, M4300-12X12F, M4300-24X   | S3300 series, M4300-12X12F, M4300-24X                                     |                           |
| Scalability           | # MAC Addresses   | 16,000  | 16,000  |                           |
|                       | ARP Table - Size of   | 512   | 1,024   |                           |
|                       | # Routing Entries   | 32  | 32  |                           |
|                       | # ACL Rules   | 480   | 100   |                           |
| System Management     | Single IP Management  | ✓   | ✓   |                           |
|                       | Web Managed/GUI   | ✓   | ✓   |                           |
|                       | SNMP Version  | v1, v2c, v3   | v1, v2c, v3   |                           |
|                       | RMON Group  | 1,2,3,9   | 1,2,3,9   |                           |
|                       | DHCP (Client/Server/Relay)  | Client/L2 Relay   | Client/L2 Relay   |                           |
|                       | Port Mirroring  | Many-to-One   | Many-to-One   |                           |
|                       | IPv6 full set   | ✓   | ✓   |                           |
|                       | Quality of Service  | Number of Priority Queues   | 8   | 8                         |
|                       | Traffic Prioritization  | 802.1p; Diffserv; TCP/UDP   | 802.1p; Diffserv; TCP/UDP   | 802.1p; Diffserv; TCP/UDP |
|                       | Auto Voice VLAN   | ✓   | ✓   |                           |
| Multicast Filtering   | IGMP Snooping Version   | v1, v2, v3  | v1, v2, v3  |                           |
|                       | IGMP Snooping Querier   | ✓   | ✓   |                           |
| Performance           | Bandwidth   | 128 Gbps  | 176 Gbps  |                           |
|                       | Buffer Memory   | 2 MB Per System   | 2 MB Per System   |                           |
|                       | Jumbo Frames  | ✓   | ✓   |                           |
| Availability          | Spanning Tree 802.1d/RSTP .1w/MSTP .1s  | 802.1d, .1w, .1s  | 802.1d, .1w, .1s  |                           |
| Traffic Management    | Number of 802.1q VLAN/Number of VLAN Group  | 256   | 256   |                           |
|                       | Link Agregation 802.3ad/LACP  | ✓   | ✓   |                           |
|                       | Discovery Protocol LLDP 802.1ab   | ✓   | ✓   |                           |
|                       | Rate Limiting   | ✓   | ✓   |                           |
|                       | Broadcast Storm Control   | ✓   | ✓   |                           |
|                       | IPv4 Static Routing   | ✓   | ✓   |                           |
| L3 Routing            | IEEE 802.1x (RADIUS)  | ✓   | ✓   |                           |
|                       | ACL - Access Control Lists  | MAC, IP, TCP  | MAC, IP, TCP  |                           |
|                       | SSL/SSH & HTTPS   | HTTPS   | HTTPS   |                           |
|                       | Guest VLAN  | ✓   | ✓   |                           |
|                       | DHCP Snooping/IP Source Guard/ARP Guard   | ✓   | ✓   |                           |
|                       | TACACS+   | ✓   | ✓   |                           |
| Energy Efficiency     | IEEE 802.3az  | ✓   | ✓   |                           |
|                       | Auto Port Power Down  | ✓   | ✓   |                           |
|                       | Dynamic Power Consumption   | ✓   | ✓   |                           |
|                       | Max Power Consumption   | 44.12W  | 1484.12W  |                           |
| Physical              | Desktop/Rackmount/Click   | Rackmount   | Rackmount   |                           |
|                       | Metal/Plastic Enclosure   | Metal   | Metal   |                           |
|                       | MTBF @ 25°C   | 147,965 hrs (17 yrs)  | 216,809 hrs (25 yrs)  |                           |
|                       | Fan(s)  | 3   | 3   |                           |
|                       | Acoustic Noise @ 25°C   | 36.8dBA   | 40dBA   |                           |
|                       | Width x Depth x Height  | 440 x 257 x 43 mm (17.3 x 10.1 x 1.7 in)  | 440 x 257 x 43 mm (17.3 x 10.1 x 1.7 in)                                  |                           |
|                       | Weight  | 3.77 kg (8.30 lb)   | 3.55 kg (7.80 lb)   |                           |
|                       | Electromagnetic Compliance  | Class (A or B)  | A   |                           |
| Warranty Hardware     | Lifetime  | Lifetime  |   |                           |
| Warranty Power Supply | Lifetime  | Lifetime  |   |                           |
| Modules               | AGM731F/AGM732F; AXM761/AXM762/AXM763/AXM764/AXM765/AXC761/3/5/7/10/15/20; RPS4000 (RPS only) | AGM731F/AGM732F; AXM761/AXM762/AXM763/AXM764/AXM765/AXC761/3/5/7/10/15/20; RPS4000 (RPS only) | AGM731F/AGM732F; AXM761/AXM762/AXM763/AXM764/AXM765/AXC761/3/5/7/10/15/20 |                           |
|                       | ProSUPPORT Maintenance PKGS   | OnCall 24x7 1-year<br>OnCall 24x7 3-year<br>OnCall 24x7 5-year                                | PMB0312<br>PMB0332<br>PMB0352   |                           |

# Smart Managed Pro Switches

Smart Managed Pro, L2+ with static routing, Multi-Gigabit

Smart Managed Pro, L2+ with static routing, 10-Gigabit



| MODEL                      | MS510TX   | MS510XPP  | XS708T  | XS712Tv2                  |
|----------------------------|---|---|---|---------------------------|
| Port Configuration         | 10/100 RJ45 Ports (Auto Uplink)   | N/A   | N/A   | N/A                       |
|                            | 10/100/1000 RJ45 Ports (Auto Uplink)                                      | 4x1G/2x2.5G/2x5G/1x10GBase-T  | 4x1G/2x2.5G/2x5G/1x10GBase-T  | 8 10GBase-T               |
|                            | Fiber Ports   | 1 SFP+ (10G)  | 1 SFP+ (10G)  | 2 Combo SFP+ (10G)        |
| PoE                        | 10Gig Module Bays   |   |   | 2 Combo SFP+ (10G)        |
|                            | Power Over Ethernet 802.3af Ports   |   |   |                           |
|                            | PoE Plus (30W) 802.3at Ports  |   | 8 (PoE+)  |                           |
|                            | Total PoE Budget  |   | 180W  |                           |
| Stacking                   | Number of Dedicated Stacking Ports  |   |   |                           |
|                            | Stacking Bandwidth  |   |   |                           |
|                            | Stacking (maximum capacity)   |   |   |                           |
| Scalability                | # MAC Addresses   | 16,000  | 16,000  | 16,000                    |
|                            | ARP Table - Size of   | 512   | 512   | 738                       |
|                            | # Routing Entries   | 32  | 32  | 32                        |
|                            | # ACL Rules   | 164   | 164   | 100                       |
|                            | System Management   | Single IP Management  |   |                           |
| System Management          | Web Managed/GUI   | ✓   | ✓   | ✓                         |
|                            | Command Line Interface/RS232 Console/Telnet                               | N/A   | N/A   | N/A                       |
|                            | SNMP Version  | v1, v2c, v3   | v1, v2c, v3   | v1, v2c, v3               |
|                            | RMON Group  | 1,2,3,9   | 1,2,3,9   | 1,2,3,9                   |
|                            | DHCP (Client/Server/Relay)  | Client/L2 Relay   | Client/L2 Relay   | Client/L2 Relay           |
|                            | Port Mirroring  | Many-to-One   | Many-to-One   | Many-to-One               |
|                            | IPv6 full set   | ✓   | ✓   | ✓                         |
|                            | Quality of Service  | Number of Priority Queues   | 8   | 8                         |
|                            | Traffic Prioritization  | 802.1p; Diffserv; TCP/UDP   | 802.1p; Diffserv; TCP/UDP   | 802.1p; Diffserv; TCP/UDP |
|                            | Auto Voice VLAN   | ✓   | ✓   |                           |
| Multicast Filtering        | IGMP Snooping Version   | v1, v2, v3  | v1, v2, v3  |                           |
|                            | IGMP Snooping Querier   | ✓   | ✓   |                           |
| Performance                | Bandwidth   | 78 Gbps   | 78 Gbps   |                           |
|                            | Buffer Memory   | 1.5 MB Per System   | 1.5 MB Per System   |                           |
|                            | Jumbo Frames  | 10K   | 10K   |                           |
| Availability               | Spanning Tree 802.1d/RSTP .1w/MSTP .1s                                    | 802.1d, .1w, .1s  | 802.1d, .1w, .1s  |                           |
| Traffic Management         | RPS Redundant Power Supply  | N/A   | N/A   |                           |
|                            | Number of 802.1q VLAN/Number of VLAN Group                                | 256   | 256   |                           |
|                            | Link Agregation 802.3ad/LACP  | ✓   | ✓   |                           |
|                            | Discovery Protocol LLDP 802.1ab   | ✓   | ✓   |                           |
|                            | Rate Limiting   | ✓   | ✓   |                           |
|                            | Broadcast Storm Control   | ✓   | ✓   |                           |
| L3 Routing                 | IPv4 Static Routing   | ✓   | ✓   |                           |
|                            | IEEE 802.1x (RADIUS)  | ✓   | ✓   |                           |
|                            | ACL - Access Control Lists  | MAC, IP, TCP  | MAC, IP, TCP  |                           |
|                            | SSL/SSH & HTTPS   | HTTPS   | HTTPS   |                           |
|                            | Guest VLAN  | ✓   | ✓   |                           |
|                            | DHCP Snooping/IP Source Guard/ARP Guard                                   | ✓   | ✓   |                           |
| Energy Efficiency          | TACACS+   | ✓   | ✓   |                           |
|                            | EEE 802.3az   | ✓   | ✓   |                           |
|                            | Auto Port Power Down  | ✓   | ✓   |                           |
|                            | Dynamic Power Consumption   | ✓   | ✓   |                           |
| Physical                   | Max Power Consumption   | 26.1W   | 234.31W   |                           |
|                            | Desktop/Rackmount/Click   | Desktop/Rackmount   | Desktop/Rackmount   |                           |
|                            | Metal/Plastic Enclosure   | Metal   | Metal   |                           |
|                            | MTBF @ 25°C   | 1,078,683 hrs (123 yrs)   | 376,434 hrs (43 yrs)  |                           |
|                            | Fan(s)  | 1   | 1   |                           |
|                            | Acoustic Noise @ 25°C   | 21dBA   | 28.8dBA   |                           |
|                            | Width x Depth x Height  | 328 x 169 x 43 mm (12.9 x 6.7 x 1.7 in)                                   | 328 x 169 x 43 mm (12.9 x 6.7 x 1.7 in)                                   |                           |
|                            | Weight  | 1.42 kg (3.13 lb)   | 1.9 kg (4.19 lb)  |                           |
| Electromagnetic Compliance | Class (A or B)  | A   |   |                           |
| Warranty Hardware*         | Lifetime  | Lifetime  |   |                           |
| Warranty Power Supply      | Lifetime  | Lifetime  |   |                           |
| Modules                    | AGM731F/AGM732F; AXM761/AXM762/AXM763/AXM764/AXM765/AXC761/3/5/7/10/15/20 | AGM731F/AGM732F; AXM761/AXM762/AXM763/AXM764/AXM765/AXC761/3/5/7/10/15/20 | AGM731F/AGM732F; AXM761/AXM762/AXM763/AXM764/AXM765/AXC761/3/5/7/10/15/20 |                           |
|                            | ProSUPPORT Maintenance PKGS   | OnCall 24x7 1-year<br>OnCall 24x7 3-year<br>OnCall 24x7 5-year            | PMB0312<br>PMB0332<br>PMB0352   |                           |

# Smart Managed Pro Switches

Smart Managed Pro, L2+ with static routing, 10-Gigabit



| MODEL                       |   | XS716T  | XS728T  | XS748T                                   |                           |
|-----------------------------|---|---|---|--|---------------------------|
| Port Configuration          | 10/100 RJ45 Ports (Auto Uplink)   |   |   |  |                           |
|                             | 10/100/1000 RJ45 Ports (Auto Uplink)                                      | 16 10GBase-T  | 24 10GBase-T  | 44 10GBase-T                             |                           |
|                             | Fiber Ports   | 2 Combo SFP+ (10G)  | 4 SFP+ (10G)  | 4 SFP+ (10G)                             |                           |
| PoE                         | Power Over Ethernet 802.3af Ports   |   |   |  |                           |
|                             | PoE Plus (30W) 802.3at Ports  |   |   |  |                           |
|                             | Total PoE Budget  |   |   |  |                           |
| Scalability                 | # MAC Addresses   | 16,000  | 32,000  | 32,000                                   |                           |
|                             | ARP Table - Size of   | 738   | 1,024   | 1,024                                    |                           |
|                             | # Routing Entries   | 32  | 64  | 64                                       |                           |
|                             | # ACL Rules   | 100   | 100   | 100                                      |                           |
|                             | System Management   | Single IP Management  | ✓   | ✓  | ✓                         |
| System Management           | Web Managed/GUI   | ✓   | ✓   | ✓  |                           |
|                             | Command Line Interface/RS232 Console/Telnet                               |   |   |  |                           |
|                             | SNMP Version  | v1, v2c, v3   | v1, v2c, v3   | v1, v2c, v3                              |                           |
|                             | RMON Group  | 1,2,3,9   | 1,2,3,9   | 1,2,3,9                                  |                           |
|                             | DHCP (Client/Server/Relay)  | Client/L2 Relay   | Client/L2 Relay   | Client/L2 Relay                          |                           |
|                             | Port Mirroring  | Many-to-One   | Many-to-One   | Many-to-One                              |                           |
|                             | IPv6 full set   | ✓   | ✓   | ✓  |                           |
|                             | Quality of Service  | Number of Priority Queues   | 8   | 8  | 8                         |
|                             |   | Traffic Prioritization  | 802.1p; Diffserv; TCP/UDP   | 802.1p; Diffserv; TCP/UDP                | 802.1p; Diffserv; TCP/UDP |
|                             |   | Auto Voice VLAN   | ✓   | ✓  | ✓                         |
| Multicast Filtering         | IGMP Snooping Version   | v1, v2, v3  | v1, v2, v3  | v1, v2, v3                               |                           |
|                             | IGMP Snooping Querier   | ✓   | ✓   | ✓  |                           |
| Performance                 | Bandwidth   | 320 Gbps  | 560 Gbps  | 960 Gbps                                 |                           |
|                             | Buffer Memory   | 2 MB Per System   | 3 MB Per System   | 3 MB Per System                          |                           |
|                             | Jumbo Frames  | 9K  | 10K   | 10K                                      |                           |
| Availability                | Spanning Tree 802.1d/RSTP .1w/MSTP .1s                                    | 802.1d, .1w, .1s  | 802.1d, .1w, .1s  | 802.1d, .1w, .1s                         |                           |
|                             | RPS Redundant Power Supply  |   |   |  |                           |
| Traffic Management          | Number of 802.1q VLAN/Number of VLAN Group                                | 256   | 512   | 512                                      |                           |
|                             | Link Aggregation 802.3ad/LACP   | ✓   | ✓   | ✓  |                           |
|                             | Discovery Protocol LLDP 802.1ab   | ✓   | ✓   | ✓  |                           |
|                             | Rate Limiting   | ✓   | ✓   | ✓  |                           |
|                             | Broadcast Storm Control   | ✓   | ✓   | ✓  |                           |
| L3 Routing                  | IPv4 Static Routing   | ✓   | ✓   | ✓  |                           |
| Security                    | IEEE 802.1x (RADIUS)  | ✓   | ✓   | ✓  |                           |
|                             | ACL - Access Control Lists  | MAC, IP, TCP  | MAC, IP, TCP  | MAC, IP, TCP                             |                           |
|                             | SSL/SSH & HTTPS   | HTTPS   | HTTPS   | HTTPS                                    |                           |
|                             | Guest VLAN  | ✓   | ✓   | ✓  |                           |
|                             | DHCP Snooping/IP Source Guard/ARP Guard                                   | ✓   | ✓   | ✓  |                           |
|                             | TACACS+   | ✓   | ✓   | ✓  |                           |
| Energy Efficiency           | Auto Port Power Down  | ✓   | ✓   | ✓  |                           |
|                             | Dynamic Power Consumption   | ✓   | ✓   | ✓  |                           |
|                             | Max Power Consumption   | 96.0W   | 134.9W  | 262.8W                                   |                           |
| Physical                    | Desktop/Rackmount/Click   | Rackmount   | Rackmount   | Rackmount                                |                           |
|                             | Metal/Plastic Enclosure   | Metal   | Metal   | Metal                                    |                           |
|                             | MTBF @ 25°C   | 276,832 hrs (32 yrs)  | 514,977 hrs (59 yrs)  | 483,808 hrs (55 yrs)                     |                           |
|                             | Fan(s)  | 2   | 4   | 4  |                           |
|                             | Acoustic Noise @ 25°C   | 29.1dBA   | 41.6dBA   | 47.8dBA                                  |                           |
|                             | Width x Depth x Height  | 440 x 204 x 43 mm (17.3 x 8.0 x 1.7 in)                                   | 440 x 310 x 43 mm (17.3 x 12.2 x 1.7 in)                                  | 440 x 347 x 43 mm (17.3 x 13.7 x 1.7 in) |                           |
|                             | Weight  | 2.98 kg (6.57 lb)   | 5.04 kg (11.11 lb)  | 6.25 kg (13.78 lb)                       |                           |
| Electromagnetic Compliance  | Class (A or B)  | A   | A   | A  |                           |
| Warranty Hardware           | Lifetime  | Lifetime  | Lifetime  |  |                           |
| Warranty Power Supply       | Lifetime  | Lifetime  | Lifetime  |  |                           |
| Modules                     | AGM731F/AGM732F; AXM761/AXM762/AXM763/AXM764/AXM765/AXC761/3/5/7/10/15/20 | AGM731F/AGM732F; AXM761/AXM762/AXM763/AXM764/AXM765/AXC761/3/5/7/10/15/20 | AGM731F/AGM732F; AXM761/AXM762/AXM763/AXM764/AXM765/AXC761/3/5/7/10/15/20 |  |                           |
| ProSUPPORT Maintenance PKGS | OnCall 24x7 1-year  | PMB0312   | PMB0312   | PMB0313                                  |                           |
|                             | OnCall 24x7 3-year  | PMB0332   | PMB0332   | PMB0333                                  |                           |
|                             | OnCall 24x7 5-year  | PMB0352   | PMB0352   | PMB0353                                  |                           |

# WHY SMART BUSINESSES CHOOSE SMART CLOUD SWITCHES



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With their new, modern and sleek design, these white Smart Cloud switches are devices you will want to display.
- Rich feature-set**

Advanced VLAN and QoS, Advanced Security, L3 static routing capabilities, ACL or SNMP are some of the many features that are available in Smart Cloud switches.
- Deploy anywhere**

Desktop/wallmount and rackmount form factors and silent or whisper-quiet operation makes them the perfect switches to deploy in any environment, even noise-sensitive.
- Designed as a Core Switch**

Powerful L2+/Layer 3 Lite features make them the most cost-effective core switches for SMB and virtualization environment
- Power it all**

Choose from a choice of PoE/PoE+ power to enable seamless PoE connection of standard PoE devices (IP Phones, Wireless Access Points, IP Cameras even high-power Pan-Tilt-Zoom models, IoT devices, etc).
- Smart redundancy**

Smart switches mean smart redundancy with Link protection, Spanning Tree, LACP (Port Trunking), and Spanning Tree (STP/RSTP/MSTP)
- Industry-leading 5-year limited hardware warranty**

Quality, durability, and peace of mind from NETGEAR



# Smart Cloud Switches

Insight Managed Smart Cloud, L2, Gigabit

| MODEL   | GC110  | GC110P   |
|---|--|--|
| <b>Unified Network Management (Discovery, Setup, Monitoring &amp; Management)</b> | Discovery, setup, monitoring and management Remote/Cloud management    | NETGEAR Insight mobile app on phone or tablet, or Insight Cloud Portal from PC, Mac, or tablet web browser   |
| Port Configuration  | Centralized network configuration (policies)                           | Centralized network configuration (policies) across Insight Managed Switches, Wireless Access Points, and Business-class ReadyNAS Storage for VLANs, ACLs, QoS, and LAGs |
|   | Device auto-join and configure (zero-touch provisioning)               | Additional Insight Managed devices added to the network automatically inherit the network configuration  |
|   | Multi-site, multi-network single pane-of-glass view                    | Manage multiple sites, locations, and networks in a single view using the Insight app or Cloud Portal  |
| PoE (Power over Ethernet)   | 10/100/1000 RJ45 Ports (Auto Uplink)                                   | 8  |
|   | 1G SFP Fiber Ports   | 2 dedicated  |
| LEDs  | Power Over Ethernet 802.3af Ports                                      | 8  |
|   | PoE+ (30W) 802.3at Ports   |  |
|   | Total PoE Budget   | 62W  |
| Scalability   | Advanced per-port PoE controls (enable/disable/power limit)            | Yes  |
|   | Advanced per-port PoE scheduling                                       | Yes  |
|   | # MAC Addresses  | 16,000   |
| System Management   | Cloud/Remote Management  | Yes  |
|   | Mobile app and Cloud Portal management                                 | Yes  |
|   | uPnP Discovery & Bonjour Discovery                                     | Yes  |
|   | Centralized network configuration (policies)                           | Yes  |
|   | Device auto-join and configure (zero-touch provisioning)               | Yes  |
|   | Multi-site, multi-network single pane-of-glass view                    | Yes  |
|   | Multi-switch, multi-port concurrent configuration                      | Yes  |
|   | Network/global password (for all Insight Managed devices on a network) | Yes  |
|   | Local-only Web Browser-Based Managed/GUI                               | Yes  |
|   | DHCP (Client/Server/Relay)   | Client   |
| Quality of Service  | Port Mirroring   | Many-to-One  |
|   | IPV6 Management  | Yes  |
|   | Firmware upgrade direct from Cloud (via mobile device)                 | Yes  |
| Multicast Filtering   | Number of Priority Queues  | 8  |
|   | Traffic Prioritization   | 802.1p, DSCP, Diffserv   |
|   | Auto Voice VLAN  | Yes  |
| Performance   | IGMP Snooping Version  | v1, v2, v3   |
|   | IGMP Snooping Querier  | Yes  |
|   | Bandwidth  | 20 Gbps  |
| Availability  | Buffer Memory  | 1.5 MB Per System  |
|   | Jumbo Frames   | Yes  |
|   | Spanning Tree 802.1d/RSTP .1w/MSTP .1s                                 | 802.1d, .1w, .1s   |
| Traffic Management  | Number of 802.1q VLAN/Number of VLAN Group                             | 256  |
|   | Link Aggregation 802.3ad/LACP  | Yes  |
|   | Discovery Protocol LLDP 802.1ab  | Yes  |
| L3 Routing  | Rate Limiting  | Yes  |
|   | Broadcast Storm Control  | Yes  |
|   | IPV4/IPV6 Static Routing   | Yes  |
| Security  | IEEE 802.1x (RADIUS)   | Yes  |
|   | ACL - Access Control Lists   | MAC, IP, TCP   |
|   | SSL/SSH & HTTPS  | SSL/HTTPS  |
| Energy Efficiency   | Guest VLAN   | Yes  |
|   | DHCP Snooping/IP Source Guard  | Yes  |
|   | TACACS+  | Yes  |
| Physical  | IEEE 802.3az   | Yes  |
|   | Auto Port Power Down   | Yes  |
|   | Dynamic Power Consumption  | Yes  |
| Electromagnetic Compliance  | Max Power Consumption  | 10.1W  |
|   | Desktop/Wallmount (VESA)/Rackmount                                     | Desktop/Wallmount  |
|   | Metal/Plastic Enclosure  | Metal  |
| Warranty Switch*  | MTBF @ 25°C  | 4,013,311 hrs (458 yrs)  |
|   | Acoustic Noise @ 25°C  | 0dBA   |
|   | Fan(s)   |  |
| Warranty External Power Adapter   | Width x Depth x Height   | 245 x 123 x 33 mm (9.6 x 4.8 x 1.3 in)   |
|   | Weight   | 0.73 kg (1.61 lb)  |
|   | Class (A or B)   | A  |
| Modules   | Class (A or B)   | A  |
|   | Warranty Switch*   | 5 years  |
|   | Warranty External Power Adapter  | 2 years  |
| ProSUPPORT Maintenance Pkgs***  | AGM731F, AGM732F, AGM734   | AGM731F, AGM732F, AGM734   |
|   | OnCall 24x7 1-year   | PMB0512  |
|   | OnCall 24x7 3-year   | PMB0532  |
| ProSUPPORT Maintenance Pkgs***  | OnCall 24x7 5-year   | PMB0552  |

# Smart Cloud Switches

Insight Managed Smart Cloud, L2, Gigabit

| MODEL   | GC510P   | GC510PP  |
|---|--|--|
| <b>Unified Network Management (Discovery, Setup, Monitoring &amp; Management)</b> | Discovery, setup, monitoring and management Remote/Cloud management    | NETGEAR Insight mobile app on phone or tablet, or Insight Cloud Portal from PC, Mac, or tablet web browser   |
| Port Configuration  | Centralized network configuration (policies)                           | Centralized network configuration (policies) across Insight Managed Switches, Wireless Access Points, and Business-class ReadyNAS Storage for VLANs, ACLs, QoS, and LAGs |
|   | Device auto-join and configure (zero-touch provisioning)               | Additional Insight Managed devices added to the network automatically inherit the network configuration  |
|   | Multi-site, multi-network single pane-of-glass view                    | Manage multiple sites, locations, and networks in a single view using the Insight app or Cloud Portal  |
| PoE (Power over Ethernet)   | 10/100/1000 RJ45 Ports (Auto Uplink)                                   | 8  |
|   | 1G SFP Fiber Ports   | 2 dedicated  |
| LEDs  | Power Over Ethernet 802.3af Ports                                      | 8  |
|   | PoE+ (30W) 802.3at Ports   | 8  |
|   | Total PoE Budget   | 134W   |
| Scalability   | Advanced per-port PoE controls (enable/disable/power limit)            | Yes  |
|   | Advanced per-port PoE scheduling                                       | Yes  |
|   | # MAC Addresses  | 16000  |
| System Management   | Cloud/Remote Management  | Yes  |
|   | Mobile app and Cloud Portal management                                 | Yes  |
|   | uPnP Discovery & Bonjour Discovery                                     | Yes  |
|   | Centralized network configuration (policies)                           | Yes  |
|   | Device auto-join and configure (zero-touch provisioning)               | Yes  |
|   | Multi-site, multi-network single pane-of-glass view                    | Yes  |
|   | Multi-switch, multi-port concurrent configuration                      | Yes  |
|   | Network/global password (for all Insight Managed devices on a network) | Yes  |
|   | Local-only Web Browser-Based Managed/GUI                               | Yes  |
|   | DHCP (Client/Server/Relay)   | Client   |
| Quality of Service  | Port Mirroring   | Many-to-One  |
|   | IPV6 Management  | Yes  |
|   | Firmware upgrade direct from Cloud (via mobile device)                 | Yes  |
| Multicast Filtering   | Number of Priority Queues  | 8  |
|   | Traffic Prioritization   | 802.1p, DSCP, Diffserv   |
|   | Auto Voice VLAN  | Yes  |
| Performance   | IGMP Snooping Version  | v1, v2, v3   |
|   | IGMP Snooping Querier  | Yes  |
|   | Bandwidth  | 20 Gbps  |
| Availability  | Buffer Memory  | 1.5 MB Per System  |
|   | Jumbo Frames   | Yes  |
|   | Spanning Tree 802.1d/RSTP .1w/MSTP .1s                                 | 802.1d, .1w, .1s   |
| Traffic Management  | Number of 802.1q VLAN/Number of VLAN Group                             | 256  |
|   | Link Aggregation 802.3ad/LACP  | Yes  |
|   | Discovery Protocol LLDP 802.1ab  | Yes  |
| L3 Routing  | Rate Limiting  | Yes  |
|   | Broadcast Storm Control  | Yes  |
|   | IPV4/IPV6 Static Routing   | Yes  |
| Security  | IEEE 802.1x (RADIUS)   | Yes  |
|   | ACL - Access Control Lists   | MAC, IP, TCP   |
|   | SSL/SSH & HTTPS  | SSL/HTTPS  |
| Energy Efficiency   | Guest VLAN   | Yes  |
|   | DHCP Snooping/IP Source Guard  | Yes  |
|   | TACACS+  | Yes  |
| Physical  | IEEE 802.3az   | Yes  |
|   | Auto Port Power Down   | Yes  |
|   | Dynamic Power Consumption  | Yes  |
| Electromagnetic Compliance  | Max Power Consumption  | 146.9W (full PoE)  |
|   | Desktop/Wallmount (VESA)/Rackmount                                     | Desktop/Wallmount /Rackmount   |
|   | Metal/Plastic Enclosure  | Metal  |
| Warranty Switch*  | MTBF @ 25°C  | 692,457 hrs (79 yrs)   |
|   | Acoustic Noise @ 25°C  | 0dBA   |
|   | Fan(s)   |  |
| Warranty External Power Adapter   | Width x Depth x Height   | 314 x 188 x 44 mm (12.4 x 7.4 x 1.7 in)  |
|   | Weight   | 2.01 kg (4.43 lb)  |
|   | Class (A or B)   | A  |
| Modules   | Class (A or B)   | A  |
|   | Warranty Switch*   | 5 years  |
|   | Warranty External Power Adapter  | 2 years  |
| ProSUPPORT Maintenance Pkgs***  | AGM731F, AGM732F, AGM734   | AGM731F, AGM732F, AGM734   |
|   | OnCall 24x7 1-year   | PMB0512  |
|   | OnCall 24x7 3-year   | PMB0532  |
| ProSUPPORT Maintenance Pkgs***  | OnCall 24x7 5-year   | PMB0552  |

# Smart Cloud Switches

Insight Managed Smart Cloud, L2+/L3 Lite, Gigabit/10G SFP+



| MODEL  | GC728X   | GC728XP  |
|--|--|--|
| <b>Unified Network Management</b><br>(Discovery, Setup, Monitoring & Management) | Discovery, setup, monitoring and management<br>NETGEAR Insight mobile app on phone or tablet, or Insight Cloud Portal from PC, Mac, or tablet web browser<br>Anywhere, anytime, from the palm of your hand using Insight mobile app or from any PC, Mac, or tablet web browser using the Insight Cloud Portal  |  |
|  | Centralized network configuration (policies)   | Centralized network configuration (policies) across Insight Managed Switches, Wireless Access Points, and Business-class ReadyNAS Storage for VLANs, ACLs, QoS, and LAGs               |
|  | Device auto-join and configure (zero-touch provisioning)   | Additional Insight Managed devices added to the network automatically inherit the network configuration  |
|  | Multi-site, multi-network single pane-of-glass view  | Manage multiple sites, locations, and networks in a single view using the Insight app or Cloud Portal  |
| <b>Port Configuration</b>  | 10/100/1000 RJ45 Ports (Auto Uplink)<br>1G SFP Fiber Ports<br>10G SFP+ Fiber Ports   | 24<br>2 dedicated<br>2 dedicated   |
| <b>PoE (Power over Ethernet)</b>   | Power Over Ethernet 802.3af Ports<br>PoE+ (30W) 802.3af Ports<br>Total PoE Budget<br>Advanced per-port PoE controls (enable/disable/power limit)<br>Advanced per-port PoE scheduling   | 24<br>390W<br>Yes<br>Yes   |
| <b>LEDs</b>  | Front (per device) - Desktop models<br>Rear (port side) (per device) - Desktop models<br>Front (port side) (per device) - Rackmount models<br>Rear (port side) (per port) - Desktop models<br>Front (port side) (per port) - Rackmount models  | Cloud/Internet Connection, Power, PoE Max, Fan Status<br>Cloud/Internet Connection, Power, PoE Max, Fan Status<br>Speed/Link/Activity<br>Speed/Link/Activity (left), PoE Power (right) |
| <b>Scalability</b>   | # MAC Addresses<br>ARP Table - Size of<br># Routing Entries<br># ACL Rules (Shared for MAC, IP and IPv6 ACLs)  | 16000<br>384<br>32 IPv4 / 31 IPv6<br>100   |
| <b>System Management</b>   | Cloud/Remote Management<br>Mobile app and Cloud Portal management<br>uPnP Discovery & Bonjour Discovery<br>Centralized network configuration (policies)<br>Device auto-join and configure (zero-touch provisioning)<br>Multi-site, multi-network single pane-of-glass view<br>Multi-switch, multi-port concurrent configuration<br>Network/global password (for all Insight Managed devices on a network)<br>Local-only Web Browser-Based Managed/GUI<br>SNMP Version<br>RMON Group<br>DHCP (Client/Server/Relay)<br>Port Mirroring<br>IPv6 Management<br>Firmware upgrade direct from Cloud (via mobile device) | Yes<br>Yes<br>Yes<br>Yes<br>Yes<br>Yes<br>Yes<br>Yes<br>v1, v2c, v3<br>1,2,3,9<br>Client<br>Many-to-One<br>Yes<br>Yes<br>Yes   |
| <b>Quality of Service</b>  | Number of Priority Queues<br>Traffic Prioritization<br>Auto Voice VLAN   | 8<br>802.1p, DSCP, Diffserv<br>Yes   |
| <b>Multicast Filtering</b>   | IGMP Snooping Version<br>IGMP Snooping Querier   | v1, v2, v3<br>Yes  |
| <b>Performance</b>   | Bandwidth<br>Buffer Memory<br>Jumbo Frames   | 92 Gbps<br>1.5 MB Per System<br>Yes  |
| <b>Availability</b>  | Spanning Tree 802.1d/RSTP .1w/MSTP .1s   | 802.1d, .1w, .1s   |
| <b>Traffic Management</b>  | Number of 802.1q VLAN/Number of VLAN Group<br>Link Aggregation 802.3ad/LACP<br>Discovery Protocol LLDP 802.1ab<br>Rate Limiting<br>Broadcast Storm Control   | 256<br>Yes<br>Yes<br>Yes<br>Yes  |
| <b>L3 Routing</b>  | IPv4/IPv6 Static Routing   | Yes  |
| <b>Security</b>  | IEEE 802.1x (RADIUS)<br>ACL - Access Control Lists<br>SSL/SSH & HTTPS<br>Guest VLAN<br>DHCP Snooping/IP Source Guard<br>TACACS+  | Yes<br>MAC, IP, TCP<br>SSL/HTTPS<br>Yes<br>Yes<br>Yes  |
| <b>Energy Efficiency</b>   | IEEE 802.3az<br>Auto Port Power Down<br>Dynamic Power Consumption<br>Max Power Consumption   | Yes<br>Yes<br>Yes<br>18.5W   |
| <b>Physical</b>  | Desktop/Wallmount (VESA)/Rackmount<br>Metal/Plastic Enclosure<br>MTBF @ 25°C<br>Fan(s)<br>Acoustic Noise @ 25°C<br>Width x Depth x Height<br>Weight  | Desktop/Rackmount<br>Metal<br>629,962 hrs (72 yrs)<br>2 (dynamic)<br>39dBA<br>440 x 224 x 44 mm (17.3 x 8.8 x 1.7 in)<br>3.79 kg (8.36 lb)   |
| <b>Electromagnetic Compliance</b>  | Class (A or B)   | A  |
| <b>Warranty Switch*</b>  | 5 years  | 5 years  |
| <b>Modules</b>   | AGM731F, AGM732F, AGM734, AXM761, AXM762, AXM763, AXM764, AXM765, AXC761, AXC763   | AGM731F, AGM732F, AGM734, AXM761, AXM762, AXM763, AXM764, AXM765, AXC761, AXC763   |
| <b>ProSUPPORT Maintenance Pkgs***</b>  | OnCall 24x7 1-year<br>OnCall 24x7 3-year<br>OnCall 24x7 5-year   | PMB0311<br>PMB0331<br>PMB0351  |

# Smart Cloud Switches

Insight Managed Smart Cloud, L2+/L3 Lite, Gigabit/10G SFP+



| MODEL  | GC752X   | GC752XP  |
|--|--|--|
| <b>Unified Network Management</b><br>(Discovery, Setup, Monitoring & Management) | Discovery, setup, monitoring and management<br>NETGEAR Insight mobile app on phone or tablet, or Insight Cloud Portal from PC, Mac, or tablet web browser<br>Anywhere, anytime, from the palm of your hand using Insight mobile app or from any PC, Mac, or tablet web browser using the Insight Cloud Portal  |  |
|  | Centralized network configuration (policies)   | Centralized network configuration (policies) across Insight Managed Switches, Wireless Access Points, and Business-class ReadyNAS Storage for VLANs, ACLs, QoS, and LAGs               |
|  | Device auto-join and configure (zero-touch provisioning)   | Additional Insight Managed devices added to the network automatically inherit the network configuration  |
|  | Multi-site, multi-network single pane-of-glass view  | Manage multiple sites, locations, and networks in a single view using the Insight app or Cloud Portal  |
| <b>Port Configuration</b>  | 10/100/1000 RJ45 Ports (Auto Uplink)<br>1G SFP Fiber Ports<br>10G SFP+ Fiber Ports   | 48<br>2 dedicated<br>2 dedicated   |
| <b>PoE (Power over Ethernet)</b>   | Power Over Ethernet 802.3af Ports<br>PoE Plus (30W) 802.3af Ports<br>Total PoE Budget<br>Advanced per-port PoE controls (enable/disable/power limit)<br>Advanced per-port PoE scheduling   | 48<br>505W<br>Yes<br>Yes   |
| <b>LEDs</b>  | Front (per device) - Desktop models<br>Rear (port side) (per device) - Desktop models<br>Front (port side) (per device) - Rackmount models<br>Rear (port side) (per port) - Desktop models<br>Front (port side) (per port) - Rackmount models  | Cloud/Internet Connection, Power, PoE Max, Fan Status<br>Cloud/Internet Connection, Power, PoE Max, Fan Status<br>Speed/Link/Activity<br>Speed/Link/Activity (left), PoE Power (right) |
| <b>Scalability</b>   | # MAC Addresses<br>ARP Table - Size of<br># Routing Entries<br># ACL Rules (Shared for MAC, IP and IPv6 ACLs)  | 16000<br>384<br>32 IPv4 / 31 IPv6<br>100   |
| <b>System Management</b>   | Cloud/Remote Management<br>Mobile app and Cloud Portal management<br>uPnP Discovery & Bonjour Discovery<br>Centralized network configuration (policies)<br>Device auto-join and configure (zero-touch provisioning)<br>Multi-site, multi-network single pane-of-glass view<br>Multi-switch, multi-port concurrent configuration<br>Network/global password (for all Insight Managed devices on a network)<br>Local-only Web Browser-Based Managed/GUI<br>SNMP Version<br>RMON Group<br>DHCP (Client/Server/Relay)<br>Port Mirroring<br>IPv6 Management<br>Firmware upgrade direct from Cloud (via mobile device) | Yes<br>Yes<br>Yes<br>Yes<br>Yes<br>Yes<br>Yes<br>Yes<br>v1, v2c, v3<br>1,2,3,9<br>Client<br>Many-to-One<br>Yes<br>Yes<br>Yes   |
| <b>Quality of Service</b>  | Number of Priority Queues<br>Traffic Prioritization<br>Auto Voice VLAN   | 8<br>802.1p, DSCP, Diffserv<br>Yes   |
| <b>Multicast Filtering</b>   | IGMP Snooping Version<br>IGMP Snooping Querier   | v1, v2, v3<br>Yes  |
| <b>Performance</b>   | Bandwidth<br>Buffer Memory<br>Jumbo Frames   | 140 Gbps<br>1.5 MB Per System<br>Yes   |
| <b>Availability</b>  | Spanning Tree 802.1d/RSTP .1w/MSTP .1s   | 802.1d, .1w, .1s   |
| <b>Traffic Management</b>  | Number of 802.1q VLAN/Number of VLAN Group<br>Link Aggregation 802.3ad/LACP<br>Discovery Protocol LLDP 802.1ab<br>Rate Limiting<br>Broadcast Storm Control   | 256<br>Yes<br>Yes<br>Yes<br>Yes  |
| <b>L3 Routing</b>  | IPv4/IPv6 Static Routing   | Yes  |
| <b>Security</b>  | IEEE 802.1x (RADIUS)<br>ACL - Access Control Lists<br>SSL/SSH & HTTPS<br>Guest VLAN<br>DHCP Snooping/IP Source Guard<br>TACACS+  | Yes<br>MAC, IP, TCP<br>SSL/HTTPS<br>Yes<br>Yes<br>Yes  |
| <b>Energy Efficiency</b>   | IEEE 802.3az<br>Auto Port Power Down<br>Dynamic Power Consumption<br>Max Power Consumption   | Yes<br>Yes<br>Yes<br>43.9W   |
| <b>Physical</b>  | Desktop/Wallmount (VESA)/Rackmount<br>Metal/Plastic Enclosure<br>MTBF @ 25°C<br>Fan(s)<br>Acoustic Noise @ 25°C<br>Width x Depth x Height<br>Weight  | Desktop/Rackmount<br>Metal<br>455,682 hrs (50 yrs)<br>3 (dynamic)<br>33dBA<br>440 x 320 x 44 mm (17.3 x 12.6 x 1.7 in)<br>4.79 kg (10.56 lb)   |
| <b>Electromagnetic Compliance</b>  | Class (A or B)   | A  |
| <b>Warranty Switch*</b>  | 5 years  | 5 years  |
| <b>Modules</b>   | AGM731F, AGM732F, AGM734, AXM761, AXM762, AXM763, AXM764, AXM765, AXC761, AXC763   | AGM731F, AGM732F, AGM734, AXM761, AXM762, AXM763, AXM764, AXM765, AXC761, AXC763   |
| <b>ProSUPPORT Maintenance Pkgs***</b>  | OnCall 24x7 1-year<br>OnCall 24x7 3-year<br>OnCall 24x7 5-year   | PMB0312<br>PMB0332<br>PMB0352  |

# Fully Managed Switches

Fully Managed, M4100 series (L2+ with static routing), 10/100 Fast Ethernet

Fully Managed, M4100 series (L2+ with static routing), Gigabit



| MODEL                       | M4100-50-POE (FSM7250P)  | M4100-D12G (FSM5212)                     |                             |
|-----------------------------|--|--|-----------------------------|
| Port Configuration          | 10/100 RJ45 Ports (Auto Uplink)                                | 48                                       |                             |
|                             | 10/100/1000 RJ45 Ports (Auto Uplink)                           | 2  |                             |
|                             | Fiber Ports  | 2 SFP                                    |                             |
| PoE                         | Power Over Ethernet 802.3af Ports                              | 48                                       |                             |
|                             | PoE+ (30W) 802.3at Ports                                       |  |                             |
|                             | Total PoE Budget   | 380W standard / up to 740W with EPS      |                             |
| Scalability                 | # MAC Addresses  | 16,000                                   |                             |
|                             | ARP Table - Size of  | 512                                      |                             |
|                             | # Routing Entries  | 64                                       |                             |
|                             | # ACL Rules  | 512                                      |                             |
| System Management           | Single IP Management   |  |                             |
|                             | Web Managed/GUI  | ✓  |                             |
|                             | Command Line Interface/RS232 Console/Telnet                    | ✓  |                             |
|                             | SNMP Version   | v1, v2c, v3                              |                             |
|                             | RMON Group   | 1, 2, 3, 9                               |                             |
|                             | DHCP (Client/Server/Relay)                                     | Client/Server/L3 Relay                   |                             |
|                             | Port Mirroring   | Many-to-One                              |                             |
|                             | IPv6 full set  | ✓  |                             |
|                             | Quality of Service   | Number of Priority Queues                | 8                           |
|                             |  | Traffic Prioritization                   | 802.1p ; Diffserv ; TCP/UDP |
| Auto Voice VLAN             |  | ✓  |                             |
| Multicast Filtering         | IGMP Snooping Version  | v1, v2, v3                               |                             |
|                             | IGMP Snooping Querier  | ✓  |                             |
| Performance                 | Bandwidth  | 9 Gbps                                   |                             |
|                             | Buffer Memory  | 12 MB                                    |                             |
|                             | Jumbo Frames   | 9K                                       |                             |
| Availability                | Spanning Tree 802.1d/RSTP .1w/MSTP .1s                         | 802.1d, .1w, .1s                         |                             |
|                             | RPS Redundant Power Supply                                     | RPS / EPS                                |                             |
| Traffic Management          | Number of 802.1q VLAN/Number of VLAN Group                     | 1,024 / 1,024                            |                             |
|                             | Link Agregation 802.3ad/LACP                                   | ✓  |                             |
|                             | Discovery Protocol LLDP 802.1ab                                | ✓  |                             |
|                             | Rate Limiting  | ✓  |                             |
|                             | Broadcast Storm Control  | ✓  |                             |
|                             | L3 Routing   | IPv4 Static Routing                      | ✓                           |
| Security                    | IEEE 802.1x (RADIUS)   | ✓  |                             |
|                             | ACL - Access Control Lists                                     | MAC, IP, TCP                             |                             |
|                             | SSL/SSH & HTTPS  | SSL/SSH & HTTPS                          |                             |
|                             | Guest VLAN   | ✓  |                             |
|                             | DHCP Snooping  | ✓  |                             |
|                             | TACACS+  | ✓  |                             |
|                             | Auto Port Power Down   | ✓  |                             |
|                             | Dynamic Power Consumption                                      | ✓  |                             |
|                             | Max Power Consumption  | 486.64W                                  |                             |
|                             | Physical   | Desktop/Rackmount/Click                  | Rackmount                   |
| Metal/Plastic Enclosure     |  | Metal                                    |                             |
| MTBF @ 25°C                 |  | 163,019 hrs (19 yrs)                     |                             |
| Fan(s)                      |  | ✓  |                             |
| Acoustic Noise @ 25°C       |  | 38.9dba                                  |                             |
| Width x Depth x Height      |  | 440 x 310 x 43 mm (17.3 x 12.2 x 1.7 in) |                             |
| Weight                      |  | 4.96 kg (10.9 lb)                        |                             |
| Electromagnetic Compliance  | Class (A or B)   | A  |                             |
| Warranty Hardware           | Lifetime   | Lifetime                                 |                             |
| Warranty Power Supply       | Lifetime   | Lifetime                                 |                             |
| Modules                     | AFM735/ AGM731F/AGM732F, RPS4000 (RPS/EPS x4 switches)         | AFM735/ AGM731F/AGM732F                  |                             |
| ProSUPPORT Maintenance PKGS | OnCall 24x7 1-year<br>OnCall 24x7 3-year<br>OnCall 24x7 5-year | PMB0312<br>PMB0332<br>PMB0352            |                             |

# Fully Managed Switches

Fully Managed, M4100 series (L2+ with static routing), Gigabit



| MODEL                       | M4100-12GF (GSM7212F)  | M4100-26G (GSM7224)                                 | M4100-50G (GSM7248)                                 | M4100-26G-POE (GSM7226LP)                |                             |
|-----------------------------|--|---|---|--|-----------------------------|
| Port Configuration          | 10/100 RJ45 Ports (Auto Uplink)                                |   |   |  |                             |
|                             | 10/100/1000 RJ45 Ports (Auto Uplink)                           | 12  | 26  | 50                                       |                             |
|                             | Fiber Ports  | 12 SFP  | 4 SFP   | 4 SFP                                    |                             |
| PoE                         | Power Over Ethernet 802.3af Ports                              | 4   |   | 24                                       |                             |
|                             | PoE+ (30W) 802.3at Ports                                       | 4   |   |  |                             |
|                             | Total PoE Budget   | 150W standard                                       |   | 192W standard / up to 380W with EPS      |                             |
| Scalability                 | # MAC Addresses  | 16,000  | 16,000  | 16,000                                   |                             |
|                             | ARP Table - Size of  | 512   | 512   | 512                                      |                             |
|                             | # Routing Entries  | 64  | 64  | 64                                       |                             |
|                             | # ACL Rules  | 512   | 512   | 512                                      |                             |
| System Management           | Web Managed/GUI  | ✓   | ✓   | ✓  |                             |
|                             | Command Line Interface/RS232 Console/Telnet                    | ✓   | ✓   | ✓  |                             |
|                             | SNMP Version   | v1, v2c, v3   | v1, v2c, v3   | v1, v2c, v3                              |                             |
|                             | RMON Group   | 1, 2, 3, 9  | 1, 2, 3, 9  | 1, 2, 3, 9                               |                             |
|                             | DHCP (Client/Server/Relay)                                     | Client/Server/L3 Relay                              | Client/Server/L3 Relay                              | Client/Server/L3 Relay                   |                             |
|                             | Port Mirroring   | Many-to-One   | Many-to-One   | Many-to-One                              |                             |
|                             | IPv6 full set  | ✓   | ✓   | ✓  |                             |
|                             | Quality of Service   | Number of Priority Queues                           | 8   | 8  | 8                           |
|                             |  | Traffic Prioritization                              | 802.1p ; Diffserv ; TCP/UDP                         | 802.1p ; Diffserv ; TCP/UDP              | 802.1p ; Diffserv ; TCP/UDP |
|                             |  | Auto Voice VLAN                                     | ✓   | ✓  | ✓                           |
| Multicast Filtering         | IGMP Snooping Version  | v1, v2, v3  | v1, v2, v3  | v1, v2, v3                               |                             |
|                             | IGMP Snooping Querier  | ✓   | ✓   | ✓  |                             |
| Performance                 | Bandwidth  | 24 Gbps   | 52 Gbps   | 100 Gbps                                 |                             |
|                             | Buffer Memory  | 12 MB   | 12 MB   | 12 MB                                    |                             |
|                             | Jumbo Frames   | 9K  | 9K  | 9K                                       |                             |
| Availability                | Spanning Tree 802.1d/RSTP .1w/MSTP .1s                         | 802.1d, .1w, .1s                                    | 802.1d, .1w, .1s                                    | 802.1d, .1w, .1s                         |                             |
|                             | RPS Redundant Power Supply                                     | RPS   | RPS   | RPS / EPS                                |                             |
| Traffic Management          | Number of 802.1q VLAN/Number of VLAN Group                     | 1,024/1,024   | 1,024/1,024   | 1,024/1,024                              |                             |
|                             | Link Agregation 802.3ad/LACP                                   | ✓   | ✓   | ✓  |                             |
|                             | Discovery Protocol LLDP 802.1ab                                | ✓   | ✓   | ✓  |                             |
|                             | Rate Limiting  | ✓   | ✓   | ✓  |                             |
|                             | Broadcast Storm Control  | ✓   | ✓   | ✓  |                             |
|                             | L3 Routing   | IPv4 Static Routing                                 | ✓   | ✓  |                             |
| Security                    | IEEE 802.1x (RADIUS)   | ✓   | ✓   | ✓  |                             |
|                             | ACL - Access Control Lists                                     | MAC, IP, TCP  | MAC, IP, TCP  | MAC, IP, TCP                             |                             |
|                             | SSL/SSH & HTTPS  | SSL/SSH & HTTPS                                     | SSL/SSH & HTTPS                                     | SSL/SSH & HTTPS                          |                             |
|                             | Guest VLAN   | ✓   | ✓   | ✓  |                             |
|                             | DHCP Snooping/IP Source Guard/ARP Guard                        | ✓   | ✓   | ✓  |                             |
|                             | TACACS+  | ✓   | ✓   | ✓  |                             |
|                             | Energy Efficiency  | IEEE 802.3az  |   |  |                             |
|                             |  | Auto Port Power Down                                | ✓   | ✓  | ✓                           |
|                             |  | Dynamic Power Consumption                           | ✓   | ✓  | ✓                           |
|                             |  | Power Consumption                                   | 160.6W  | 31.6W                                    | 49.5W                       |
| Physical                    | Desktop/Rackmount/Click  | Rackmount   | Rackmount   | Rackmount                                |                             |
|                             | Metal/Plastic Enclosure  | Metal   | Metal   | Metal                                    |                             |
|                             | MTBF @ 25°C  | 670,956 hrs (77 yrs)                                | 702,785 hrs (80 yrs)                                | 489,311 hrs (56 yrs)                     |                             |
|                             | Fan(s)   | ✓   | ✓   | ✓  |                             |
|                             | Acoustic Noise @ 25°C  | 30dba   | 35.6dba   | 37.2dba                                  |                             |
|                             | Width x Depth x Height   | 440 x 257 x 43 mm (17.3 x 10.1 x 1.7 in)            | 440 x 257 x 43 mm (17.3 x 10.1 x 1.7 in)            | 440 x 257 x 43 mm (17.3 x 10.1 x 1.7 in) |                             |
|                             | Weight   | 3.67 kg (8.08 lb)                                   | 3.24 kg (7.1 lb)                                    | 3.63 kg (8.0 lb)                         |                             |
| Electromagnetic Compliance  | Class (A or B)   | A   | A   |  |                             |
| Warranty Hardware           | Lifetime   | Lifetime  | Lifetime  |  |                             |
| Warranty Power Supply       | Lifetime   | Lifetime  | Lifetime  |  |                             |
| Modules                     | AFM735/ AGM731F/ AGM732F, RPS4000 (RPS x4 switches)            | AFM735/ AGM731F/ AGM732F, RPS4000 (RPS x4 switches) | AFM735/ AGM731F/ AGM732F, RPS4000 (RPS x4 switches) |  |                             |
| ProSUPPORT Maintenance PKGS | OnCall 24x7 1-year<br>OnCall 24x7 3-year<br>OnCall 24x7 5-year | PMB0312<br>PMB0332<br>PMB0352                       | PMB0312<br>PMB0332<br>PMB0352                       |  |                             |



# Fully Managed Switches



|                             |   | Fully Managed, M4100 series (L2+ with static routing), Gigabit |  | Fully Managed, M4200 series (L3 with RIP), Multi-Gigabit                  |
|-----------------------------|---|--|--|---|
| MODEL                       |   | M4100-24G-POE+ (GSM7224P)                                      | M4100-50G-POE+ (GSM7248P)                              | M4200-10MG-POE+ (GSM4210P)  |
| Port Configuration          | 10/100 RJ45 Ports (Auto Uplink)             |  |  |   |
|                             | 10/100/1000 RJ45 Ports (Auto Uplink)        | 24   | 50   | 8 2.5GBase-T  |
|                             | Fiber Ports                                 | 4 SFP  | 4 SFP  | 2 SFP+ (10G)  |
| PoE                         | Power Over Ethernet 802.3af Ports           | 24   | 48   | 8   |
|                             | PoE Plus (30W) 802.3at Ports                | 24   | 48   | 8   |
|                             | Total PoE Budget                            | 380W standard / up to 720W with EPS                            | 380W standard / up to 1,440W with EPS                  | 240W  |
| Scalability                 | # MAC Addresses                             | 16,000   | 16,000   | 16,000  |
|                             | ARP Table - Size of                         | 512  | 512  | 1,024   |
|                             | # Routing Entries                           | 64   | 64   | 32  |
|                             | # ACL Rules                                 | 512  | 512  | 16,384 (ingress, egress)  |
| System Management           | Web Managed/GUI                             | ✓  | ✓  | ✓   |
|                             | Command Line Interface/RS232 Console/Telnet | ✓  | ✓  | ✓   |
|                             | SNMP Version                                | v1, v2c, v3  | v1, v2c, v3  | v1, v2c, v3   |
|                             | RMON Group                                  | 1, 2, 3, 9   | 1, 2, 3, 9   | 1, 2, 3, 9  |
|                             | DHCP (Client/Server/Relay)                  | Client/Server/L3 Relay   | Client/Server/L3 Relay                                 | Client/Server/L3 Relay  |
|                             | Port Mirroring                              | Many-to-One  | Many-to-One  | Many-to-One   |
|                             | IPv6 full set                               | ✓  | ✓  | ✓   |
| Quality of Service          | Number of Priority Queues                   | 8  | 8  | 8   |
|                             | Traffic Prioritization                      | 802.1p; Diffserv; TCP/UDP                                      | 802.1p; Diffserv; TCP/UDP                              | 802.1p; Diffserv; TCP/UDP   |
|                             | Auto Voice VLAN                             | ✓  | ✓  | ✓   |
| Multicast Filtering         | IGMP Snooping Version                       | v1, v2, v3   | v1, v2, v3   | v1, v2, v3  |
|                             | IGMP Snooping Querier                       | ✓  | ✓  | ✓   |
| Performance                 | Bandwidth                                   | 48 Gbps  | 100 Gbps   | 90 Gbps   |
|                             | Buffer Memory                               | 12 MB  | 12 MB  | 16 MB   |
|                             | Jumbo Frames                                | 9K   | 9K   | 9K  |
| Availability                | Spanning Tree 802.1d/RSTP .1w/MSTP .1s      | 802.1d, .1w, .1s   | 802.1d, .1w, .1s                                       | 802.1d, .1w, .1s; PV(R)STP  |
|                             | RPS Redundant Power Supply                  | RPS / EPS  | RPS / EPS  |   |
| Traffic Management          | Number of 802.1q VLAN/Number of VLAN Group  | 1,024/1,024  | 1,024/1,024  | 1,024/1,024   |
|                             | Link Aggregation 802.3ad/LACP               | ✓  | ✓  | ✓   |
|                             | Discovery Protocol LLDP 802.1ab             | ✓  | ✓  | ✓   |
|                             | Rate Limiting                               | ✓  | ✓  | ✓   |
|                             | Broadcast Storm Control                     | ✓  | ✓  | ✓   |
| L3 Routing                  | IPv4 Static Routing                         | ✓  | ✓  | ✓   |
|                             | IPv4 RIPv1/2, OSPFv1/2, VRRP, EMCP          |  |  | RIP v1, v2  |
| Security                    | IEEE 802.1x (RADIUS)                        | ✓  | ✓  | ✓   |
|                             | ACL - Access Control Lists                  | MAC, IP, TCP   | MAC, IP, TCP   | MAC, IP, TCP  |
|                             | SSL/SSH & HTTPS                             | SSL/SSH & HTTPS  | SSL/SSH & HTTPS  | SSL/SSH & HTTPS   |
|                             | Guest VLAN                                  | ✓  | ✓  | ✓   |
|                             | DHCP Snooping/IP Source Guard/ARP Guard     | ✓  | ✓  | ✓   |
|                             | TACACS+                                     | ✓  | ✓  | ✓   |
| Energy Efficiency           | IEEE 802.3az                                | ✓  | ✓  | ✓   |
|                             | Auto Port Power Down                        | ✓  | ✓  | ✓   |
|                             | Dynamic Power Consumption                   | ✓  | ✓  | ✓   |
|                             | Power Consumption                           | 533W   | 555.5W   | 281.6W  |
| Physical                    | Desktop/Rackmount/Click                     | Rackmount  | Rackmount  | Rackmount/Easy Mount  |
|                             | Metal/Plastic Enclosure                     | Metal  | Metal  | Metal   |
|                             | MTBF @ 25°C                                 | 394,619 hrs (45 yrs)   | 239,298 hrs (27 yrs)                                   | 753,324 hrs (86 yrs)  |
|                             | Fan(s)                                      | ✓  | ✓  | ✓   |
|                             | Acoustic Noise @ 25°C                       | 33.8dBA  | 47.7dBA  | 28.9dBA   |
|                             | Width x Depth x Height                      | 440 x 257 x 43 mm (17.3 x 10.1 x 1.7 in)                       | 440 x 310 x 43 mm (17.3 x 12.2 x 1.7 in)               | 440 x 100 x 44 mm (17.3 x 3.9 x 1.7 in)                                   |
| Weight                      | 4.37 kg (9.63 lb)                           | 4.96 kg (10.9 lb)  | 2.05 kg (4.52 lb)                                      |   |
| Electromagnetic Compliance  | Class (A or B)                              | A  | A  | A   |
| Warranty Hardware           | Lifetime                                    | Lifetime   | Lifetime   | Lifetime  |
| Warranty Power Supply       | Lifetime                                    | Lifetime   | Lifetime   | Lifetime  |
| Modules                     |   | AFM735/ AGM731F/AGM732F, RPS4000 (RPS/EPS x4 switches)         | AFM735/ AGM731F/AGM732F, RPS4000 (RPS/EPS x4 switches) | AGM731F/AGM732F; AXC761/3/5/7/10/15/20 AXM761/AXM762/AXM763/AXM764/AXM765 |
| ProSUPPORT Maintenance PKGS | OnCall 24x7 1-year                          | PMB0312  | PMB0313  | PMB0312   |
|                             | OnCall 24x7 3-year                          | PMB0332  | PMB0333  | PMB0332   |
|                             | OnCall 24x7 5-year                          | PMB0352  | PMB0353  | PMB0352   |

# WHAT SETS NETGEAR M4300 APART?

Scaling from 24-port 1G full power PoE+ to 96-port 10G and also 24-port 40G, the M4300 managed switch series is the world's first stackable platform offering edge to core stacking with unrivalled ease of use: 10 Gigabit models can seamlessly stack with 1 Gigabit models. Non-stop forwarding virtual chassis architecture provides advanced High Availability. Dual redundant, modular power supplies equipping full width models contribute to business continuity management for resilient networking. M4300 is also the world's first stackable platform reproducing Spine and Leaf datacenter topologies in the same stack with unrivalled ease of use. No more bottlenecks or downtime!

1G models are capable of PoE+ full provisioning, feature a Layer 3 feature set including static, policy-based and dynamic routing with RIP, VRRP, OSPF and PIM as standard, and are future-proof, SDN-ready. The M4300 is covered under NETGEAR ProSAFE industry-leading Lifetime Hardware Warranty with 90 days of Technical Support via phone and email, Lifetime Technical Support through online chat and Lifetime Next Business Day hardware replacement for utmost peace of mind.

## Discover the 10 reasons why our customers love M4300

- Flexible Server Connections** M4300 gets you covered with plentiful Copper AND Fiber available. No additional module needed.
- Affordable Enterprise-grade Switches** You will feel good about the price you have to pay for M4300s, with no hidden costs.
- World-class Features and Future-ready Network** No license upgrades needed for 802.1x and MAB NAC implementation, Layer 3 (PBR, RIP, VRRP, OSPF and PIM) and SDN-Ready.
- Scales with your Business** Half-Width M4300 models will let you pair a second switch in same U and allows you to easily add capacity to scale with your business.
- Edge to Core Stacking** M4300 is the world's first stackable platform reproducing Spine and Leaf datacenter topologies in the SAME STACK with unrivalled ease of use. No more bottlenecks or downtime!
- Full Speed Ahead** M4300 will scale up to astronomic performance needs with up to 128K MAC table, 2K ARP/NDP and 1920 Gbps of switching and routing capacity.
- Absolutely NO downtime** M4300 Nonstop Forwarding (NSF) absolutely provides increased network service availability, eliminating downtimes, for a fully resilient network.
- Convergent Access Layer** M4300 ring stacking reduces the number of logical units to manage with one easy Web interface while bringing full network redundancy in aggregation to the core, and simplifies PoE deployment at the edge.
- HA Best Practices** M4300 two-unit horizontal stacking is cost effective yet highly effective for HA with link aggregation (L2/L3/L4 LACP), load balancing and nonstop forwarding failover, for no single point of failure across your virtualized servers.
- Full power redundancy** M4300 positively simplified Redundant Power Supply, just insert one more, hot swap (and cost effective) PSU in full width models for mission-critical operations.

# Fully Managed Switches

Fully Managed, M4300 series (L3), Gigabit and 10-Gigabit



| MODEL                                   | M4300-28G (GSM4328S)  | M4300-52G (GSM4352S)                       |                           |
|---|---|--|---------------------------|
| Port Configuration                      | 10/100/1000 RJ45 Ports (Auto Uplink)                                      | 24 / 2 10GBase-T                           |                           |
|   | Fiber Ports   | 2 SFP+ (10G)                               |                           |
|   | 10Gig Module Bays   | 2 SFP+ (10G)                               |                           |
| PoE                                     | Power Over Ethernet 802.3af Ports   | 24   |                           |
|   | PoE Plus (30W) 802.3at Ports  | 24   |                           |
|   | Total PoE Budget  | 480W (PA)/630W (PB)                        |                           |
| Stacking                                | Number of Dedicated Stacking Ports  | Up to 4 10G ports                          |                           |
|   | Stacking Bandwidth  | 80 Gbps                                    |                           |
|   | Stacking (maximum capacity)   | 8 switches                                 |                           |
|   | Stacking Compatibility  | M4300 series                               |                           |
| Scalability                             | # MAC Addresses   | 16,000                                     |                           |
|   | ARP Table - Size of   | 2,048                                      |                           |
|   | # Routing Entries   | 12,000                                     |                           |
|   | # ACL Rules   | 16,384 (ingress, egress)                   |                           |
| System Management                       | Single IP Management  | ✓  |                           |
|   | Web Managed/GUI   | ✓  |                           |
|   | Command Line Interface/RS232 Console/Telnet                               | ✓  |                           |
|   | SNMP Version  | v1, v2c, v3                                |                           |
|   | RMON Group  | 1, 2, 3, 9                                 |                           |
|   | DHCP (Client/Server/Relay)  | Client/Server/L3 Relay                     |                           |
|   | Port Mirroring  | Many-to-One; RSPAN                         |                           |
|   | IPv6 full set   | ✓  |                           |
|   | Quality of Service  | Number of Priority Queues                  | 8                         |
|   |   | Traffic Prioritization                     | 802.1p; Diffserv; TCP/UDP |
| Auto Voice VLAN                         |   | ✓  |                           |
| Multicast Filtering                     | IGMP Snooping Version   | v1, v2, v3                                 |                           |
|   | IGMP Snooping Querier   | ✓  |                           |
| Performance                             | Bandwidth   | 128 Gbps                                   |                           |
|   | Buffer Memory   | 16 MB                                      |                           |
|   | Jumbo Frames  | 9K   |                           |
| Availability                            | Spanning Tree 802.1d/RSTP .1w/MSTP .1s                                    | 802.1d, .1w, .1s; PV(R)STP                 |                           |
|   | RPS Redundant Power Supply  | Second optional APS150W                    |                           |
|   | Modular Power Supply  | APS150W                                    |                           |
| Traffic Management                      | Number of 802.1q VLAN/Number of VLAN Group                                | 4,093/4,093                                |                           |
|   | Link Aggregation 802.3ad/LACP   | ✓  |                           |
|   | Discovery Protocol LLDP 802.1ab   | ✓  |                           |
|   | Rate Limiting   | ✓  |                           |
|   | Broadcast Storm Control   | ✓  |                           |
|   | L3 Routing  | IPv4 Static Routing                        | ✓                         |
| IPv4 RIPv1/2, OSPFv1/2, VRRP, EMCP      |   | ✓  |                           |
| IPv6 Static Routing, IPv6 OSPFv3        |   | ✓  |                           |
| IPv4 / IPv6 Multicast Routing PIM-SM/DM |   | ✓  |                           |
| Security                                | IEEE 802.1x (RADIUS)  | ✓  |                           |
|   | ACL - Access Control Lists  | MAC, IP, TCP                               |                           |
|   | SSL/SSH & HTTPS   | SSL/SSH & HTTPS                            |                           |
|   | Guest VLAN  | ✓  |                           |
|   | DHCP Snooping/IP Source Guard/ARP Guard                                   | ✓  |                           |
|   | TACACS+   | ✓  |                           |
| Energy Efficiency                       | IEEE 802.3az  | ✓  |                           |
|   | Auto Port Power Down  | ✓  |                           |
|   | Dynamic Power Consumption   | ✓  |                           |
|   | Power Consumption   | 34.5W                                      |                           |
| Physical                                | Desktop/Rackmount/Click   | Rackmount                                  |                           |
|   | Metal/Plastic Enclosure   | Metal                                      |                           |
|   | MTBF @ 25°C   | 1,328,968 hrs                              |                           |
|   | Fan(s)  | Front to back                              |                           |
|   | Acoustic Noise @ 25°C   | 30.3dBA                                    |                           |
|   | Width x Depth x Height  | 440 x 310 x 44 mm (17.32 x 12.2 x 1.73 in) |                           |
|   | Weight  | 4.51 kg (9.94 lb)                          |                           |
| Electromagnetic Compliance              | Class (A or B)  |  |                           |
| Warranty Hardware                       | Lifetime  |  |                           |
| Warranty Power Supply                   | Lifetime  |  |                           |
| Modules                                 | AGM731F/AGM732F; AXC761/3/5/7/10/15/20 AXM761/AXM762/AXM763/AXM764/AXM765 |  |                           |
| ProSUPPORT Maintenance PKGS             | OnCall 24x7 1-year  | PMB0313                                    |                           |
|   | OnCall 24x7 3-year  | PMB0333                                    |                           |
|   | OnCall 24x7 5-year  | PMB0353                                    |                           |

# Fully Managed Switches

Fully Managed, M4300 series (L3), Gigabit and 10-Gigabit



| MODEL                                   | M4300-28G-POE+ (GSM4328PA OR GSM4328PB)                                   | M4300-52G-POE+ (GSM4352PA OR GSM4352PB)                    |                           |
|---|---|--|---------------------------|
| Port Configuration                      | 10/100/1000 RJ45 Ports (Auto Uplink)                                      | 24 / 2 10GBase-T   |                           |
|   | Fiber Ports   | 2 SFP+ (10G)   |                           |
|   | 10Gig Module Bays   | 2 SFP+ (10G)   |                           |
| PoE                                     | Power Over Ethernet 802.3af Ports   | 24   |                           |
|   | PoE Plus (30W) 802.3at Ports  | 24   |                           |
|   | Total PoE Budget  | 480W (PA)/630W (PB) Up to 720W with second PSU             |                           |
| Stacking                                | Number of Dedicated Stacking Ports  | Up to 4 10G ports  |                           |
|   | Stacking Bandwidth  | 80 Gbps  |                           |
|   | Stacking (maximum capacity)   | 8 switches   |                           |
|   | Stacking Compatibility  | M4300 series   |                           |
| Scalability                             | # MAC Addresses   | 16,000   |                           |
|   | ARP Table - Size of   | 2,048  |                           |
|   | # Routing Entries   | 12,000   |                           |
|   | # ACL Rules   | 16,384 (ingress, egress)                                   |                           |
| System Management                       | Single IP Management  | ✓  |                           |
|   | Web Managed/GUI   | ✓  |                           |
|   | Command Line Interface/RS232 Console/Telnet                               | ✓  |                           |
|   | SNMP Version  | v1, v2c, v3  |                           |
|   | RMON Group  | 1, 2, 3, 9   |                           |
|   | DHCP (Client/Server/Relay)  | Client/Server/L3 Relay                                     |                           |
|   | Port Mirroring  | Many-to-One; RSPAN   |                           |
|   | IPv6 full set   | ✓  |                           |
|   | Quality of Service  | Number of Priority Queues                                  | 8                         |
|   |   | Traffic Prioritization                                     | 802.1p; Diffserv; TCP/UDP |
| Auto Voice VLAN                         |   | ✓  |                           |
| Multicast Filtering                     | IGMP Snooping Version   | v1, v2, v3   |                           |
|   | IGMP Snooping Querier   | ✓  |                           |
| Performance                             | Bandwidth   | 128 Gbps   |                           |
|   | Buffer Memory   | 16 MB  |                           |
|   | Jumbo Frames  | 9K   |                           |
| Availability                            | Spanning Tree 802.1d/RSTP .1w/MSTP .1s                                    | 802.1d, .1w, .1s; PV(R)STP                                 |                           |
|   | RPS Redundant Power Supply  | Second optional APS550W (PA) Second optional APS1000W (PB) |                           |
|   | Modular Power Supply  | APS550W (PA) or APS1000W (PB)                              |                           |
| Traffic Management                      | Number of 802.1q VLAN/Number of VLAN Group                                | 4,093/4,093  |                           |
|   | Link Aggregation 802.3ad/LACP   | ✓  |                           |
|   | Discovery Protocol LLDP 802.1ab   | ✓  |                           |
|   | Rate Limiting   | ✓  |                           |
|   | Broadcast Storm Control   | ✓  |                           |
|   | L3 Routing  | IPv4 Static Routing  | ✓                         |
| IPv4 RIPv1/2, OSPFv1/2, VRRP, EMCP      |   | ✓  |                           |
| IPv6 Static Routing, IPv6 OSPFv3        |   | ✓  |                           |
| IPv4 / IPv6 Multicast Routing PIM-SM/DM |   | ✓  |                           |
| Security                                | IEEE 802.1x (RADIUS)  | ✓  |                           |
|   | ACL - Access Control Lists  | MAC, IP, TCP   |                           |
|   | SSL/SSH & HTTPS   | SSL/SSH & HTTPS  |                           |
|   | Guest VLAN  | ✓  |                           |
|   | DHCP Snooping/IP Source Guard/ARP Guard                                   | ✓  |                           |
|   | TACACS+   | ✓  |                           |
| Energy Efficiency                       | IEEE 802.3az  | ✓  |                           |
|   | Auto Port Power Down  | ✓  |                           |
|   | Dynamic Power Consumption   | ✓  |                           |
|   | Power Consumption   | 577W (PA 1 PSU) 833.2W (PB 1 PSU)                          |                           |
| Physical                                | Desktop/Rackmount/Click   | Rackmount  |                           |
|   | Metal/Plastic Enclosure   | Metal  |                           |
|   | MTBF @ 25°C   | 1,189,685 hrs  |                           |
|   | Fan(s)  | Front to back  |                           |
|   | Acoustic Noise @ 25°C   | 39.8dBA  |                           |
|   | Width x Depth x Height  | 440 x 310 x 44 mm (17.32 x 12.2 x 1.73 in)                 |                           |
|   | Weight  | 5.09 kg (11.21 lb)   |                           |
| Electromagnetic Compliance              | Class (A or B)  |  |                           |
| Warranty Hardware                       | Lifetime  |  |                           |
| Warranty Power Supply                   | Lifetime  |  |                           |
| Modules                                 | AGM731F/AGM732F; AXC761/3/5/7/10/15/20 AXM761/AXM762/AXM763/AXM764/AXM765 |  |                           |
| ProSUPPORT Maintenance PKGS             | OnCall 24x7 1-year  | PMB0313  |                           |
|   | OnCall 24x7 3-year  | PMB0333  |                           |
|   | OnCall 24x7 5-year  | PMB0353  |                           |

# Fully Managed Switches

Fully Managed, M4300 series (L3), Gigabit and 10-Gigabit



| MODEL                       | M4300-8X8F (XSM4316S)                       | M4300-12X12F (XSM4324S)     | M4300-24X (XSM4324CS)       | M4300-24X24F (XSM4348S)     |
|-----------------------------|---|-----------------------------|-----------------------------|-----------------------------|
| Port Configuration          | 10/100/1000 RJ45 Ports (Auto Uplink)        | 8 10GBase-T                 | 12 10GBase-T                | 24 10GBase-T                |
|                             | Fiber Ports                                 | 8 SFP+ (10G)                | 12 SFP+ (10G)               | 4 combo SFP+ (10G)          |
|                             | 10Gig Module Bays                           |                             |                             | 24 SFP+ (10G)               |
| PoE                         | Power Over Ethernet 802.3af Ports           |                             |                             |                             |
|                             | PoE Plus (30W) 802.3at Ports                |                             |                             |                             |
|                             | Total PoE Budget                            |                             |                             |                             |
| Stacking                    | Number of Dedicated Stacking Ports          | Up to 16 10G ports          | Up to 16 10G ports          | Up to 16 10G ports          |
|                             | Stacking Bandwidth                          | 320 Gbps                    | 320 Gbps                    | 320 Gbps                    |
|                             | Stacking (maximum capacity)                 | 8 switches                  | 8 switches                  | 8 switches                  |
| Scalability                 | Stacking Compatibility                      | M4300 series                | M4300 series                | M4300 series                |
|                             | # MAC Addresses                             | 16,000                      | 16,000                      | 16,000                      |
|                             | ARP Table - Size of                         | 2,048                       | 2,048                       | 2,048                       |
| System Management           | Web Managed/GUI                             | ✓                           | ✓                           | ✓                           |
|                             | Command Line Interface/RS232 Console/Telnet | ✓                           | ✓                           | ✓                           |
|                             | SNMP Version                                | v1, v2c, v3                 | v1, v2c, v3                 | v1, v2c, v3                 |
| Quality of Service          | Traffic Prioritization                      | 802.1p ; Diffserv ; TCP/UDP | 802.1p ; Diffserv ; TCP/UDP | 802.1p ; Diffserv ; TCP/UDP |
|                             | Auto Voice VLAN                             | ✓                           | ✓                           | ✓                           |
|                             | IGMP Snooping Version                       | v1, v2, v3                  | v1, v2, v3                  | v1, v2, v3                  |
| Performance                 | Bandwidth                                   | 320 Gbps                    | 480 Gbps                    | 960 Gbps                    |
|                             | Buffer Memory                               | 16 MB                       | 32 MB                       | 56 MB                       |
|                             | Jumbo Frames                                | 9K                          | 9K                          | 9K                          |
| Availability                | Spanning Tree 802.1d/RSTP .1w/MSTP .1s      | 802.1d, .1w, .1s; PV(R)STP  | 802.1d, .1w, .1s; PV(R)STP  | 802.1d, .1w, .1s; PV(R)STP  |
|                             | RPS Redundant Power Supply                  |                             |                             |                             |
|                             | Modular Power Supply                        | APS250W                     | APS250W                     | APS250W                     |
| Traffic Management          | Number of 802.1q VLAN/Number of VLAN Group  | 4,093/4,093                 | 4,093/4,093                 | 4,093 / 4,093               |
|                             | Link Aggregation 802.3ad/LACP               | ✓                           | ✓                           | ✓                           |
|                             | Discovery Protocol LLDP 802.1ab             | ✓                           | ✓                           | ✓                           |
| L3 Routing                  | IPv4 Static Routing                         | ✓                           | ✓                           | ✓                           |
|                             | IPv4 RIPv1/2, OSPFv1/2, VRRP, EMCP          | ✓                           | ✓                           | ✓                           |
|                             | IPv6 Static Routing, IPv6 OSPFv3            | ✓                           | ✓                           | ✓                           |
| Security                    | IEEE 802.1x (RADIUS)                        | ✓                           | ✓                           | ✓                           |
|                             | ACL - Access Control Lists                  | MAC, IP, TCP                | MAC, IP, TCP                | MAC, IP, TCP                |
|                             | SSL/SSH & HTTPS                             | ✓                           | ✓                           | ✓                           |
| Energy Efficiency           | Power Consumption                           | 49W                         | 97W                         | 125W                        |
|                             | Auto Port Power Down                        | ✓                           | ✓                           | ✓                           |
|                             | Dynamic Power Consumption                   | ✓                           | ✓                           | ✓                           |
| Physical                    | Desktop/Rackmount/Click                     | Rackmount                   | Rackmount                   | Rackmount                   |
|                             | MTBF @ 25°C                                 | 196,120 hrs                 | 192,898 hrs                 | 247,437 hrs                 |
|                             | Acoustic Noise @ 25°C                       | 36.9dBA                     | 36.9dBA                     | 37dBA                       |
| Electromagnetic Compliance  | Class (A or B)                              | A                           | A                           | A                           |
|                             | Warranty Hardware                           | Lifetime                    | Lifetime                    | Lifetime                    |
|                             | Warranty Power Supply                       | Lifetime                    | Lifetime                    | Lifetime                    |
| ProSUPPORT Maintenance PKGS | OnCall 24x7 1-year                          | PMB0313                     | PMB0314                     | PMB0314                     |
|                             | OnCall 24x7 3-year                          | PMB0333                     | PMB0334                     | PMB0334                     |
|                             | OnCall 24x7 5-year                          | PMB0353                     | PMB0354                     | PMB0354                     |

# Fully Managed Switches

Fully Managed, M4300 series (L3), Gigabit and 10-Gigabit

Fully Managed, M5300 series (L3), Gigabit and 10-Gigabit

Fully Managed, M6100 series (L3), Gigabit and 10-Gigabit




| MODEL                       | M4300-48X (XSM4348CS)                       | M4300-96X (XSM4396K0 OR K1) | M5300-28GF3 (GSM7328FS)             | M6100 SERIES (XCM8900)        |
|-----------------------------|---|-----------------------------|-------------------------------------|-------------------------------|
| Port Configuration          | 10/100/1000 RJ45 Ports (Auto Uplink)        | 48 10GBase-T                | Up to 96 10GBase-T                  | Up to 144 / 72 10GBase-T      |
|                             | Fiber Ports                                 | 4 combo SFP+ (10G)          | Up to 96 SFP+ / 24 QSFP+            | Up to 120 SFP / 48 SFP+       |
|                             | 10Gig Module Bays                           |                             |                                     | 2 I/O 10G bays                |
| PoE                         | Power Over Ethernet 802.3af Ports           |                             | Up to 48                            | Up to 144                     |
|                             | PoE Plus (30W) 802.3at Ports                |                             | Up to 48                            | Up to 144, including UPOE 60W |
|                             | Total PoE Budget                            |                             | Up to 1,440W                        | Up to 6,000W                  |
| Stacking                    | Number of Dedicated Stacking Ports          |                             | Up to 16 10G or 40G ports           | 3-slot Chassis                |
|                             | Stacking Bandwidth                          | 320 Gbps                    | 320 Gbps                            | 48 Gbps AX742 I/O bays        |
|                             | Stacking (maximum capacity)                 | 8 switches                  | 8 switches                          | 8 switches, 384 ports         |
| Scalability                 | Stacking Compatibility                      | M4300 series                | M4300 series                        | Hitless Failover              |
|                             | # MAC Addresses                             | 128,000                     | 256,000                             | M5300, GSM72xxPS, GSM73xxSv2  |
|                             | ARP Table - Size of                         | 8,192                       | 8,192                               | 32,000                        |
| System Management           | Web Managed/GUI                             | ✓                           | ✓                                   | ✓                             |
|                             | Command Line Interface/RS232 Console/Telnet | ✓                           | ✓                                   | ✓                             |
|                             | SNMP Version                                | v1, v2c, v3                 | v1, v2c, v3                         | v1, v2c, v3                   |
| Quality of Service          | Traffic Prioritization                      | 802.1p; Diffserv; TCP/UDP   | 802.1p; Diffserv; TCP/UDP           | 802.1p; Diffserv; TCP/UDP     |
|                             | Auto Voice VLAN                             | ✓                           | ✓                                   | ✓                             |
|                             | IGMP Snooping Version                       | v1, v2, v3                  | v1, v2, v3                          | v1, v2, v3                    |
| Performance                 | Bandwidth                                   | 960 Gbps                    | 1.920 Tbps                          | 144 Gbps                      |
|                             | Buffer Memory                               | 56 MB                       | 96 MB                               | 16 MB                         |
|                             | Jumbo Frames                                | 9K                          | 9K                                  | 12K                           |
| Availability                | Spanning Tree 802.1d/RSTP .1w/MSTP .1s      | 802.1d, .1w, .1s; PV(R)STP  | 802.1d, .1w, .1s; PV(R)STP          | 802.1d, .1w, .1s; PV(R)STP    |
|                             | RPS Redundant Power Supply                  | Second optional APS250W     | Second optional APS600W or APS1200W | RPS                           |
|                             | Modular Power Supply                        | APS250W                     | APS600W or APS1200W                 | APS135W                       |
| Traffic Management          | Number of 802.1q VLAN/Number of VLAN Group  | 4,093 / 4,093               | 4,093 / 4,093                       | 4,093 / 4,093                 |
|                             | Link Aggregation 802.3ad/LACP               | ✓                           | ✓                                   | ✓                             |
|                             | Discovery Protocol LLDP 802.1ab             | ✓                           | ✓                                   | ✓                             |
| L3 Routing                  | IPv4 Static Routing                         | ✓                           | ✓                                   | ✓                             |
|                             | IPv4 RIPv1/2, OSPFv1/2, VRRP, EMCP          | ✓                           | ✓                                   | ✓                             |
|                             | IPv6 Static Routing, IPv6 OSPFv3            | ✓                           | ✓                                   | ✓                             |
| Security                    | IEEE 802.1x (RADIUS)                        | ✓                           | ✓                                   | ✓                             |
|                             | ACL - Access Control Lists                  | MAC, IP, TCP                | MAC, IP, TCP                        | MAC, IP, TCP                  |
|                             | SSL/SSH & HTTPS                             | ✓                           | ✓                                   | ✓                             |
| Energy Efficiency           | Power Consumption                           | 237.2W                      | 566W (without PoE)                  | 55W                           |
|                             | Auto Port Power Down                        | ✓                           | ✓                                   | ✓                             |
|                             | Dynamic Power Consumption                   | ✓                           | ✓                                   | ✓                             |
| Physical                    | Desktop/Rackmount/Click                     | R                           | R                                   | R                             |
|                             | MTBF @ 25°C                                 | 249,393 hrs                 | 519,784 hrs                         | 539,481 hrs                   |
|                             | Acoustic Noise @ 25°C                       | 40.3dBA                     | 35.8dBA (no PoE); 66.8dBA (max PoE) | 35.6dBA                       |
| Electromagnetic Compliance  | Class (A or B)                              | A                           | A                                   | A                             |
|                             | Warranty Hardware                           | Lifetime                    | Lifetime                            | Lifetime                      |
|                             | Warranty Power Supply                       | Lifetime                    | Lifetime                            | Lifetime                      |
| ProSUPPORT Maintenance PKGS | OnCall 24x7 1-year                          | PMB0314                     | PMB0314                             | PMB0314                       |
|                             | OnCall 24x7 3-year                          | PMB0334                     | PMB0334                             | PMB0334                       |
|                             | OnCall 24x7 5-year                          | PMB0354                     | PMB0354                             | PMB0354                       |



## Modules and Accessories for Switches


For use with managed switches

**Gigabit Fiber Modules**




| MODEL                | AGM731F  | AGM732F   | AGM734  | AFM735   |
|----------------------|--|---|---|--|
| Product Description  | SFP Transceiver 1000BASE-SX  | SFP Transceiver 1000BASE-LX   | SFP Transceiver 1000BASE-T  | SFP Transceiver 1000BASE-FX                              |
| Distance             | Up to 550m   | Up to 10km  | Up to 100m  | Up to 2km  |
| Cabling Type         | IEEE 802.3z 1000BASE-SX  | IEEE 802.3z 1000BASE-LX   | 1000BASE-T  | IEEE 802.3-2002 1000BASE-FX                              |
| Connector            | LC duplex  | LC duplex   | RJ45  | LC duplex  |
| Interface (Bus) Type | Small Form Factor Pluggable (SFP)  | Small Form Factor Pluggable (SFP)   | Small Form Factor Pluggable (SFP)   | Small Form Factor Pluggable (SFP)                        |
| Form Factor          | Plug-in module   | Plug-in module  | Plug-in module  | Plug-in module   |
| Data Transfer Rate   | 1 Gbps   | 1 Gbps  | 1 Gbps  | 100 Mbps   |
| Hot-Swappable        | ✓  | ✓   | ✓   | ✓  |
| Fiber Cable Support  | 50µm OM4 multimode (1000m); 50µm OM3 multimode (550m); 62.5µm OM1/OM2 multimode (275m) | 9µm single mode (10km)  | Copper CAT5E or better (1000 Mbps Full Duplex only)                               | 50µm/62.5µm OM1/OM2/OM3/OM4 multimode (2km)              |
| Switch Compatibility | Select Smart Managed (Plus, Pro), Insight Smart Cloud, and Fully Managed Switches      | Select Smart Managed (Plus, Pro), Insight Smart Cloud, and Fully Managed Switches | Select Smart Managed (Plus, Pro), Insight Smart Cloud, and Fully Managed Switches | Select Smart Managed (Plus, Pro), Fully Managed Switches |
| Warranty             | 5 years  | 5 years   | 5 years   | 5 years  |

**10-Gigabit Copper and Fiber Modules**



| MODEL                | AX742                             | AX743   | AX745  | AXM761   | AXM762   |
|----------------------|-----------------------------------|---|--|--|--|
| Product Description  | 24 / 48 Gigabit Stacking Kit      | I/O Module SFP+                               | I/O Module 10GBase-T   | SFP+ Transceiver 10GBase-SR  | SFP+ Transceiver 10GBase-LR  |
| Distance             | N/A                               | N/A   | Up to 100m   | Up to 500m   | Up to 10km   |
| Cabling Type         | CX4 Cable                         | Fiber or DAC                                  | CAT5/5E: GIGABIT<br>CAT6: 10GBase-T 30m<br>CAT6A/7: 10GBase-T 100m | 10GBase-SR "Short Reach"   | 10GBase-LR "Long Reach"  |
| Connector            | CX4                               | SFP+  | One RJ45 connection  | LC duplex  | LC duplex  |
| Interface (Bus) Type | 24/48 Gigabit High-speed Stacking | 10-Gigabit Small Form Factor Pluggable (SFP+) | 10-Gigabit 10GBase-T   | 10-Gigabit Small Form Factor Pluggable (SFP+)  | 10-Gigabit Small Form Factor Pluggable (SFP+)  |
| Form Factor          | Plug-in module                    | I/O Module                                    | I/O Module   | Plug-in SFP+   | Plug-in SFP+   |
| Data Transfer Rate   | 12 Gbps Full-duplex (24 Gbps)     | 10 Gbps                                       | 10 Gbps  | 10 Gbps  | 10 Gbps  |
| Hot-Swappable        | ✓                                 | ✓   | ✓  | ✓  | ✓  |
| Fiber Cable Support  | NA                                | Depends on SFP+ optics                        | NA   | 50µm OM4 multimode (500m); 50µm OM3 multimode (300m); 62.5µm OM1/OM2 multimode (33m)         | 9µm single mode (10km)   |
| Switch Compatibility | M5300 series (rear bays)          | M5300 series (rear bays)                      | M5300 series (rear bays)   | Select Unmanaged, Smart Managed (Plus, Pro), Insight Smart Cloud, and Fully Managed Switches | Select Unmanaged, Smart Managed (Plus, Pro), Insight Smart Cloud, and Fully Managed Switches |
| Warranty             | 5 years                           | 5 years                                       | 5 years  | 5 years  | 5 years  |

**10-Gigabit Copper and Fiber Modules**




| MODEL                | AXM763   | AXM764   | AXM765   | AXC761   | AXC763   |
|----------------------|--|--|--|--|--|
| Product Description  | SFP+ Transceiver 10GBase-LRM   | SFP+ Transceiver 10GBase-LR Lite   | SFP+ Transceiver 10GBase-T   | Passive SFP+ DAC 1m  | Passive SFP+ DAC 3m  |
| Distance             | Up to 260m   | Up to 2km  | Up to 30m  | 1m   | 3m   |
| Cabling Type         | 10GBase-LRM Long Reach Multimode   | 10GBase-LR "Lite"  | 10GBase-T  | Direct Attach Cable  | Direct Attach Cable  |
| Connector            | LC duplex  | LC duplex  | RJ45   | SFP+   | SFP+   |
| Interface (Bus) Type | 10-Gigabit Small Form Factor Pluggable (SFP+)  | 10-Gigabit Small Form Factor Pluggable (SFP+)  | 10 Gigabit Small Form Factor Pluggable (SFP+)  | 10-Gigabit Small Form Factor Pluggable (SFP+)  | 10-Gigabit Small Form Factor Pluggable (SFP+)  |
| Form Factor          | Plug-in SFP+   | Plug-in SFP+   | Plug-in SFP+   | SFP+ Cable   | SFP+ Cable   |
| Data Transfer Rate   | 10 Gbps  | 10 Gbps  | 10 Gbps  | 10 Gbps  | 10 Gbps  |
| Hot-Swappable        | ✓  | ✓  | ✓  | ✓  | ✓  |
| Fiber Cable Support  | 62.5µm OM1/OM2 multimode (220m); 50µm OM3/OM4 multimode (260m)                               | 9µm single mode (2km)  | CAT6a / CAT7 (Copper)  | NA   | NA   |
| Switch Compatibility | Select Unmanaged, Smart Managed (Plus, Pro), Insight Smart Cloud, and Fully Managed Switches | Select Unmanaged, Smart Managed (Plus, Pro), Insight Smart Cloud, and Fully Managed Switches | Select Unmanaged, Smart Managed (Plus, Pro), Insight Smart Cloud, and Fully Managed Switches | Select Unmanaged, Smart Managed (Plus, Pro), Insight Smart Cloud, and Fully Managed Switches | Select Unmanaged, Smart Managed (Plus, Pro), Insight Smart Cloud, and Fully Managed Switches |
| Warranty             | 5 years  | 5 years  | 5 years  | 5 years  | 5 years  |

## Modules and Accessories for Switches

For use with managed switches

**10-Gigabit Copper and Fiber Modules**



| MODEL                | AXC765  | AXC767  | AXC7610   | AXC7615   | AXC7620   |
|----------------------|---|---|---|---|---|
| Product Description  | Active SFP+ DAC 5m  | Active SFP+ DAC 7m  | Active SFP+ DAC 10m   | Active Optical SFP+ DAC 15m   | Active Optical SFP+ DAC 20m   |
| Distance             | 5m  | 7m  | 10m   | 15m   | 20m   |
| Cabling Type         | Direct Attach Cable   | Direct Attach Cable   | Direct Attach Cable   | Direct Attach Cable   | Direct Attach Cable   |
| Connector            | SFP+  | SFP+  | SFP+  | SFP+  | SFP+  |
| Interface (Bus) Type | 10 Gigabit Small Form Factor Pluggable (SFP+)                       | 10 Gigabit Small Form Factor Pluggable (SFP+)                       | 10 Gigabit Small Form Factor Pluggable (SFP+)                       | 10 Gigabit Small Form Factor Pluggable (SFP+)                       | 10 Gigabit Small Form Factor Pluggable (SFP+)                       |
| Form Factor          | SFP+ Cable  | SFP+ Cable  | SFP+ Cable  | SFP+ Cable  | SFP+ Cable  |
| Data Transfer Rate   | 10 Gbps   | 10 Gbps   | 10 Gbps   | 10 Gbps   | 10 Gbps   |
| Hot-Swappable        | ✓   | ✓   | ✓   | ✓   | ✓   |
| Fiber Cable Support  | NA  | NA  | NA  | NA  | NA  |
| Switch Compatibility | Select Unmanaged, Smart Managed (Plus, Pro), Fully Managed Switches | Select Unmanaged, Smart Managed (Plus, Pro), Fully Managed Switches | Select Unmanaged, Smart Managed (Plus, Pro), Fully Managed Switches | Select Unmanaged, Smart Managed (Plus, Pro), Fully Managed Switches | Select Unmanaged, Smart Managed (Plus, Pro), Fully Managed Switches |
| Warranty             | 5 year  | 5 year  | 5 year  | 5 year  | 5 year  |

**Modular Power Supply**



| MODEL                | APS135W                         | APS150W                          | APS250W                       | APS550W                       |
|----------------------|---------------------------------|----------------------------------|-------------------------------|-------------------------------|
| Product Description  | 135-Watt Modular Power Supply   | 150-Watt Modular Power Supply    | 250-Watt Modular Power Supply | 550-Watt Modular Power Supply |
| Hot-Swappable        | When used with an RPS           | When 2 PSUs                      | When 2 PSUs                   | When 2 PSUs                   |
| Switch Compatibility | M5300 series (non-PoE versions) | M4300 series (1G non-PoE models) | M4300 series (10G models)     | M4300 series (PoE PA models)  |
| Warranty             | 5 years                         | 5 years                          | 5 years                       | 5 years                       |

**Modular Power Supply**



| MODEL                | APS600W                       | APS1000W                                       | APS1200W                        | RPS4000v2  |
|----------------------|-------------------------------|--|---------------------------------|--|
| Product Description  | 600-Watt Modular Power Supply | 1,000-Watt Modular Power Supply                | 1,200-Watt Modular Power Supply | Redundant/External Power Supply (RPS/EPS for up to 4 switches) |
| Hot-Swappable        | When 2 PSUs                   | Yes  | When 2 PSUs                     | Yes  |
| Switch Compatibility | M4300-96X                     | RPS4000v2, M4300 series (PoE PB models), M6100 | M4300-96X                       | S3300 (PoE), M4100, M4300 (48p PoE models), M5300, M6100       |
| Warranty             | 5 years                       | 5 years  | 5 years                         | 5 years  |

## SOLUTIONS OVERVIEW



Office WiFi

### Basic WiFi - One Room Solution

Powerful, plug-and-play WiFi

- Simple, affordable & convenient WiFi
- Instant installation (plug-and-play)
- Great performance & compact size
- 10 connections per access point

### Advanced WiFi - Multi-Room Solution

Blazing fast, high coverage DIY WiFi

- Wire-free installation (desk, wall/ceiling mount)
- Separate and secure access for guests & employees
- Expandable coverage with indoor and/or outdoor satellites\*
- 40 connections per access point

\*Each unit is 2,500 sq. ft. of coverage up to 10,000 sq.ft.

Tri-band  
Mesh WiFi



Smart Cloud  
Managed WiFi

### Premium WiFi - Multi-Floor Solution

Full coverage, cloud management WiFi

- Easy wired installation (PoE or power adapter)
- Remote management with NETGEAR Insight
- Plug-and-play cloud WiFi & seamless roaming
- 100 connections per access point

### Ultimate WiFi - Multi-Location Solution

Complete coverage, centralized management

- Multi-connections simultaneously
- Central management & configuration
- Heat maps for optimized coverage
- 200 connections per access point

Controller  
Managed WiFi

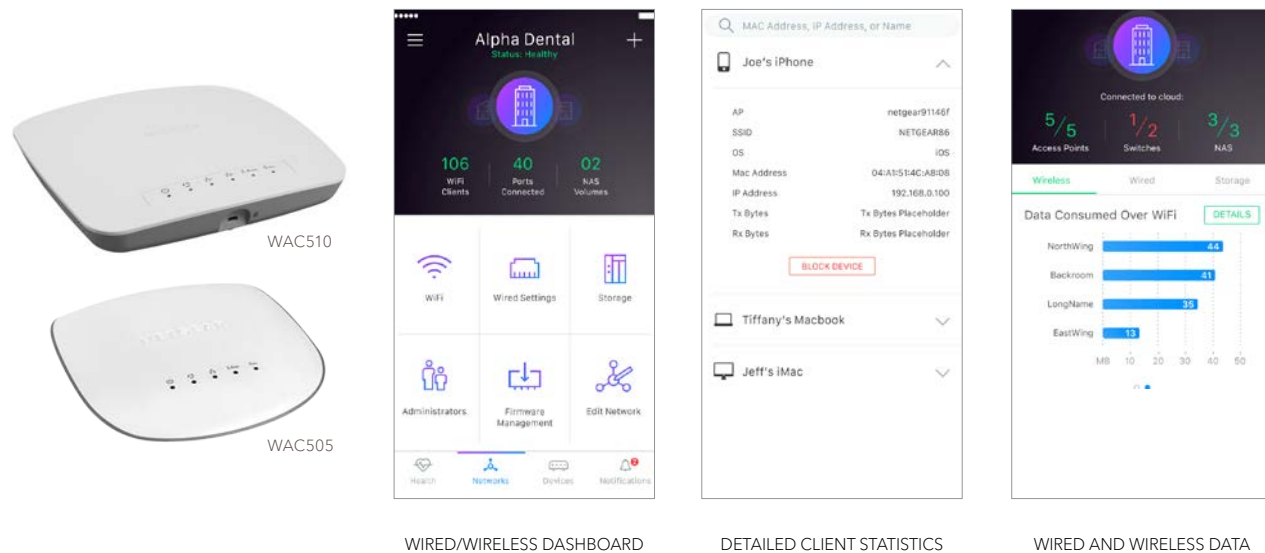


# WIRELESS

## 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 to 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 NETGEAR Insight app or Cloud Portal or the Orbi Pro local 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, Wallmount, ceiling-mount

Ideal for retail, shops, small businesses and offices







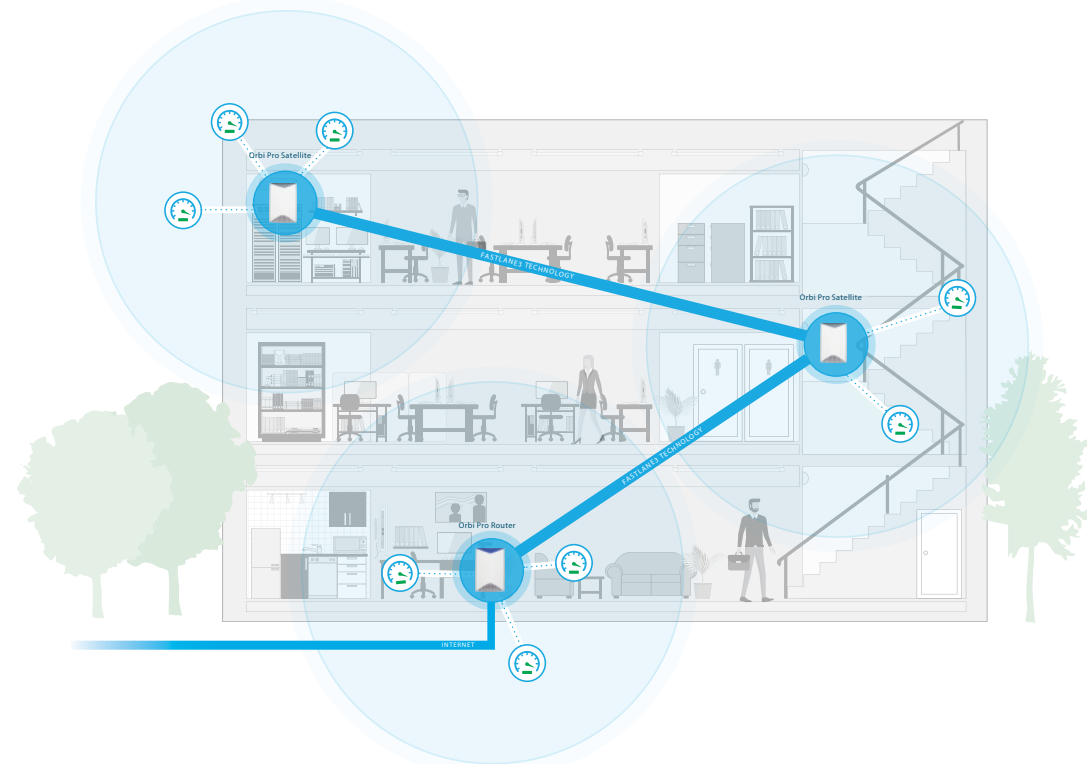
## BRING YOUR BUSINESS WIFI TO THE OUTDOORS

### 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.

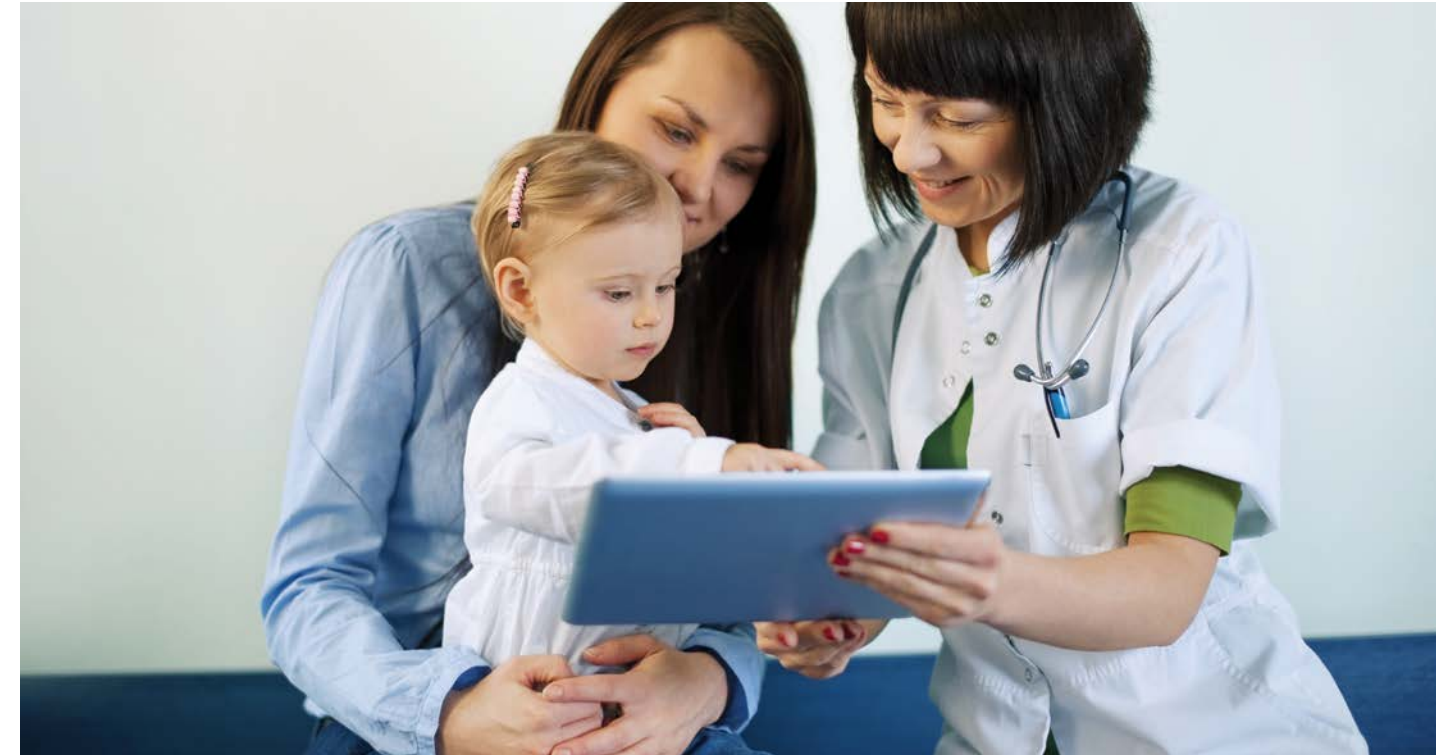
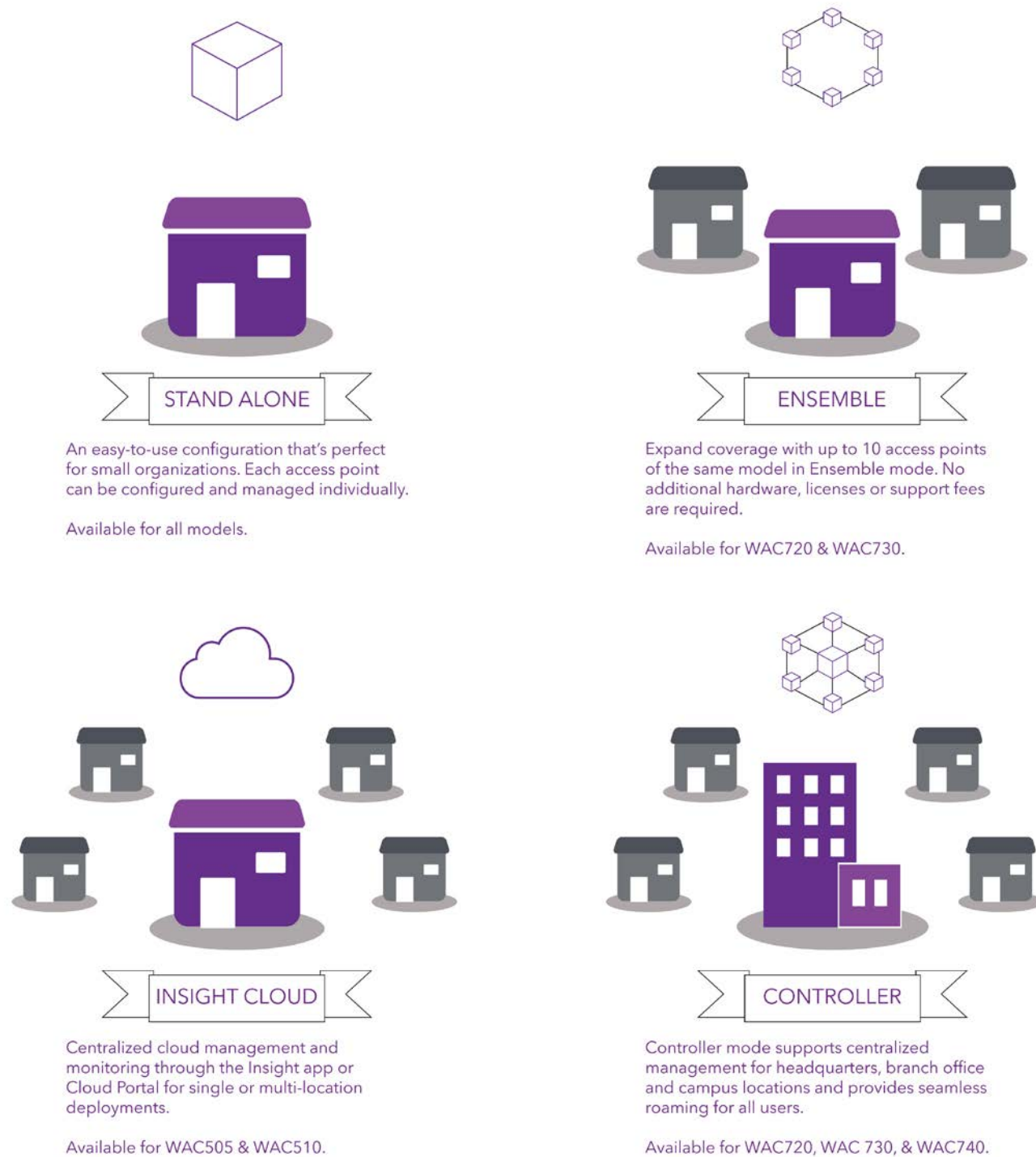


| PRODUCT       | SRK60   |
|---------------|---|
| Features      | <ul style="list-style-type: none"> <li>• Up to 80 connections with high-performance WiFi. This kit includes an Orbi Pro WiFi Router and an Orbi Pro Satellite</li> <li>• Fast, dedicated WiFi connection between the Orbi Pro Router and 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 + 400 Mbps)†</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 + 400 Mbps)†</li> <li>• MU-MIMO capable for simultaneous data streaming on multiple devices</li> <li>• Eight (8) 10/100/1000 Mbps 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 Insight management solution, 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.   |

## SIMPLY CHOOSE THE BEST WAY TO MANAGE YOUR WIRELESS NETWORK

When selecting a wireless solution, ease of setup and ease of use are often cited by end users as two key primary requirements. You have the option to select the best management mode to suit your needs, depending on the Access Point chosen.

As your organization grows, so does your wireless management needs. As needs change, you can adapt to the management platform that best suits your requirements.



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/ 3 Gbps                               | 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/ Insight 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<br>1 x 10/10/100/1000 Mbps   | 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   |   | ✓  | ✓   | ✓   |
| WAC740   |   | ✓  | ✓   | ✓   |
| WAC730   | ✓   | ✓  | ✓   | ✓   |
| WAC720   | ✓   | ✓  | ✓   | ✓   |
| 11n access points (WNDAP660, 360, 350, 320, 210) | ✓   | ✓  | ✓   | ✓   |
| <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<br>WM10AP1YL-10000S<br>WM50AP1YL-10000S   | WC9500-10000S<br>WC9500-100PRS   | WC7600-20000S<br>WC7600-200PRS  | WC7500-100NAS<br>WC7500-100AUS<br>WC7500-100PES<br>WC7500-100UKS                  |
| 5 or 10 AP License Ordering SKU                  | See Above   | Incremental 10-AP Upgrade - WC10APL-10000S<br>Incremental 50-AP Upgrade - WC50APL-10000S<br>Incremental 100-AP Upgrade - WC100APL-10000S<br>Incremental 200-AP Upgrade - WC200APL-10000S | Incremental 10-AP Upgrade - WC10APL-10000S<br>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



Outdoor

| MODEL                                    | WAC104  | WAC505                                       | WAC510  | ORBI PRO   | RBS50Y                              |
|--|---|--|---|--|-------------------------------------|
| Product Description                      | 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              |
| Typical Deployment                       | 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>                          |   |  |   |  |                                     |
| Standard                                 | 802.11ac  | 802.11ac Wave 2                              | 802.11 a/b/g/n/ac   | 802.11ac Wave 2  | 802.11 b/g/n/a/ac                   |
| Dual Band                                | concurrent  | concurrent                                   | concurrent  | Tri band   | Tri band                            |
| 2.4 GHz                                  | ✓   | ✓  | ✓   | ✓  | ✓                                   |
| 5 GHz                                    | ✓   | ✓  | ✓   | ✓  | ✓                                   |
| TX by Rv                                 | 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     |
| Throughput per Radio                     | 300/867 Mbps  | 300/867 Mbps, (2.4/5GHz)                     | 300/867 Mbps  | 1,733 + 866 + 400 Mbps, (5, 2.4GHz)                          | 1,733 + 866 + 300 Mbps, (5, 2.4GHz) |
| Max # of Concurrent Clients (standalone) | 128   | 100  | 200   | 40   |                                     |
| <b>HARDWARE</b>                          |   |  |   |  |                                     |
| # of Ethernet Ports                      | 4   | 1  | 2   | 4  | 0                                   |
| Speed of Ethernet Ports                  | 10/100/1000 Mbps  | 10/100/1000 Mbps                             | 10/100/1000 Mbps  | 10/100/1000 Mbps   |                                     |
| PoE                                      |   | ✓  | ✓   |  |                                     |
| Antenna Type                             | External  | Internal                                     | Internal  | Six (6) high-performance antennas with high-power amplifiers | Copper dipole antenna               |
| Antenna Gain                             | 3dBi  | 3/6dBi (2.4/5GHz)                            | 3dBi (2.4GHz)<br>6dBi (5GHz)                                      |  | 3dBi                                |
| Physical Size                            | 240 x 181 x 41 mm   | 175 x 165 x 35 mm<br>(6.89 x 6.49 x 1.38 in) | 197x 197 x 37 mm  | 174 x 85 x 247 mm<br>(6.8 x 3.3 x 9.7 in)                    | 8.3 x 2.7 x 10.6 in                 |
| Enclosure Material                       | Plastic   | Plastic                                      | Plastic   | Plastic  | Plastic & Metal in the back         |
| Kensington Lock                          |   | ✓  | ✓   |  |                                     |
| Ceiling/Wall Mounting                    |   | ✓  | ✓   | ✓  | Wall Mounting                       |
| Power Consumptions (W) Max               | 8.1W  | 8.9W   | 9W  |  | 19.21W                              |
| <b>MANAGEMENT</b>                        |   |  |   |  |                                     |
| Deployment Options                       | Standalone  | Standalone / Insight                         | Standalone / Insight  | Standalone / Insight   | Wall, desktop                       |
| <b>FEATURES</b>                          |   |  |   |  |                                     |
| # of BSSIDs                              | 1   | 8  | 8   | 3  | 3                                   |
| WEP                                      | ✓   | ✓  | ✓   | ✓  | ✓                                   |
| WPA-PSK/TKIP                             | ✓   | ✓  | ✓   | ✓  | ✓                                   |
| WPA2-PSK/AES                             | ✓   | ✓  | ✓   | ✓  | ✓                                   |
| 802.1X                                   |   |  |   | ✓  | ✓                                   |
| Rogue AP Detection                       |   |  | ✓   |  |                                     |
| WIDS/WIPS                                |   |  | ✓   |  |                                     |
| Wireless Distribution Systems            | ✓   | ✓  | ✓   |  |                                     |
| Repeater                                 |   | ✓  | ✓   |  |                                     |
| Point-to-Point/Multi-Point               | ✓   | ✓  | ✓   |  |                                     |
| Simultaneous Bridge/Client Association   | ✓   | ✓  | ✓   |  |                                     |
| Captive Portal                           |   | ✓  | ✓   | ✓  | Works with Orbi Pro to support      |
| VLANs                                    |   | ✓  | ✓   | ✓  | ✓                                   |
| MAC ACL                                  | ✓   | ✓  | ✓   | ✓  | ✓                                   |
| 802.11e/WMM                              | ✓   | ✓  | ✓   | ✓  | ✓                                   |
| Rate Limiting                            | ✓   | ✓  | ✓   |  |                                     |
| Bandwidth Management                     |   |  | ✓   |  |                                     |
| Beamforming                              |   | ✓  | ✓   | ✓  | ✓                                   |
| Bandsteering                             | ✓   | ✓  | ✓   | ✓  | ✓                                   |
| <b>ORDERING</b>                          |   |  |   |  |                                     |
| Warranty                                 | 3 years   | 5 years                                      | 5 years   | 5 years  | 1 year                              |
| Product Ordering SKU                     | WAC104-100NAS<br>WAC104-100AUS<br>WAC104-100PES<br>WAC104-100UKS<br>WAC104-100INS | WAC505-100NAS<br>WAC505-10000S               | WAC510-10000S<br>WAC510-100NAS                                    | SRK60-100NAS<br>SRS60-100NAS                                 | RBS50Y-100NAS                       |
| <b>ProSUPPORT Maintenance PKGS</b>       |   |  |   |  |                                     |
| OnCall 24x7 1-year                       | PMB0511   | PMB0511                                      | PMB0512   | PMB0311  | PMB0512                             |
| OnCall 24x7 3-year                       | PMB0531   | PMB0531                                      | PMB0532   | PMB0331  | PMB0532                             |
| OnCall 24x7 5-year                       | PMB0551   | PMB0551                                      | PMB0552   | PMB0351  | PMB0552                             |



# 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>                     | 300/867 Mbps   | 450/1300 Mbps  | 600/1700 Mbps   | 300/300 Mbps  | 300 Mbps                           |
| <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>                  | 10/100/1000 Mbps   | 10/100/1000 Mbps   | 1G/2.5G Multi-Gig Ethernet 10/100/1000 Mbps                                   | 10/100/1000 Mbps  | 4 x 10/100 Mbps + 1 (1G) 2 (voice) |
| <b>PoE</b>                                      | ✓  | ✓  | ✓   | ✓   | ✓                                  |
| <b>Antenna Type</b>                             | Internal   | Internal   | Internal  | Internal/External   | Internal                           |
| <b>Antenna Gain</b>                             | 5dBi (2.4GHz)<br>6dBi (5GHz)   | 5dBi (2.4GHz)<br>6dBi (5GHz)   | 5dBi (2.4GHz)<br>6dBi (5GHz)  | 5dBi (2.4GHz)<br>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 40 mm  | 197 x 197 x 40 mm  | 197 x 197 x 40 mm   | 255 x 255 x 78 mm   | 135 x 93 x 26 mm                   |
| <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 Consumption (W) Max</b>                | 11   | 12.9   | 17.9  | 15.2W (heater off)  | 5.1W                               |
| <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<br>WAC720-100NAS   | WAC730-10000S<br>WAC730-100NAS   | WAC740-10000S<br>WAC740-100NAS  | WND930-10000S<br>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  | 10dBi 2x2 indoor/outdoor directional antenna -ANT224D10  | 9dBi 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>  | 2.5dBi (2.4 GHz) and 4dBi (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 11 mm (8.5 x 0.9 x 0.4 in)  | 240 x 240 x 40 mm (9.45 x 9.45 x 1.57 in)  | 625 x 75 x 56 mm (24.6 x 2.95 x 2.2 in)  | 185 x 36.2 x 12.7 mm (7.283 x 1.425 x 0.5 in)                                     |
| <b>Weight</b>                             | .2 kg (0.4 lb)   | .7 kg (1.54 lb)  | .9 kg (2 lb)   | 0.025 kg (0.055116 lb)  |
| <b>Connectors</b>                         | N-Plug Male  | · Antenna - N Jack Male<br>· Lightning arrestor - N Jack Male to N Jack Male<br>· Extended Cable - N Plug Female   | · Antenna - Reverse N female<br>· Lightning arrestor - Reverse N female<br>· Adapter - Reverse SMA   | RP SMA-PlugZ (SMA Male Reverse )  |
| <b>Package Contents</b>                   | · 2 x 2.4GHz omni directional antennas<br>· 2 x 5GHz omni directional antennas<br>· Installation guide | · NETGEAR Indoor/ Outdoor 10dB 2x2 Directional Antenna ANT224D10<br>· 2 lightning arrestors with 30 cm low-loss cables<br>· 2 reverse N/SMA adapters<br>· Wall mount and pole mounting hardware<br>· Installation Guide and Warranty/ Support card | · Indoor/Outdoor 9dBi Omni-directional<br>· Antenna - ANT2409 (cable required, sold separately)<br>· Wall and pole mount brackets and hanging materials<br>· One reverse N type to reverse SMA adapter<br>· 2 m low-loss antenna cable (connection for lightning arrestor)<br>· Lightning arrestor<br>· Installation guide and Warranty/support card | · 1 x 2.4/5GHz omni directional antenna<br>· Installation guide                   |
| <b>Warranty*</b>                          | 2 years  |  |  |   |
| <b>Ordering Information (all regions)</b> | ANT24501B-10000S   | ANT224D10-10000S   | ANT2409-20000S   | ANT2511AC-10000S  |

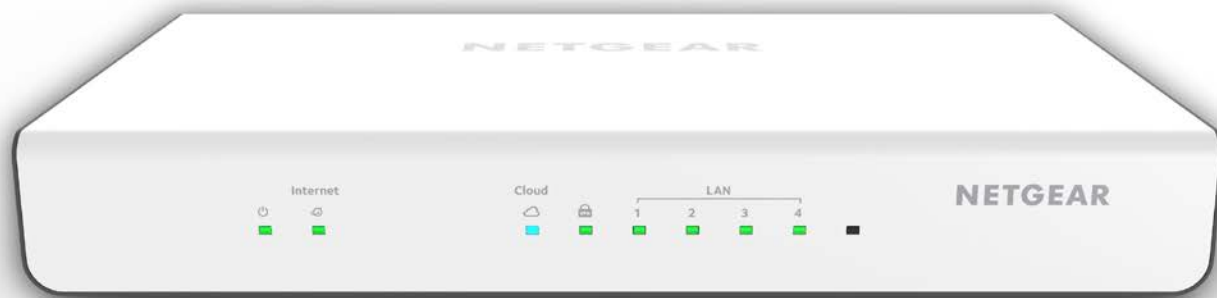
<sup>1</sup> Range estimation is based on FCC-compliant operation of two (2) 802.11 APs each with two (2) ANT24D18 antennas, 3 m antenna cables, and lightning arrestors installed. With the antennas positioned 26 m above the ground, data rate should sustain 1 Mbps under ideal line-of-sight conditions.

<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 Ben Radius</b>                 | 26 mm (1 in)                                    |                            |                             |
| <b>Connectors</b>                         | Reverse SMA female (both ends)                  |                            |                             |
| <b>Package Size</b>                       | 450 x 280 x .12 mm (17.72 x 11.02 x .004 in)    |                            |                             |
| <b>Warranty*</b>                          | 2 years   |                            |                             |
| <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 years 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.



## INSIGHT INSTANT VPN ROUTER

Introducing easy Instant VPN for SMBs

### Creating a VPN today



### Creating a VPN with Insight



Have you ever wanted to reach the resources that you have in your office such as a file server or NAS (Network Attached Storage) while you were out on a business errand or a customer visit and found yourself stranded? Has your business grown and you have a well-established network in your main office, and want your employees in your satellite offices to access the same resources?

NETGEAR has recognized the needs of modern businesses and summarized them in the NETGEAR® Insight™ Instant VPN Router. A business-class router with Instant VPN technology, world's easiest and most user friendly way to remotely connect to your office as if you were there and never left. It has never been this easy to connect multiple offices together as if they were on one and the same network and shared all the same resources.

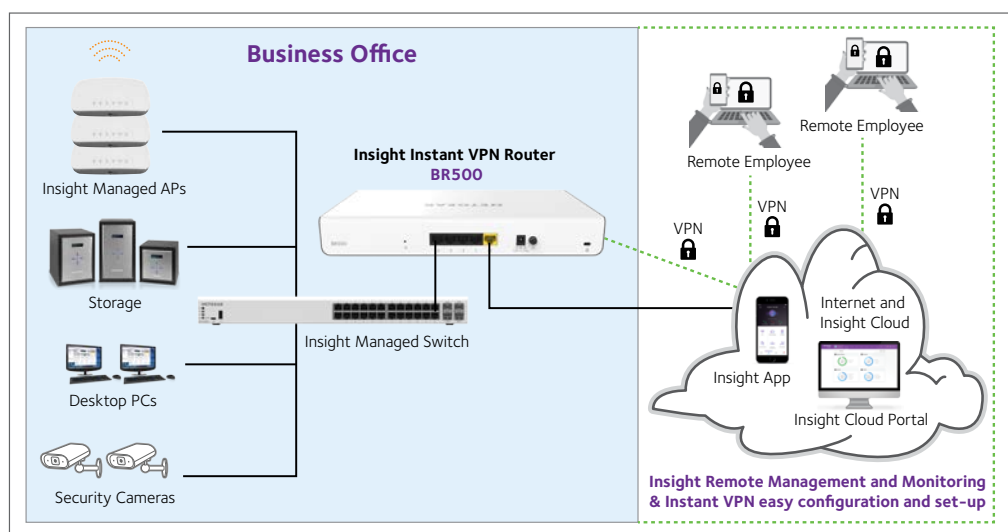
In addition to being a high performance router for small to medium-size businesses, it also offers a Stateful Packet Inspection (SPI) firewall supporting over a hundred rules to keep the bad guys out and your business safe. The VPN connections are encrypted to offer a secure link between your laptop and your office whether you're on the road, at a coffee shop, or in another country. The same is true for site-to-site connections, when you decide to connect your home, office, or several other locations that need to be interconnected.

Using NETGEAR Insight, you have visibility and access to all features from routing to VPN setup, configuration, management and monitoring all from a single pane of glass, on your phone or laptop.\*

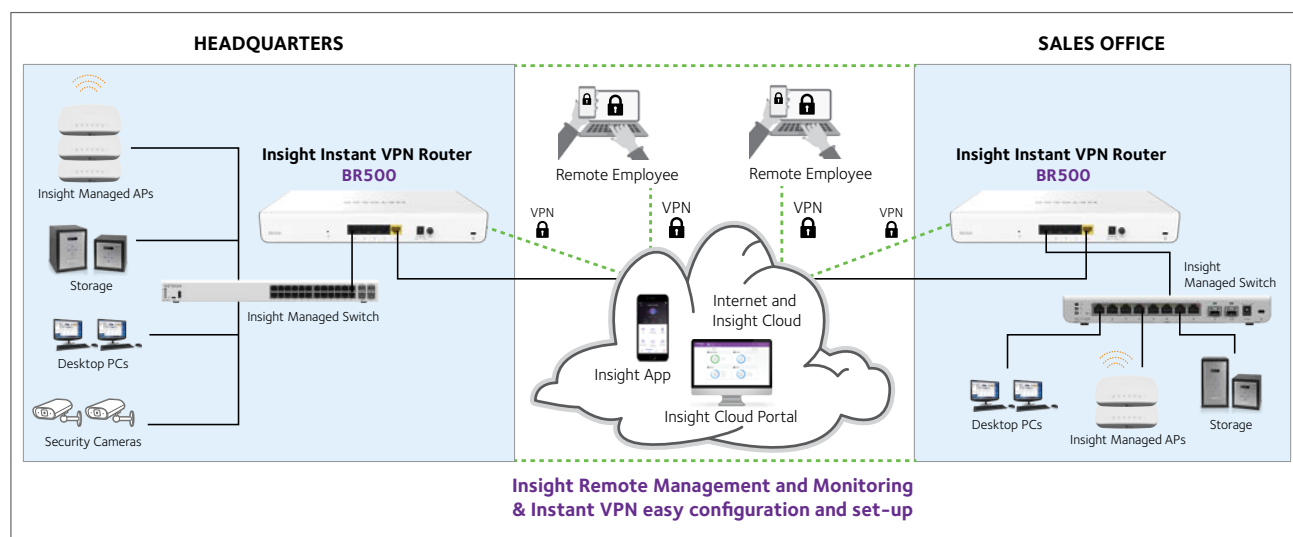
\* Remote VPN subscription is included for one user. Additional Remote VPN users and/or site-to-site VPN require a paid subscription. More details at [www.netgear.com/insight](http://www.netgear.com/insight)

## SECURITY

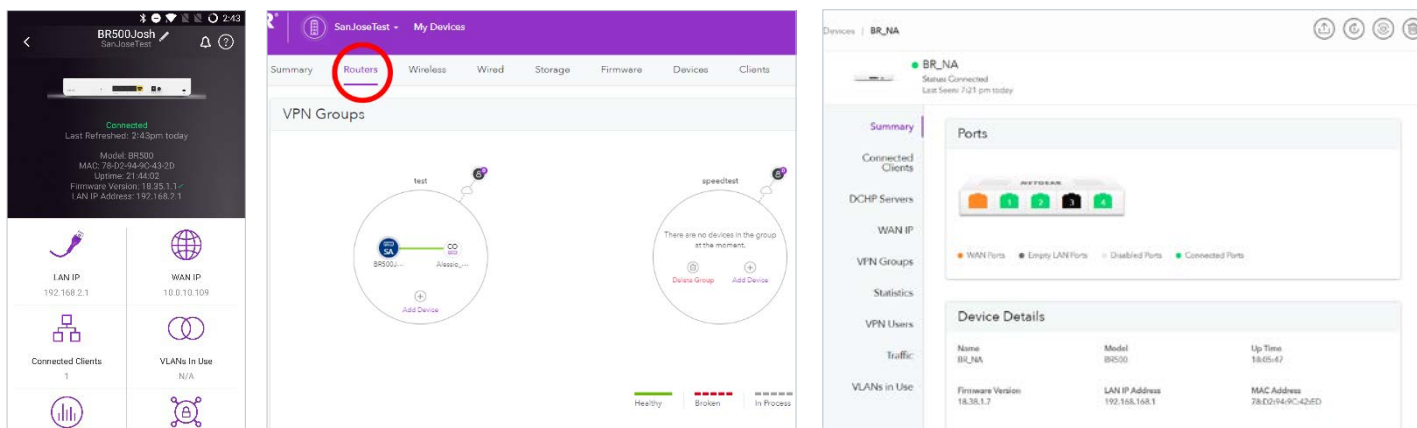
Secure Remote VPN



Site-to-Site VPN



Full monitoring and management through NETGEAR Insight app or Cloud Portal



SECURITY



|   |  |
|---|--|
| MODEL                                       | BR500  |
| Product Description                         | Insight Instant VPN Router   |
| Typical Deployment                          | High performance small to medium-size businesses   |
| <b>CONNECTIVITY</b>                         |  |
| Gigabit Ports WAN/LAN                       | 1/4  |
| DMZ Interfaces (Configurable)               | 1  |
| IPv6 Support                                | Yes  |
| <b>PERFORMANCE</b>                          |  |
| LAN-to-WAN Throughput <sup>2</sup>          | 924 Mbps   |
| Insight Instant VPN Throughput <sup>2</sup> | 60 Mbps  |
| Maximum Number of VLANs                     | 256  |
| Insight Site to site VPN limit              | 3  |
| Insight client to site VPN limit            | 10 per router  |
| <b>SECURITY</b>                             |  |
| Firewall Functions                          | Stateful Packet Inspection (SPI), Port/Service Blocking, Denial-of-service (DoS) Prevention, Stealth Mode, Block TCP Flood, Block UDP Flood, WAN/LAN Ping Response Control   |
| Content Filtering (HTTP Only)               | Web Keyword Blocking, Trusted Domains  |
| User Authentication for VPN                 | NETGEAR Insight SSO  |
| VoIP SIP ALG                                | Yes  |
| <b>NETWORKING</b>                           |  |
| ISP Address Assignment                      | DHCP, Static IP Assignment, PPPoE, PPTP  |
| NAT Modes                                   | 1-1, NAT   |
| Routing                                     | Static, Dynamic, RIPv1, RIPv2  |
| IPv6 Support                                | Yes  |
| DHCP  | DHCP Server, DHCP Relay, DNS Proxy   |
| DDNS  | NETGEAR, No-IP.com, Dyn.com  |
| VLANs                                       | 802.1Q   |
| Essential Networking Features               | Port Range Forwarding, Port Triggering, DNS proxy, MAC Address Cloning/spoofing, NTP Support, UPnP, Auto-Uplink on Switch Ports, L3 Quality of Service (QoS), LAN-to-WAN and WAN-to-LAN (ToS), Bandwidth Profiling |
| <b>VPN</b>                                  |  |
| IPsec Encryption/Authentication             | 56-bit DES, 168-bit 3DES, AES(128, 192, 256 bit)/SHA-1, MD5  |
| Key Exchange                                | IKE, Manual Key, Pre-shared Key, PKI, X.509 v3   |
| IPsec NAT Traversal (VPN Passthrough)       | Yes  |
| Access Modes                                | Insight remote access  |
| VPN Wizard                                  | Insight VPN wizard   |
| SSL Version Support                         | SSLv3, TLS1.0  |
| SSL Encryption Support                      | DES, 3DES, ARC4, AES(ECB, CBC, XCBC, CNTR)128, 256 bit   |
| SSL Message Integrity                       | MD5, SHA-1, MAC-MD5/SHA-1, HMAC-MD5/SHA-1  |
| SSL Certificate Support                     | RSA, Diffie-Hellman, Self  |
| L2TP Server                                 | Yes  |
| PPTP Server                                 | Yes  |
| <b>MANAGEMENT</b>                           |  |
| Management Options                          | Insight Cloud  |
| Logging                                     | Accepted Packets, Dropped Packets, System, Source MAC filter, Session Limit, Bandwidth Limit, IPsec VPN  |
| Log Delivery                                | Insight logging  |
| Diagnostics                                 | Ping, DNS Lookup, Trace Route  |
| Maintenance                                 | Save/restore Configuration, Restore to Factory Defaults, Firmware Upgrades via Web Browser, Display Statistics   |
| <b>HARDWARE</b>                             |  |
| Processor                                   | Dual-core 1.7GHz CPU with additional dual-core Network Switching Subsystem (NSS) processors  |
| Flash Memory/RAM                            | 128 MB/1 GB  |
| Major Regulatory Compliance                 | Environment: RoHS Safety: CE/LVD, cUL EMI: FCC Part 15 Class B, CE mark, C-Tick Class B, VCCI  |
| Temperatures                                | Operating Temperature: 0° - 45°C (32°-113° F) Storage Temperature: -20° - 70° C (-4° - 158° F)   |
| Humidity                                    | Operating humidity 90% maximum relative humidity, non-condensing Storage humidity 95% maximum relative humidity, non-condensing  |
| Electrical Specifications                   | Power adapter Input localized to regions Output: DC 12V/1.5A   |
| Dimensions (W x D x H) cm                   | 31.4 x 18.75 x 4.365   |
| Dimensions (W x D x H) in                   | 12.36 x 7.38 x 1.72  |
| Weight kg/lb                                | 1.55/3.41  |
| System Requirements                         | Cable or DSL Broadband Modem, Internet Service, Windows/OSX/Linux/iOS/Android Client Device, Internet Explorer/Firefox/Chrome/Safari Web Browser   |
| <b>WARRANTY</b>                             |  |
| Hardware Warranty*                          | 5 years  |
| Technical Support*                          | 90 days  |
| Next Business Day Replacement               | 5 years  |
| <b>ORDERING</b>                             |  |
| Package Contents                            | Includes 1 Insight Instant VPN Router(BR500) or Includes 2 Insight Instant VPN Routers (BRK500) Ethernet cable, Install guide, Warranty card   |
| Product Ordering SKU                        | Single<br>BR500-100NAS<br>BR500-100UKS<br>BR500-100PES<br>BR500-100JPS<br>BR500-100AUS<br>Kit of Two Units<br>BRK500-100NAS<br>BRK500-100UKS<br>BRK500-100PES<br>BRK500-100JPS<br>BRK500-100AUS                    |
| ProSUPPORT Maintenance PKGS                 | OnCall 24x7 1-year PMB0311<br>OnCall 24x7 3-year PMB0331<br>OnCall 24x7 5-year PMB0351   |





## STORAGE

## GET THE MOST SECURE NETWORK STORAGE AND BACKUP WITH READYNAS

**NETGEAR® ReadyNAS®** This is a data based economy. Most companies utilize data for different aspects of their business. Without an exception, data backup is part of any operational plan and every business continuity plan. If you are looking for a data backup solution, ReadyNAS is the leader in the industry for SMBs - limited budget, but highly scalable with enterprise class reliability and security.

Your data. Your Business. Protected.

### Most secure network storage & back up

- Hybrid backup (on premises + Cloud) with automatic data backup to ReadyNAS and to public Cloud - Amazon AWS Cloud, Dropbox, Google Drive, OneDrive, Azure
- Disaster Recovery - Automatic and incremental, block level backup to a secondary ReadyNAS
- Guard against ransomware based on Snapshot technology
- 5 levels of data protection against mechanical, physical, virus, malware, human, full system
- Better data robustness, repair, data protection, full journaling for data repair

### Highest performance & access speed

- Fast access to data, more simultaneous users, faster encryption processing for higher security, higher workload virtualization thanks to latest and fastest Intel processor technology
- 10 GbE connectivity is more than half of the ReadyNAS models
- ReadyNAS software uses Linux 4 kernel that offers security enhancements & better performance
- Plex streaming - Multi-core processor with Full HD transcoding (ideal use for 200 and 420 desktop series)



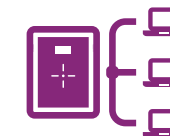
Cloud backup to Amazon, Dropbox, OneDrive, Google Drive, Azure



Monitor and manage your ReadyNAS from the palm of your hand through the NETGEAR Insight app (all except ReadyNAS 100 series)



Best protection against ransomware with Industry's only block level hourly configurable Snapshot technology



High-end desktop ReadyNAS and rackmount NAS are optimized for virtualized environments with VMWare



Just pick the one that's best for you!

DESKTOP



| SERIES NUMBER      | 210 SERIES   | 420 SERIES   | 520 SERIES   | 620 SERIES   |
|--------------------|--|--|--|--|
| Description        | Media Storage Hub for the Home Office  | High-performance Business Storage  | Premium Performance Business Storage   | Ultimate Performance Business Storage  |
| Typical Deployment | SOHO   | SMB  | Medium offices, creative professionals   | Large offices, creative professionals  |
| Number of users    | Up to 12   | Up to 40   | Up to 80   | Up to 120  |
| Number of bays     | 2 or 4 Bays  | 2, 4, 6 or 8 Bays  | 4, 6 or 8 Bays   | 6 or 8 Bays  |
| Connectivity       | 1Gb  | 1Gb  | 10Gb   | 10 Gb  |
| Management         | Web management for all models and/or NETGEAR Insight app management for OS 6.6 and above | Web management for all models and/or NETGEAR Insight app management for OS 6.6 and above | Web management for all models and/or NETGEAR Insight app management for OS 6.6 and above | Web management for all models and/or NETGEAR Insight app management for OS 6.6 and above |

RACKMOUNT



| SERIES NUMBER      | 2000 SERIES  | 3000 SERIES  | 4000 SERIES  |
|--------------------|--|--|--|
| Description        | High-performance Rackmount storage   | Premium performance Rackmount storage  | Ultimate performance Rackmount Storage   |
| Typical Deployment | Small office   | Medium Office  | Large Office   |
| Number of users    | Up to 40   | Up to 120  | Up to 160  |
| Number of bays     | 4 or 12 Bays   | 4 or 12 Bay  | 12 or 60 Bays  |
| Connectivity       | 1Gb  | 1Gb  | 10Gb (Copper or Fiber)   |
| Management         | Web management for all models and/or NETGEAR Insight app management for OS 6.6 and above | Web management for all models and/or NETGEAR Insight app management for OS 6.6 and above | Web management for all models and/or NETGEAR Insight app management for OS 6.6 and above |

# ReadyNAS

## Desktop



|                                   | ReadyNAS 212   | ReadyNAS 214   | ReadyNAS 422   | ReadyNAS 424   |
|-----------------------------------|--|--|--|--|
| Product Description               | 2-Bay Desktop  | 4-Bay Desktop  | 2-Bay Desktop  | 4-Bay Desktop  |
| Internal Capacity                 | 20TB   | 40TB   | 20TB   | 40TB   |
| File Protocols                    | NFS, CIFS/SMB, AFP, HTTP(S), FTP(S), WebDAV  | NFS, CIFS/SMB, AFP, HTTP(S), FTP(S), WebDAV  | NFS, CIFS/SMB, AFP, HTTP(S), FTP(S), WebDAV  | NFS, CIFS/SMB, AFP, HTTP(S), FTP(S), WebDAV  |
| Block Protocols                   | iSCSI  | iSCSI  | iSCSI  | iSCSI  |
| File System                       | BTRFS  | BTRFS  | BTRFS  | BTRFS  |
| Supported Drive Types             | Desktop SATA   | Desktop  | Desktop/Enterprise SATA  | Desktop/Enterprise SATA  |
| Gigabit Ethernet Ports            | 2  | 2  | 2  | 2  |
| 10G Ethernet Port                 | 0  | 0  | 0  | 0  |
| Supports EDA500 Expansion Chassis | No   | No   |  |  |
| Reliability Features              | Hot Swappable Disks Network Failover   | Hot Swappable Disks Network Failover   | Hot Swappable Disks Network Failover   | Hot Swappable Disks Network Failover   |
| CPU                               | Marvell Annapurna AL212 Quad Core 1.4GHz High Performance ARM Cortex A15   | Marvell Annapurna AL212 Quad Core 1.4GHz High Performance ARM Cortex A15   | Intel Atom C3338 Dual Core   | Intel Atom C3338 Dual Core   |
| Memory                            | 2GB  | 2GB  | 2GB DDR4   | 2GB DDR4   |
| RAID Level Supported              | RAID 0,1   | RAID 0,1,5,6,10  | RAID 0,1   | RAID 0,1,5,6,10  |
| Auto Volume Expansion             | XRAID2   | XRAID2   | XRAID2   | XRAID2   |
| Unique Features                   | Most versatile and secure remote access: <ul style="list-style-type: none"> <li>ReadyCLOUD Collaboration, Sync &amp; Backup</li> <li>ReadyCLOUD automated VPN</li> </ul> 5-levels of data protection <ul style="list-style-type: none"> <li>XRAID and/or Flex-RAID (model dependent)</li> <li>Protection of data with performance-neutral snapshots</li> <li>Protection against silent data corruption ("Bitrot")</li> <li>Real-time anti-virus</li> <li>Integrated, web-managed replication to the cloud</li> </ul> ReadyDR - Disaster Recovery Solution <ul style="list-style-type: none"> <li>Incremental backup to another ReadyNAS</li> <li>Easy recovery of full data set</li> </ul> | Most versatile and secure remote access: <ul style="list-style-type: none"> <li>ReadyCLOUD Collaboration, Sync &amp; Backup</li> <li>ReadyCLOUD automated VPN</li> </ul> 5-levels of data protection <ul style="list-style-type: none"> <li>XRAID and/or Flex-RAID (model dependent)</li> <li>Protection of data with performance-neutral snapshots</li> <li>Protection against silent data corruption ("Bitrot")</li> <li>Real-time anti-virus</li> <li>Integrated, web-managed replication to the cloud</li> </ul> ReadyDR - Disaster Recovery Solution <ul style="list-style-type: none"> <li>Incremental backup to another ReadyNAS</li> <li>Easy recovery of full data set</li> </ul> | Most versatile and secure remote access: <ul style="list-style-type: none"> <li>ReadyCLOUD Collaboration, Sync &amp; Backup</li> <li>ReadyCLOUD automated VPN</li> </ul> 5-levels of data protection <ul style="list-style-type: none"> <li>XRAID and/or Flex-RAID (model dependent)</li> <li>Protection of data with performance-neutral snapshots</li> <li>Protection against silent data corruption ("Bitrot")</li> <li>Real-time anti-virus</li> <li>Integrated, web-managed replication to the cloud</li> </ul> ReadyDR - Disaster Recovery Solution <ul style="list-style-type: none"> <li>Incremental backup to another ReadyNAS</li> <li>Easy recovery of full data set</li> </ul> | Most versatile and secure remote access: <ul style="list-style-type: none"> <li>ReadyCLOUD Collaboration, Sync &amp; Backup</li> <li>ReadyCLOUD automated VPN</li> </ul> 5-levels of data protection <ul style="list-style-type: none"> <li>XRAID and/or Flex-RAID (model dependent)</li> <li>Protection of data with performance-neutral snapshots</li> <li>Protection against silent data corruption ("Bitrot")</li> <li>Real-time anti-virus</li> <li>Integrated, web-managed replication to the cloud</li> </ul> ReadyDR - Disaster Recovery Solution <ul style="list-style-type: none"> <li>Incremental backup to another ReadyNAS</li> <li>Easy recovery of full data set</li> </ul> |
| Onboard Backup Options            | ReadyCLOUD user directory backup Remote & Local Time Machine   | ReadyCLOUD user directory backup Remote & Local Time Machine   | ReadyCLOUD user directory backup Remote & Local Time Machine   | ReadyCLOUD user directory backup Remote & Local Time Machine   |
| VMware Ready                      | No   | No   | Yes  | Yes  |
| ReadyDR for Disaster Recovery     | No   | No   | Yes  | Yes  |
| Warranty (System)                 | 3 year standard warranty   | 3 year standard warranty   | 5 year standard warranty   | 5 year standard warranty   |
| Optimal Number of User Support    | 1 - 20   | 1-20   | 1-40   | 1-40   |
| System SKUs                       | RN21200<br>RN21221D<br>RN2122D   | RN21400<br>RN2121D<br>RN21442D   | RN42200<br>RN422D2<br>RN422D4<br>RN422D6<br>RN422E4<br>RN422E6   | RN42400<br>RN424D2<br>RN424D4<br>RN424D6<br>RN424E4<br>RN424E6   |
| ProSUPPORT Maintenance PKGS       |  |  |  |  |
| OnCall 24x7 1-year                | PMB0312  | PMB0312  | PMB0312  | PMB0312  |
| OnCall 24x7 3-year                | PMB0332  | PMB0332  | PMB0332  | PMB0332  |
| OnCall 24x7 5-year                | PMB0352  | PMB0352  | PMB0352  | PMB0352  |

# ReadyNAS

## Desktop



|                                   | ReadyNAS 426  | ReadyNAS 428  | ReadyNAS 524X  | ReadyNAS 526X   |
|-----------------------------------|---|---|--|---|
| Product Description               | 6-Bay Desktop   | 8-Bay Desktop   | 8-Bay Desktop  | 6-Bay Desktop   |
| Internal Capacity                 | 60 TB   | 80 TB   | 40TB   | 60TB  |
| File Protocols                    | NFS, CIFS/SMB, AFP, HTTP(S), FTP(S), WebDAV   | NFS, CIFS/SMB, AFP, HTTP(S), FTP(S), WebDAV   | NFS, CIFS/SMB, AFP, HTTP(S), FTP(S), WebDAV  | NFS, CIFS/SMB, AFP, HTTP(S), FTP(S), WebDAV   |
| Block Protocols                   | iSCSI   | iSCSI   | iSCSI  | iSCSI   |
| File System                       | BTRFS   | BTRFS   | BTRFS  | BTRFS   |
| Supported Drive Types             | Desktop/Enterprise SATA   | Desktop/Enterprise SATA   | Desktop/Enterprise SATA  | Desktop/Enterprise SATA   |
| Gigabit Ethernet Ports            | 2   | 2   | 0  | 0   |
| 1G Ethernet Port                  |   |   | 1  |   |
| 10G Ethernet Port                 | 0   | 0   | 1  | 2 (10GBaseT)  |
| Supports EDA500 Expansion Chassis |   |   | Yes. Not Recommended for High Performance Applications   | Yes. Not Recommended for High Performance Applications  |
| Reliability Features              | Hot Swappable Disks Network Failover  | Hot Swappable Disks Network Failover  | Hot Swappable Disks Network Failover ECC Memory  | Hot Swappable Disks Network Failover ECC Memory   |
| CPU                               | Intel Atom C3538 Dual Core  | Intel Atom C3538 Dual Core  | Intel Server Processor D-1508 Dual Core 2.2GHz   | Intel Server Processor D-1508 Dual Core 2.2GHz  |
| Memory                            | 4GB DDR4  | 4GB DDR4  | 4GB DDR4 with ECC  | 4GB DDR4 with ECC   |
| RAID Level Supported              | RAID 0,1,5,6,10, 50, 60   | RAID 0,1,5,6,10, 50, 60   | RAID 0,1,5,6,10  | RAID 0,1,5,6,10, 50, 60   |
| Auto Volume Expansion             | X-RAID2   | X-RAID2   | XRAID2   | XRAID2  |
| Unique Features                   | Most versatile and secure remote access: <ul style="list-style-type: none"> <li>ReadyCLOUD Collaboration, Sync &amp; Backup</li> <li>ReadyCLOUD automated VPN</li> </ul> 5 Levels of data protection: <ul style="list-style-type: none"> <li>XRAID</li> <li>Hourly protection of data with performance-neutral snapshots</li> <li>Real-Time Antivirus</li> <li>Protection against silent data corruption ("Bitrot")</li> <li>Integrated, web-managed replication for disaster recovery or ReadyNAS Vault / backup to the cloud</li> </ul> ReadyDR - Disaster Recovery Solution <ul style="list-style-type: none"> <li>Incremental backup to another ReadyNAS</li> <li>Easy recovery of full data set</li> </ul> | Most versatile and secure remote access: <ul style="list-style-type: none"> <li>ReadyCLOUD Collaboration, Sync &amp; Backup</li> <li>ReadyCLOUD automated VPN</li> </ul> 5 Levels of data protection: <ul style="list-style-type: none"> <li>XRAID</li> <li>Hourly protection of data with performance-neutral snapshots</li> <li>Real-Time Antivirus</li> <li>Protection against silent data corruption ("Bitrot")</li> <li>Integrated, web-managed replication for disaster recovery or ReadyNAS Vault / backup to the cloud</li> </ul> ReadyDR - Disaster Recovery Solution <ul style="list-style-type: none"> <li>Incremental backup to another ReadyNAS</li> <li>Easy recovery of full data set</li> </ul> | Most versatile and secure remote access: <ul style="list-style-type: none"> <li>ReadyCLOUD Collaboration, Sync &amp; Backup</li> <li>ReadyCLOUD automated VPN</li> </ul> 5-levels of data protection <ul style="list-style-type: none"> <li>XRAID and/or Flex-RAID (model dependent)</li> <li>Protection of data with performance-neutral snapshots</li> <li>Protection against silent data corruption ("Bitrot")</li> <li>Real-time anti-virus</li> <li>Integrated, web-managed replication to the cloud</li> </ul> ReadyDR - Disaster Recovery Solution <ul style="list-style-type: none"> <li>Incremental backup to another ReadyNAS</li> <li>Easy recovery of full data set</li> </ul> | Most versatile and secure remote access: <ul style="list-style-type: none"> <li>ReadyCLOUD Collaboration, Sync &amp; Backup</li> <li>ReadyCLOUD automated VPN</li> <li>ReadyNAS Backup</li> </ul> 5-levels of data protection <ul style="list-style-type: none"> <li>XRAID and/or Flex-RAID (model dependent)</li> <li>Protection of data with performance-neutral snapshots</li> <li>Protection against silent data corruption ("Bitrot")</li> <li>Real-time anti-virus</li> <li>Integrated, web-managed replication to the cloud</li> </ul> ReadyDR - Disaster Recovery Solution <ul style="list-style-type: none"> <li>Incremental backup to another ReadyNAS</li> <li>Easy recovery of full data set</li> </ul> |
| Onboard Backup Options            | ReadyCLOUD user directory backup Remote & Local Time Machine  | ReadyCLOUD user directory backup Remote & Local Time Machine  | ReadyCLOUD user directory backup Remote & Local Time Machine   | ReadyCLOUD user directory backup Remote & Local Time Machine  |
| VMware Ready                      | Yes   | Yes   | Yes  | Yes   |
| ReadyDR for Disaster Recovery     | Yes   | Yes   | Yes  | Yes   |
| Warranty (System)                 | 5 year standard warranty  | 5 year standard warranty  | 5 year standard warranty   | 5 year standard warranty  |
| Optimal Number of User Support    | 1-40  | 1-40  | 20-80  | 20-80   |
| System SKUs                       | RN42600<br>RN426D2<br>RN426D4<br>RN426D6<br>RN426E4<br>RN426E6  | RN42800<br>RN428E4<br>RN428E6   | RN524X00<br>RN524XD2<br>RN524XD4<br>RN524XD6<br>RN524XE3<br>RN524XE4<br>RN524XE6   | RN526X00<br>RN526XD3<br>RN526XD4<br>RN526XD6<br>RN526XE3<br>RN526XE4<br>RN526XE6  |
| ProSUPPORT Maintenance PKGS       |   |   |  |   |
| OnCall 24x7 1-year                | PMB0313   | PMB0313   | PMB0313  | PMB0313   |
| OnCall 24x7 3-year                | PMB0333   | PMB0333   | PMB0333  | PMB0333   |
| OnCall 24x7 5-year                | PMB0353   | PMB0353   | PMB0353  | PMB0353   |

\*RAID 50 and RAID 60 are available with OS6.7 and above

# ReadyNAS

## Desktop



|                                   | ReadyNAS 528X   | ReadyNAS 626X   | ReadyNAS 628X   |
|-----------------------------------|---|---|---|
| Product Description               | 8-Bay Desktop   | 6-Bay Desktop   | 8-Bay Desktop   |
| Internal Capacity                 | 80TB  | 60TB  | 80TB  |
| File Protocols                    | NFS, CIFS/SMB, AFP, HTTP(S), FTP(S), WebDAV   | NFS, CIFS/SMB, AFP, HTTP(S), FTP(S), WebDAV   | NFS, CIFS/SMB, AFP, HTTP(S), FTP(S), WebDAV   |
| Block Protocols                   | iSCSI   | iSCSI   | iSCSI   |
| File System                       | BTRFS   | BTRFS   | BTRFS   |
| Supported Drive Types             | Desktop/Enterprise SATA   | Desktop/Enterprise SATA   | Desktop/Enterprise SATA   |
| Gigabit Ethernet Ports            | 0   | 2   | 2   |
| 10G Ethernet Port                 | 2   | 2   | 2   |
| Supports EDA500 Expansion Chassis | Yes. Not Recommended for High Performance Applications  | Yes. Not Recommended for High Performance Applications  | Yes. Not Recommended for High Performance Applications  |
| Reliability Features              | Hot Swappable Disks Network Failover ECC Memory   | Hot Swappable Disks Network Failover ECC Memory   | Hot Swappable Disks Network Failover ECC Memory   |
| CPU                               | Intel Server Processor D-1508 Dual Core 2.2GHz  | Intel Xeon Server Processor D-1521 Quad Core 2.4GHz   | Intel Xeon Server Processor D-1521 Quad Core 2.4GHz   |
| Memory                            | 4GB DDR4 with ECC   | 8GByte DDR4 with ECC  | 8GByte DDR4 with ECC  |
| RAID Level Supported              | RAID 0,1,5,6,10, 50, 61   | RAID 0,1,5,6,10, 50, 60   | RAID 0,1,5,6,10, 50, 60   |
| Auto Volume Expansion             | XRAID2  | XRAID2  | XRAID2  |
| Unique Features                   | Most versatile and secure remote access: <ul style="list-style-type: none"> <li>ReadyCLOUD Collaboration, Sync &amp; Backup</li> <li>ReadyCLOUD automated VPN</li> <li>ReadyNAS Backup</li> </ul> 5-levels of data protection <ul style="list-style-type: none"> <li>XRAID and/or Flex-RAID (model dependent)</li> <li>Protection of data with performance-neutral snapshots</li> <li>Protection against silent data corruption ("Bitrot")</li> <li>Real-time anti-virus</li> <li>Integrated, web-managed replication to the cloud</li> </ul> ReadyDR - Disaster Recovery Solution <ul style="list-style-type: none"> <li>Incremental backup to another ReadyNAS</li> <li>Easy recovery of full data set</li> </ul> | Most versatile and secure remote access: <ul style="list-style-type: none"> <li>ReadyCLOUD Collaboration, Sync &amp; Backup</li> <li>ReadyCLOUD automated VPN</li> <li>ReadyNAS Backup</li> </ul> 5-levels of data protection <ul style="list-style-type: none"> <li>XRAID and/or Flex-RAID (model dependent)</li> <li>Protection of data with performance-neutral snapshots</li> <li>Protection against silent data corruption ("Bitrot")</li> <li>Real-time anti-virus</li> <li>Integrated, web-managed replication to the cloud</li> </ul> ReadyDR - Disaster Recovery Solution <ul style="list-style-type: none"> <li>Incremental backup to another ReadyNAS</li> <li>Easy recovery of full data set</li> </ul> | Most versatile and secure remote access: <ul style="list-style-type: none"> <li>ReadyCLOUD Collaboration, Sync &amp; Backup</li> <li>ReadyCLOUD automated VPN</li> <li>ReadyNAS Backup</li> </ul> 5-levels of data protection <ul style="list-style-type: none"> <li>XRAID and/or Flex-RAID (model dependent)</li> <li>Protection of data with performance-neutral snapshots</li> <li>Protection against silent data corruption ("Bitrot")</li> <li>Real-time anti-virus</li> <li>Integrated, web-managed replication to the cloud</li> </ul> ReadyDR - Disaster Recovery Solution <ul style="list-style-type: none"> <li>Incremental backup to another ReadyNAS</li> <li>Easy recovery of full data set</li> </ul> |
| Onboard Backup Options            | ReadyCLOUD user directory backup Remote & Local Time Machine  | ReadyCLOUD user directory backup Remote & Local Time Machine  | ReadyCLOUD user directory backup Remote & Local Time Machine  |
| VMware Ready                      | Yes   | Yes   | Yes   |
| ReadyDR for Disaster Recovery     | Yes   | Yes   | Yes   |
| Warranty (System)                 | 5 year standard warranty  | 5 year standard warranty  | 5 year standard warranty  |
| Optimal Number of User Support    | 20-80   | 40-120  | 40-120  |
| System SKUs                       | RN528X00<br>RN528XE3<br>RN528XE4<br>RN528XE6  | RN626X00<br>RN626XE3<br>RN626XE4<br>RN626XE6  | RN628X00<br>RN628XE3<br>RN628XE4<br>RN628XE6  |
| ProSUPPORT Maintenance PKGS       |   |   |   |
| OnCall 24x7 1-year                | PMB0313   | PMB0313   | PMB0313   |
| OnCall 24x7 3-year                | PMB0333   | PMB0333   | PMB0333   |
| OnCall 24x7 5-year                | PMB0353   | PMB0353   | PMB0353   |

\*RAID 50 and RAID 60 are available with OS6.7 and above



# ReadyNAS

## Rackmount



|   | ReadyNAS 2304   | ReadyNAS 2312   | ReadyNAS 3138   | ReadyNAS 3312   |
|---|---|---|---|---|
| <b>Product Description</b>  | 1U Rackmount, 4-Bays  | 1U Rackmount, 12-Bays   | 1U Rackmount, 4-Bays  | 2U Rackmount, 12-Bays   |
| <b>Total Solution Capacity Internal/with Expansion</b>            | 40TB / N.A.   | 120TB/N.A.  | 40TB/N.A.   | 120TB/600TB   |
| <b>File Protocols</b>   | NFS, CIFS/SMB, AFP, HTTP(S), FTP(S), WebDAV   | NFS, CIFS/SMB, AFP, HTTP(S), FTP(S), WebDAV   | NFS, CIFS/SMB, AFP, HTTP(S), FTP(S), WebDAV   | NFS, CIFS/SMB, AFP, HTTP(S), FTP(S), WebDAV   |
| <b>Block Protocols</b>  | iSCSI   | iSCSI   | iSCSI   | iSCSI   |
| <b>File System</b>  | BTRFS   | BTRFS   | BTRFS   | BTRFS   |
| <b>Supported HDD Types</b>  | Desktop/Enterprise SATA   | Desktop/Enterprise SATA   | Desktop/Enterprise SATA   | Enterprise SATA   |
| <b>Gigabit Ethernet Ports</b>                                     | 2   | 4   | 4   | 4   |
| <b>10G Ethernet Port</b>  | 0   | 0   | 0   | 0   |
| <b>Reliability Features</b>                                       | Hot Swappable Disks Network Failover  | Hot Swappable Disks Network Failover  | Hot Swappable Disks Network Failover  | Hot Swappable Disks Network Failover  |
| <b>CPU</b>  | Intel Celeron dual core 2.0GHz processor  | Intel Atom Quad Core C3538 2.1GHz with QuickAssist  | Intel Atom C2558 Dual Core 2.4GHz Quad Core Processor   | Intel Xeon E3-1225v5 3.3GHz Quad Core   |
| <b>Memory</b>   | 2GB DDR3  | 2GB DDR4  | 4GB DDR3 ECC  | 8GB DDR4 ECC  |
| <b>Expandable Memory</b>  | 0   | No  | 0   | 64GByte DDR4  |
| <b>RAID Level Supported</b>                                       | RAID 0,1,5,6,11   | RAID 0,1,5,6,10,50,60   | RAID 0,1,5,6,10   | RAID 0,1,5,6,10,50,60*  |
| <b>Auto Volume Expansion</b>                                      | XRAID3  | XRAID2  | XRAID2  | XRAID2  |
| <b>Unique Features</b>  | 5 Levels of data protection: <ul style="list-style-type: none"> <li>· XRAID</li> <li>· Hourly protection of data with performance-neutral snapshots</li> <li>· Protection against silent data corruption ("Bitrot")</li> <li>· Real-time anti-virus</li> <li>· Integrated, web-managed replication for disaster recovery and backup to the cloud</li> </ul> ReadyDR for disaster recovery | 5 Levels of data protection: <ul style="list-style-type: none"> <li>· XRAID</li> <li>· Hourly protection of data with performance-neutral snapshots</li> <li>· Protection against silent data corruption ("Bitrot")</li> <li>· Real-time anti-virus</li> <li>· Integrated, web-managed replication for disaster recovery and backup to the cloud</li> </ul> ReadyDR for disaster recovery | 5-levels of data protection <ul style="list-style-type: none"> <li>· XRAID and/or Flex-RAID (model dependent)</li> <li>· Protection of data with performance-neutral snapshots</li> <li>· Protection against silent data corruption ("Bitrot")</li> <li>· Real-time anti-virus</li> <li>· Integrated, web-managed replication to the cloud</li> </ul> ReadyDR for disaster recovery | 5-levels of data protection <ul style="list-style-type: none"> <li>· XRAID and/or Flex-RAID (model dependent)</li> <li>· Protection of data with performance-neutral snapshots</li> <li>· Protection against silent data corruption ("Bitrot")</li> <li>· Real-time anti-virus</li> <li>· Integrated, web-managed replication to the cloud</li> </ul> ReadyDR for disaster recovery |
| <b>Onboard Backup Options</b>                                     | ReadyCLOUD user directory backup Remote & Local Time Machine  | ReadyCLOUD user directory backup Remote & Local Time Machine  | ReadyCLOUD user directory backup Remote & Local Time Machine  | ReadyCLOUD user directory backup Remote & Local Time Machine  |
| <b>VMware Ready</b>   | Yes   | Yes   | Yes   | Yes   |
| <b>Warranty (System)</b>  | 5 year warranty with NBD HW replacement   | 5 year warranty with NBD HW replacement   | 5 year warranty with NBD HW replacement   | 5 year warranty with NBD HW replacement   |
| <b>Optimal Number of User Support</b>                             | 1-30  | 40-80 Users   | 1-40  | 20-120  |
| <b>System SKUs</b>  | RR230400<br>RR2304E4<br>RR2304E6  | RR2312<br>RR2312G4<br>RR2312G6<br>RR2312H8<br>RR231200  | RN3138<br>RN31842D<br>RN31842E<br>RN31843D<br>RN31843E<br>RN31844E<br>RN31342E  | RR331200<br>RR3312G2<br>RR3312G3<br>RR3312G4<br>RR3312G6  |
| <b>Support for: EDA 4000 – 24-Bay/EDA 2000 – 12-Bay Expansion</b> | No  | No  | No  | Yes   |
| <b>ProSUPPORT Maintenance PKGS</b>                                |   |   |   |   |
| <b>OnCall 24x7 1-year</b>   | PMB0312   | PMB0313   | PMB0313   | PMB0314   |
| <b>OnCall 24x7 3-year</b>   | PMB0332   | PMB0333   | PMB0333   | PMB0334   |
| <b>OnCall 24x7 5-year</b>   | PMB0352   | PMB0352   | PMB0352   | PMB0354   |

\*RAID 50 and RAID 60 are available with OS6.7 and above

# ReadyNAS

## Rackmount



|   | ReadyNAS 4312S  | ReadyNAS 4312X   | ReadyNAS 4360S   | ReadyNAS 4360X   |
|---|---|--|--|--|
| <b>Product Description</b>  | 2U Rackmount, 12-Bays   | 2U Rackmount, 12-Bays  | 4U Rackmount, 60-Bays  | 4U Rackmount, 60-Bays  |
| <b>Total Solution Capacity Internal / with Expansion</b>          | 120TB/600TB   | 120TB/600TB  | 600TB/1.320 PB   | 600TB/1.320 PB   |
| <b>File Protocols</b>   | NFS, CIFS/SMB, AFP, HTTP(S), FTP(S), WebDAV   | NFS, CIFS/SMB, AFP, HTTP(S), FTP(S), WebDAV  | NFS, CIFS/SMB, AFP, HTTP(S), FTP(S), WebDAV  | NFS, CIFS/SMB, AFP, HTTP(S), FTP(S), WebDAV  |
| <b>Block Protocols</b>  | iSCSI   | iSCSI  | iSCSI  | iSCSI  |
| <b>File System</b>  | BTRFS   | BTRFS  | BTRFS  | BTRFS  |
| <b>Supported HDD Types</b>  | Enterprise SATA   | Enterprise SATA  | SAS or SATAIII Enterprise  | SAS or SATAIII Enterprise  |
| <b>Gigabit Ethernet Ports</b>                                     | 4   | 4  | 4  | 4  |
| <b>10G Ethernet Port</b>  | 2 (SFP+)  | 2 (10GBaseT)   | 2 (SFP+)   | 2 (10GBaseT)   |
| <b>Reliability Features</b>                                       | Hot Swappable Disks Network Failover  | Hot Swappable Disks Network Failover   | Hot Swappable Disks Network Failover   | Hot Swappable Disks Network Failover   |
| <b>CPU</b>  | Intel Xeon E3-1245V5 3.5GHz Quad Core Hyper Thread  | Intel Xeon E3-1245V5 3.5GHz Quad Core Hyper Thread   | Intel Xeon E3-1225V5 3.3GHz Quad Core  | Intel Xeon E3-1225V5 3.3GHz Quad Core  |
| <b>Memory</b>   | 16GB DDR4 ECC   | 16GB DDR4 ECC  | 16GB DDR4 ECC  | 16GB DDR4 ECC  |
| <b>Expandable Memory</b>  | 64GByte DDR4  | 64GByte DDR4   | 64GByte DDR4   | 64GByte DDR4   |
| <b>RAID Level Supported</b>                                       | RAID 0,1,5,6,10,50,60*  | RAID 0,1,5,6,10,50,60*   | RAID 0,1,5,6,10,50,60*   | RAID 0,1,5,6,10,50,60*   |
| <b>Auto Volume Expansion</b>                                      | N/A   | XRAID2   | N/A  | N/A  |
| <b>Unique Features</b>  | 5-levels of data protection <ul style="list-style-type: none"> <li>· XRAID and/or Flex-RAID (model dependent)</li> <li>· Protection of data with performance-neutral snapshots</li> <li>· Protection against silent data corruption ("Bitrot")</li> <li>· Real-time anti-virus</li> <li>· Integrated, web-managed replication to the cloud</li> </ul> ReadyDR - Disaster Recovery Solution <ul style="list-style-type: none"> <li>· Incremental backup to another ReadyNAS</li> <li>· Easy recovery of full data set</li> </ul> Most versatile and secure remote access: <ul style="list-style-type: none"> <li>· ReadyCLOUD Collaboration, Sync &amp; Backup</li> <li>· ReadyCLOUD automated VPN</li> </ul> Ultimate performance with 10GbE fiber module built-in <ul style="list-style-type: none"> <li>· Large internal capacity</li> <li>· Highspeed SAS for expansion chassis</li> <li>· Storage for backup</li> <li>· Collaboration for large work group</li> <li>· Optional highspeed SAS for Expansion Chassis</li> </ul> | 5-levels of data protection <ul style="list-style-type: none"> <li>· XRAID and/or Flex-RAID (model dependent)</li> <li>· Protection of data with performance-neutral snapshots</li> <li>· Protection against silent data corruption ("Bitrot")</li> <li>· Real-time anti-virus</li> <li>· Integrated, web-managed replication to the cloud</li> </ul> ReadyDR - Disaster Recovery Solution <ul style="list-style-type: none"> <li>· Incremental backup to another ReadyNAS</li> <li>· Easy recovery of full data set</li> </ul> Most versatile and secure remote access: <ul style="list-style-type: none"> <li>· ReadyCLOUD Collaboration, Sync &amp; Backup</li> <li>· ReadyCLOUD automated VPN</li> </ul> Ultimate performance with 10GbE Ethernet module built-in <ul style="list-style-type: none"> <li>· Large internal capacity</li> <li>· Highspeed SAS for expansion chassis</li> <li>· Storage for backup</li> <li>· Collaboration for large work group</li> <li>· Optional highspeed SAS for Expansion Chassis</li> </ul> | 5-levels of data protection <ul style="list-style-type: none"> <li>· XRAID and/or Flex-RAID (model dependent)</li> <li>· Protection of data with performance-neutral snapshots</li> <li>· Protection against silent data corruption ("Bitrot")</li> <li>· Real-time anti-virus</li> <li>· Integrated, web-managed replication to the cloud</li> </ul> ReadyDR - Disaster Recovery Solution <ul style="list-style-type: none"> <li>· Incremental backup to another ReadyNAS</li> <li>· Easy recovery of full data set</li> </ul> Most versatile and secure remote access: <ul style="list-style-type: none"> <li>· ReadyCLOUD Collaboration, Sync &amp; Backup</li> <li>· ReadyCLOUD automated VPN</li> </ul> Ultimate performance with 10GbE Ethernet module built-in <ul style="list-style-type: none"> <li>· Large internal capacity</li> <li>· Highspeed SAS for expansion chassis</li> <li>· Storage for backup</li> <li>· Collaboration for large work group</li> <li>· Optional highspeed SAS for Expansion Chassis</li> </ul> | 5-levels of data protection <ul style="list-style-type: none"> <li>· XRAID and/or Flex-RAID (model dependent)</li> <li>· Protection of data with performance-neutral snapshots</li> <li>· Protection against silent data corruption ("Bitrot")</li> <li>· Real-time anti-virus</li> <li>· Integrated, web-managed replication to the cloud</li> </ul> ReadyDR - Disaster Recovery Solution <ul style="list-style-type: none"> <li>· Incremental backup to another ReadyNAS</li> <li>· Easy recovery of full data set</li> </ul> Most versatile and secure remote access: <ul style="list-style-type: none"> <li>· ReadyCLOUD Collaboration, Sync &amp; Backup</li> <li>· ReadyCLOUD automated VPN</li> </ul> Ultimate performance with 10GbE Ethernet module built-in <ul style="list-style-type: none"> <li>· Large internal capacity</li> <li>· Highspeed SAS for expansion chassis</li> <li>· Storage for backup</li> <li>· Collaboration for large work group</li> <li>· Optional highspeed SAS for Expansion Chassis</li> </ul> |
| <b>Onboard Backup Options</b>                                     | ReadyCLOUD user directory backup Remote & Local Time Machine  | ReadyCLOUD user directory backup Remote & Local Time Machine   | ReadyCLOUD user directory backup Remote & Local Time Machine   | ReadyCLOUD user directory backup Remote & Local Time Machine   |
| <b>VMware Ready</b>   | Yes   | Yes  | Yes  | Yes  |
| <b>Warranty (System)</b>  | 5 year warranty with NBD HW replacement   | 5 year warranty with NBD HW replacement  | 5 year warranty with NBD HW replacement  | 5 year warranty with NBD HW replacement  |
| <b>Optimal Number of User Support</b>                             | 80-160  | 80-160   | 40-160   | 40-160   |
| <b>System SKUs</b>  | RR4312S0<br>RR4312S3<br>RR4312S4<br>RR4312S6  | RR4312X0<br>RR4312X3<br>RR4312X4<br>RR4312X6   | RR4360S00  | RR4360X00  |
| <b>Support for: EDA 4000 – 24-Bay/EDA 2000 – 12-Bay Expansion</b> | Yes   | Yes  | Yes Expansion HBA included.  | Yes Expansion HBA included.  |
| <b>ProSUPPORT Maintenance PKGS</b>                                |   |  |  |  |
| <b>OnCall 24x7 1-year</b>   | PMB0314   | PMB0314  | PMB0314  | PMB0314  |
| <b>OnCall 24x7 3-year</b>   | PMB0334   | PMB0334  | PMB0334  | PMB0334  |
| <b>OnCall 24x7 5-year</b>   | PMB0354   | PMB0354  | PMB0354  | PMB0354  |

\*RAID 50 and RAID 60 are available with OS6.7 and above

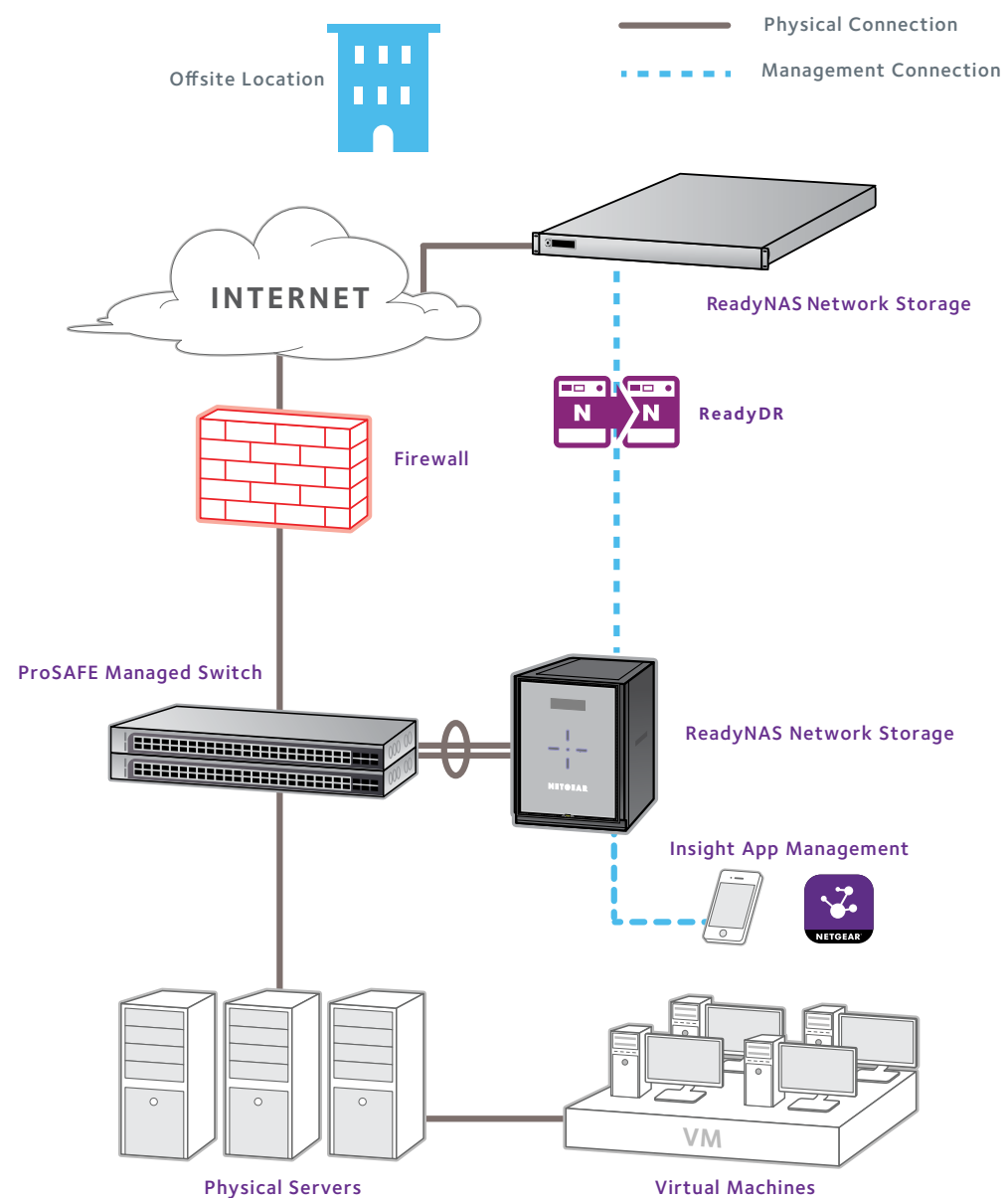
## Midmarket Solutions

### Backup to Disk

Tape based storage solutions are slow to store data, and slow to recover data that's been stored previously. Across the IT landscape, disk storage has steadily replaced tape, as hard-drive capacity grows and prices drop. As disk emerges as the leader in both price and performance, it's time for small and midsize businesses to take advantage of the reliability, performance, and economy of disk-based backup and recovery.

NETGEAR products can help you build solutions like:

- Backups that are significantly more reliable than tape alternatives
- Storage with greater starting capacity and the ability to expand on the fly
- Easy and consistent backup process with virtually no learning curve
- Systems optimized for supporting virtualized environments
- Automated backups that require little ongoing management



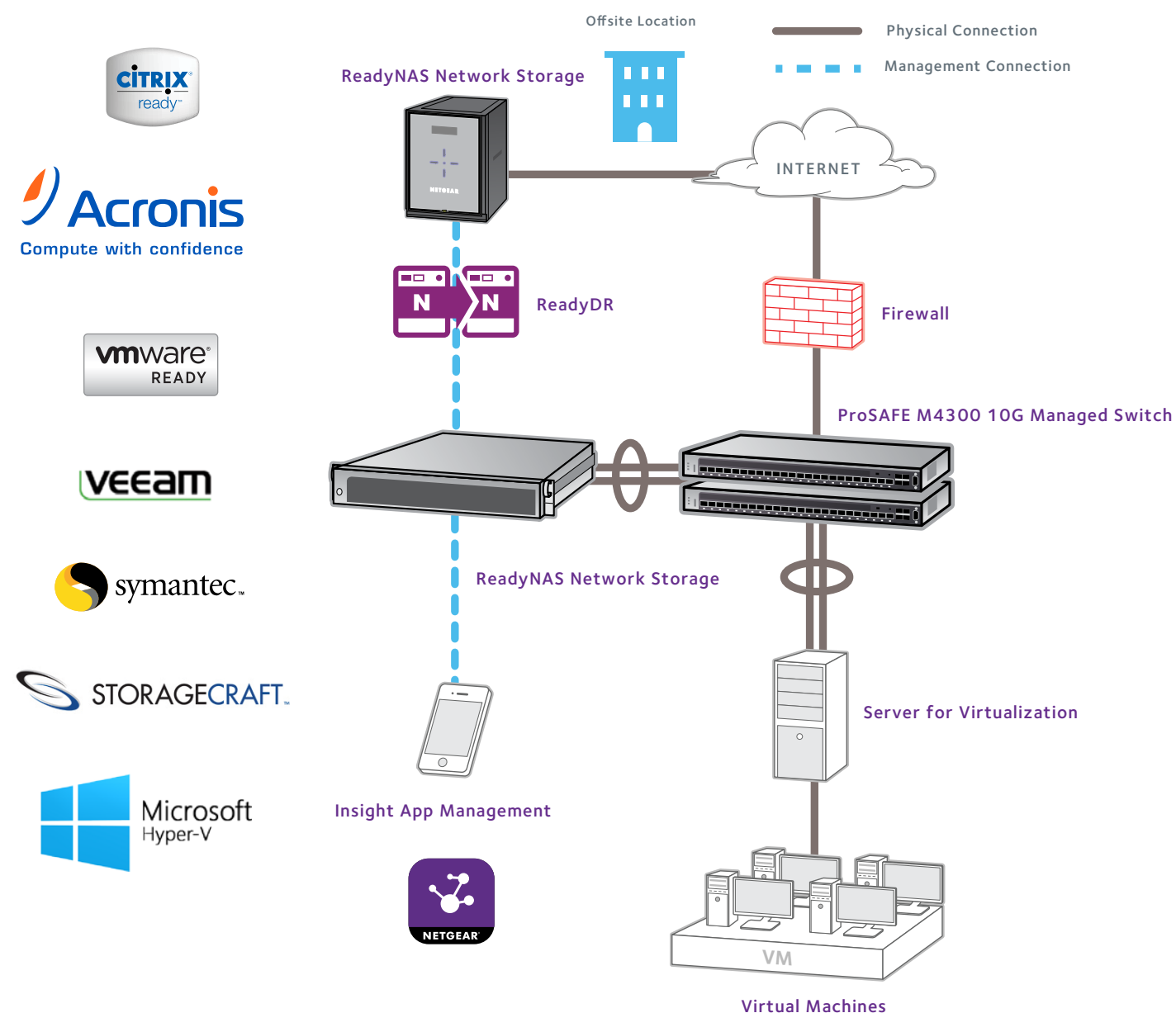
## Midmarket Solutions

### Virtualization

Gartner reports that midmarket adoption for virtualization is growing even faster than expected. Smart virtualization projects can make applications more reliable, leverage existing networks and don't have to cost a fortune.

NETGEAR products can help you build solutions like:

- Primary shared storage platforms in small or remote offices
- Secondary storage for backup and replication in existing virtualization environments
- 10-Gigabit connectivity with managed or smart switches, stacked for reliability
- Securing physical and virtual machines from network threats
- Next Business Day Service and extended warranties covering all infrastructure components



## LTE MOBILE DEVICES FOR INSTANT CONNECTIVITY ANYWHERE



### GIGABIT CLASS IN MOBILE BROADBAND

- Media streaming
- Data offloading
- Connect up to 20 devices

## LTE MOBILE



### RELIABLE INTERNET ON-THE-GO

- Secure internet connection
- Long-lasting battery
- Connect multiple devices



### ALWAYS-ON BROADBAND CONNECTION

- Fail-safe connectivity solutions
- Ideal for remote locations
- Easy Installation



## SECURITY AND CONNECTIVITY FOR YOUR BUSINESS



### Mobile Routers

Nighthawk® Mobile Routers deliver gigabit 4G LTE speeds, enabling mobile businesses to efficiently operating anywhere, regardless of whether it is at a temporary or permanent location.

- Activate instant Internet connectivity for any WiFi device in temporary or mobile stores
- Utilize waiting time efficiently while in-transit
- Download or upload information for file sharing or collaboration
- Maintain data security and employee usage accountability, avoiding the risk of using unprotected public WiFi



### Hotspots

NETGEAR Mobile Hotspots are secure and easy to use, making them the ideal work companions that let you connect multiple WiFi devices to the Internet anywhere mobile coverage is available. NETGEAR AirCard mobile hotspots let you be productive anywhere you need to be.

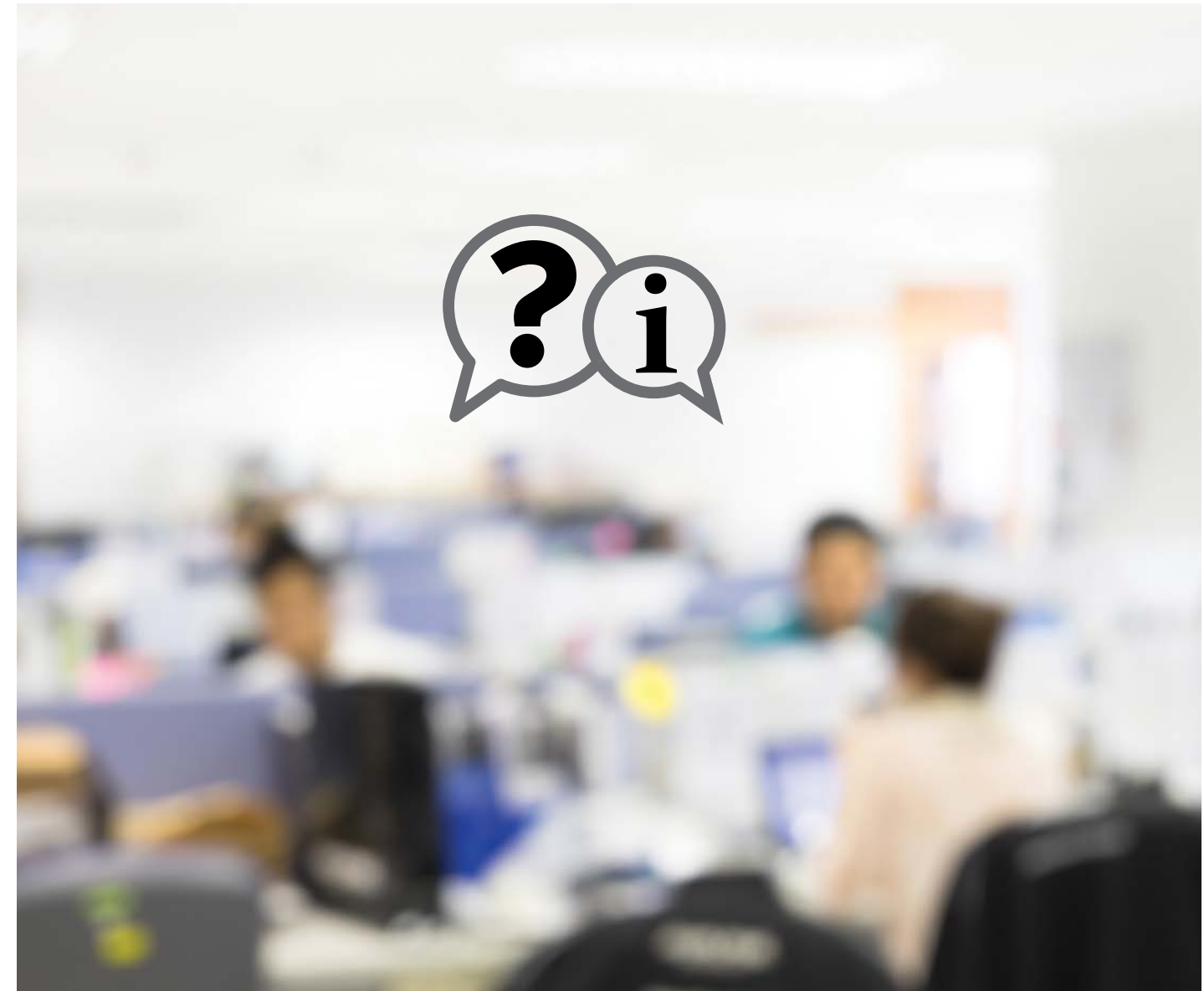
- 2930mAh battery that lasts up to 11 hours of continuous use
- Block unwanted devices or turn on a secure Guest Wi-Fi to safely share Internet access for temporary use among your teams, clients or guests
- Get instant Wi-Fi connection where you want, when you want



### LTE Modems

The NETGEAR 4G LTE Modems provide instant 4G LTE connectivity for all your devices and equipment in temporary worksites, or can act as a backup to your primary broadband network for avoiding service disruptions when your fixed wireline connection goes down.

- LTE connectivity for business' needs
- Interim solution to fixed line service
- Last-mile connection
- Retail locations with payment processing
- Premise security & monitoring
- Temporary offices such as construction sites
- Enterprise server room



# 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<br>Next Business Day      | N/A                           | N/A                                       | N/A  | YES<br>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                              | PMB0S11-10000S<br>PMB0S31-10000S<br>PMB0S51-10000S | 1 yr<br>3 yr<br>5 yr |
|   | ProSUPPORT Category S2                              | PMB0S12-10000S<br>PMB0S32-10000S<br>PMB0S52-20000S | 1 yr<br>3 yr<br>5 yr |
|   | ProSUPPORT Category 1                               | PMB0311-10000S<br>PMB0331-10000S<br>PMB0351-10000S | 1 yr<br>3 yr<br>5 yr |
|   | ProSUPPORT Category 2                               | PMB0312-10000S<br>PMB0332-10000S<br>PMB0352-10000S | 1 yr<br>3 yr<br>5 yr |
|   | ProSUPPORT Category 3                               | PMB0313-10000S<br>PMB0333-10000S<br>PMB0353-10000S | 1 yr<br>3 yr<br>5 yr |
|   | ProSUPPORT Category 4                               | PMB0314-10000S<br>PMB0334-10000S<br>PMB0354-10000S | 1 yr<br>3 yr<br>5 yr |
| Professional Setup and Configuration (Remote) | 2-hour consultation,<br>48-hour advance appointment | PSB0304-10000S                                     |                      |

### Availability by Product

| Category                             | Product Family | Hardware Warranty | 90-Day Free Support | Lifetime Online Tech Support | ProSUPPORT Category |
|--------------------------------------|----------------|-------------------|---------------------|------------------------------|---------------------|
| Insight Managed Smart Cloud Switches | GC110          | 5 Yr              | Y                   | N                            | Category S2         |
|                                      | GC110P         | 5 Yr              | Y                   | N                            | Category S2         |
|                                      | GC510P         | 5 Yr              | Y                   | N                            | Category S2         |
|                                      | GC510PP        | 5 Yr              | Y                   | N                            | Category S2         |
|                                      | GC728X         | 5 Yr              | Y                   | N                            | Category 1          |
|                                      | GC728XP        | 5 Yr              | Y                   | N                            | Category 1          |
|                                      | GC752X         | 5 Yr              | Y                   | N                            | Category 2          |
|                                      | GC752XP        | 5 Yr              | Y                   | N                            | Category 2          |
| Fully Managed Switches               | FSM752P        | Lifetime          | Y                   | N                            | Category 2          |
|                                      | FSM7326PNA     | Lifetime          | Y                   | N                            | Category 2          |
|                                      | GSM4210P       | Lifetime          | Y                   | Y                            | Category 2          |
|                                      | GSM4328PA      | Lifetime          | Y                   | Y                            | Category 3          |
|                                      | GSM4328PB      | Lifetime          | Y                   | Y                            | Category 3          |
|                                      | GSM4328S       | Lifetime          | Y                   | Y                            | Category 3          |
|                                      | GSM4352PA      | Lifetime          | Y                   | Y                            | Category 3          |
|                                      | GSM4352PB      | Lifetime          | Y                   | Y                            | Category 3          |
|                                      | GSM4352S       | Lifetime          | Y                   | Y                            | Category 3          |
|                                      | GSM5212        | Lifetime          | Y                   | Y                            | Category 2          |
|                                      | GSM5212P       | Lifetime          | Y                   | Y                            | Category 2          |
|                                      | GSM7212F       | Lifetime          | Y                   | Y                            | Category 2          |
|                                      | GSM7224        | Lifetime          | Y                   | Y                            | Category 2          |
|                                      | GSM7224P       | Lifetime          | Y                   | Y                            | Category 2          |
|                                      | GSM7226LP      | Lifetime          | Y                   | Y                            | Category 2          |
|                                      | GSM7228PS      | Lifetime          | Y                   | Y                            | Category 3          |
| GSM7228S                             | Lifetime       | Y                 | Y                   | Category 3                   |                     |

# NETGEAR ProSUPPORT

Availability by Product (continued)

| Category                                   | Product Family                  | Hardware Warranty | 90-Day Free Support | Lifetime Online Tech Support | ProSUPPORT Category |
|--|---------------------------------|-------------------|---------------------|------------------------------|---------------------|
| Fully Managed Switches                     | GSM7248                         | Lifetime          | Y                   | Y                            | Category 2          |
|  | GSM7248P                        | Lifetime          | Y                   | Y                            | Category 2          |
|  | GSM7252PS                       | Lifetime          | Y                   | Y                            | Category 3          |
|  | GSM7252S                        | Lifetime          | Y                   | Y                            | Category 3          |
|  | GSM7328FS                       | Lifetime          | Y                   | Y                            | Category 3          |
|  | GSM7328S                        | Lifetime          | Y                   | Y                            | Category 3          |
|  | GSM7352S                        | Lifetime          | Y                   | Y                            | Category 3          |
|  | XSM4316S                        | Lifetime          | Y                   | Y                            | Category 3          |
|  | XSM4324CS                       | Lifetime          | Y                   | Y                            | Category 3          |
|  | XSM4324S                        | Lifetime          | Y                   | Y                            | Category 3          |
|  | XSM4348CS                       | Lifetime          | Y                   | Y                            | Category 3          |
|  | XSM4348S                        | Lifetime          | Y                   | Y                            | Category 3          |
|  | XSM4396K0                       | Lifetime          | Y                   | Y                            | Category 4          |
|  | XSM4396K1                       | Lifetime          | Y                   | Y                            | Category 4          |
|  | Fully Managed Switches, Chassis | XCM8903SF         | Lifetime            | Y                            | Y                   |
| XCM8903SK                                  |                                 | Lifetime          | Y                   | Y                            | Category 4          |
| XCM8903SX                                  |                                 | Lifetime          | Y                   | Y                            | Category 4          |
| Stackable Smart Managed Pro Switch Bundles | GS752TSB                        | Lifetime          | Y                   | Y                            | Category 2          |
|  | GS752TPSB                       | Lifetime          | Y                   | Y                            | Category 2          |
| Stackable Smart Managed Pro Switches       | GS728TX                         | Lifetime          | Y                   | Y                            | Category 2          |
|  | GS728TXP                        | Lifetime          | Y                   | Y                            | Category 2          |
|  | GS752TX                         | Lifetime          | Y                   | Y                            | Category 2          |
|  | GS752TXP                        | Lifetime          | Y                   | Y                            | Category 3          |
|  | GS752TXS                        | Lifetime          | Y                   | Y                            | Category 3          |
| Smart Managed Pro Switches                 | FS728TLP                        | Lifetime          | Y                   | N                            | Category 1          |
|  | FS728TP                         | Lifetime          | Y                   | N                            | Category 1          |
|  | GS108T                          | Lifetime          | Y                   | Y                            | Category S1         |
|  | GS110TP                         | Lifetime          | Y                   | Y                            | Category S2         |
|  | GS418TPP                        | Lifetime          | Y                   | Y                            | Category 1          |
|  | GSS10TLP                        | Lifetime          | Y                   | Y                            | Category S2         |
|  | GS510TP                         | Lifetime          | Y                   | Y                            | Category 1          |
|  | GS510TPP                        | Lifetime          | Y                   | Y                            | Category 1          |
|  | GS516TP                         | Lifetime          | Y                   | Y                            | Category 1          |
|  | GS716T                          | Lifetime          | Y                   | Y                            | Category S2         |
|  | GS724T                          | Lifetime          | Y                   | Y                            | Category 1          |
|  | GS724TP                         | Lifetime          | Y                   | Y                            | Category 1          |
|  | GS728TP                         | Lifetime          | Y                   | Y                            | Category 1          |
|  | GS728TPP                        | Lifetime          | Y                   | Y                            | Category 1          |
|  | GS748T                          | Lifetime          | Y                   | Y                            | Category 1          |
|  | GS752TP                         | Lifetime          | Y                   | Y                            | Category 2          |
|  | GS752TPP                        | Lifetime          | Y                   | Y                            | Category 2          |
|  | MS510TX                         | Lifetime          | Y                   | Y                            | Category 2          |
|  | MS510TXPP                       | Lifetime          | Y                   | Y                            | Category 2          |
|  | XS708T                          | Lifetime          | Y                   | Y                            | Category 1          |
|  | XS712T                          | Lifetime          | Y                   | Y                            | Category 2          |
|  | XS716T                          | Lifetime          | Y                   | Y                            | Category 2          |
|  | XS728T                          | Lifetime          | Y                   | Y                            | Category 2          |
|  | XS748T                          | Lifetime          | Y                   | Y                            | Category 3          |

# NETGEAR ProSUPPORT

Availability by Product (continued)

| Category  | Product Family                    | Hardware Warranty | 90-Day Free Support | Lifetime Online Tech Support | ProSUPPORT Category |             |
|---|-----------------------------------|-------------------|---------------------|------------------------------|---------------------|-------------|
| Smart Managed Plus Switches                             | GS105E                            | Lifetime          | Y                   | Y                            | Category S1         |             |
|   | GS105PE                           | Lifetime          | Y                   | Y                            | Category S1         |             |
|   | GS108E                            | Lifetime          | Y                   | Y                            | Category S1         |             |
|   | GS108PE                           | Lifetime          | Y                   | Y                            | Category S1         |             |
|   | GS110EMX                          | Lifetime          | Y                   | Y                            | Category S2         |             |
|   | GS116E                            | Lifetime          | Y                   | Y                            | Category S2         |             |
|   | GS750E                            | Lifetime          | Y                   | Y                            | Category 1          |             |
|   | GS908E                            | 3 Yr              | Y                   | N                            | Category S1         |             |
|   | JGS516PE                          | Lifetime          | Y                   | Y                            | Category S2         |             |
|   | JGS524E                           | Lifetime          | Y                   | Y                            | Category S2         |             |
|   | JGS524PE                          | Lifetime          | Y                   | Y                            | Category S2         |             |
|   | XS512EM                           | Lifetime          | Y                   | Y                            | Category 2          |             |
|   | XS708E                            | Lifetime          | Y                   | Y                            | Category 1          |             |
|   | XS716E                            | Lifetime          | Y                   | Y                            | Category 2          |             |
|   | XS724EM                           | Lifetime          | Y                   | Y                            | Category 2          |             |
|   | Smart Managed Plus Click Switches | GSS108E           | Lifetime            | Y                            | Y                   | Category S1 |
|   |                                   | GSS108EPP         | Lifetime            | Y                            | Y                   | Category S2 |
| GSS116E   |                                   | Lifetime          | Y                   | Y                            | Category S2         |             |
| Easy-Mount Smart Managed Plus Switches                  | GS408EPP                          | Lifetime          | Y                   | Y                            | Category S2         |             |
| Unmanaged Switch  | FS105                             | Lifetime          | Y                   | Y                            | Category S1         |             |
|   | FS108                             | Lifetime          | Y                   | Y                            | Category S1         |             |
|   | FS108P                            | Lifetime          | Y                   | Y                            | Category S1         |             |
|   | FS116                             | Lifetime          | Y                   | Y                            | Category S1         |             |
|   | F116P                             | Lifetime          | Y                   | Y                            | Category S1         |             |
|   | GS105NA                           | Lifetime          | Y                   | Y                            | Category S1         |             |
|   | GS108                             | Lifetime          | Y                   | Y                            | Category S1         |             |
|   | GS108LP                           | Lifetime          | Y                   | Y                            | Category S2         |             |
|   | GS108PP                           | Lifetime          | Y                   | Y                            | Category S2         |             |
|   | GS110MX                           | Lifetime          | Y                   | Y                            | Category S2         |             |
|   | GS116LP                           | Lifetime          | Y                   | Y                            | Category S2         |             |
|   | GS116NA                           | Lifetime          | Y                   | Y                            | Category S2         |             |
|   | GS116PP                           | Lifetime          | Y                   | Y                            | Category S2         |             |
|   | GS305                             | 3 Yr              | Y                   | N                            | Category S1         |             |
|   | GS305P                            | 3 Yr              | Y                   | N                            | Category S1         |             |
|   | GS308                             | 3 Yr              | Y                   | N                            | Category S1         |             |
|   | GS308P                            | 3 Yr              | Y                   | N                            | Category S1         |             |
|   | GS316                             | 3 Yr              | Y                   | N                            | Category S2         |             |
|   | GS324                             | 3 Yr              | Y                   | N                            | Category S2         |             |
|   | GS348                             | 3 Yr              | Y                   | N                            | Category S2         |             |
|   | GS908                             | 3 Yr              | Y                   | N                            | Category S1         |             |
|   | JFS524                            | Lifetime          | Y                   | Y                            | Category S2         |             |
|   | JGS516NA                          | Lifetime          | Y                   | Y                            | Category S2         |             |
|   | JGS524NA                          | Lifetime          | Y                   | Y                            | Category S2         |             |
|   | XS505M                            | Lifetime          | Y                   | Y                            | Category 1          |             |
|   | XS508M                            | Lifetime          | Y                   | Y                            | Category 1          |             |
| Nighthawk Gaming & Streaming Advanced Ethernet Switches | GS808E                            | 3 Yr              | Y                   | N                            | Category S2         |             |
| Nighthawk Pro Gaming Advanced Ethernet Switches         | GS810EMX                          | 3 Yr              | Y                   | N                            | Category 1          |             |



# NETGEAR ProSUPPORT

Availability by Product (continued)

| Category                         | Product Family | Hardware Warranty | 90-Day Free Support | Lifetime Online Tech Support | ProSUPPORT Category |
|----------------------------------|----------------|-------------------|---------------------|------------------------------|---------------------|
| ReadyNAS Desktop                 | RN212          | 5 Yr              | Y                   | N                            | Category 2          |
|                                  | RN214          | 5 Yr              | Y                   | N                            | Category 2          |
|                                  | RN312          | 5 Yr              | Y                   | N                            | Category 2          |
|                                  | RN314          | 5 Yr              | Y                   | N                            | Category 2          |
|                                  | RN316          | 5 Yr              | Y                   | N                            | Category 2          |
|                                  | RN422          | 5 Yr              | Y                   | N                            | Category 2          |
|                                  | RN424          | 5 Yr              | Y                   | N                            | Category 2          |
|                                  | RN426          | 5 Yr              | Y                   | N                            | Category 3          |
|                                  | RN428          | 5 Yr              | Y                   | N                            | Category 3          |
|                                  | RN524X         | 5 Yr              | Y                   | N                            | Category 3          |
|                                  | RN526X         | 5 Yr              | Y                   | N                            | Category 3          |
|                                  | RN528X         | 5 Yr              | Y                   | N                            | Category 3          |
|                                  | RN626X         | 5 Yr              | Y                   | N                            | Category 3          |
|                                  | RN628X         | 5 Yr              | Y                   | N                            | Category 3          |
| ReadyNAS Rackmount               | RR2304         | 5 Yr              | Y                   | N                            | Category 2          |
|                                  | RR2312         | 5 Yr              | Y                   | N                            | Category 3          |
|                                  | RN3138         | 5 Yr              | Y                   | N                            | Category 3          |
|                                  | RR3312         | 5 Yr              | Y                   | N                            | Category 4          |
|                                  | RR4312X        | 5 Yr              | Y                   | N                            | Category 4          |
|                                  | RR4360X        | 5 Yr              | Y                   | N                            | Category 4          |
| ReadyNAS Expansion Chassis       | EDA4000        | 5 Yr              | N                   | N                            | Category 4          |
| WiFi Systems - Orbi              | RBS50Y         | 5 Yr              | Y                   | Y                            | Category S2         |
|                                  | SRK60          | 5 Yr              | Y                   | Y                            | Category 1          |
|                                  | SRS60          | 5 Yr              | Y                   | Y                            | Category 1          |
| Wireless 802.11 ac Access Points | WAC104         | 3 Yr              | Y                   | N                            | Category S1         |
|                                  | WAC120         | 3 Yr              | Y                   | N                            | Category S1         |
|                                  | WAC505         | 5 Yr              | Y                   | N                            | Category S1         |
|                                  | WAC510         | 5 Yr              | Y                   | N                            | Category S2         |
|                                  | WAC720         | Lifetime          | Y                   | Y                            | Category 1          |
|                                  | WAC730         | Lifetime          | Y                   | Y                            | Category 1          |
| Wireless Access Points           | WAC740         | Lifetime          | Y                   | Y                            | Category 1          |
|                                  | WNAP210        | Lifetime          | Y                   | Y                            | Category S2         |
|                                  | WNAP320        | Lifetime          | Y                   | Y                            | Category 1          |
|                                  | WND930         | 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                   |                     |
| Wireless Management Systems      | WC7520         | Lifetime          | Y                   | Y                            | Category 1          |
|                                  | WC7520SKT      | Lifetime          | Y                   | Y                            | Category 1          |
| VPN Firewalls and Routers        | FVS318G        | Lifetime          | Y                   | Y                            | Category 1          |
|                                  | FVS318N        | Lifetime          | Y                   | Y                            | Category 1          |
|                                  | FVS318NA       | Lifetime          | Y                   | Y                            | Category 1          |
|                                  | FVS336G        | Lifetime          | Y                   | Y                            | Category 1          |
|                                  | SRX5308        | Lifetime          | Y                   | Y                            | Category 1          |
|                                  | BR500          | 5-year            | Y                   | N                            | Category 1          |



CONNECTED HOME PRODUCTS



## CONNECT YOUR NETWORK WITH STYLE

Gone are the days of flashing LED lights, tangled cables, and bulky design. With NETGEAR "Lifestyle" 900 series switches, you get a user-friendly switch crafted with your modern home in mind. Their stylish and thoughtful design eliminates the unsightly tangle of cables, distracting lights and fan noise, enabling these new switches to be proudly displayed in full view for all to see.

Their built-in cable organizer and Port LED ON/OFF button keep your environment quiet and clean, and their direct wired Ethernet connects your home to your smart TV, gaming console, streaming video player (Apple TV, Fire TV, Roku, etc.), NAS storage drive, IP camera, and security systems with speed and style.

The GS908E is also a USB charging station. USB ports are conveniently placed on the back of the GS908E to allow you to charge your smartphone and tablet. With 2A support per port you will be able to charge your devices faster than ever. Moreover the 20W maximum power budget and the 10W per port support will assure that you can charge two Tablets or power-hungry devices at the same time.

Discover the industry's first consumer-friendly switch with integrated cable management.



|                              | GS908             | GS908E                          |
|------------------------------|-------------------|---------------------------------|
| Typical Use                  | Home and Business | Home and Business               |
| # of Gigabit Ports           | 8                 | 8                               |
| Cable Management             | ✓                 | ✓                               |
| Port & Power Port LED On/Off | ✓                 | ✓                               |
| USB Charging Ports           | 0                 | 2                               |
| Management                   | Unmanaged         | Mobile Web Optimized Management |
| Auto-Diagnostic LED          |                   | ✓                               |

Learn More: [www.netgear.com/lifestyle-switch](http://www.netgear.com/lifestyle-switch)



## NIGHTHAWK® Advance the way you WiFi

NETGEAR Nighthawk brand is known for the most advanced, high-performance WiFi technology and home networking products of its time. Nighthawk products are full-featured, customizable home networking solutions with advanced utility well beyond just Internet connectivity. Innovation with cutting edge WiFi and networking technology are hallmarks to NETGEAR Nighthawk.

From the world's fastest WiFi routers and mobile routers, to next generation WiFi range extenders, cable and DSL modem routers, WiFi adapters and network switches, Nighthawk products stand out on speed, performance,

and reliability. Using the fastest dual and quad-core processors available, Nighthawk breaks network speed barriers with innovative WiFi technology and wired connectivity. The Nighthawk WiFi routers and extenders offer reliable coverage throughout very large homes with the capability to support the latest connected devices for the smart home.

Nighthawk WiFi products' iconic looks, powerful antennas and elegant LED displays have won internationally recognized awards for excellence in product design.

| Advanced features   |
|---|
| The fastest available 802.11ac and 802.11ad WiFi speeds   |
| High-end processors for optimized performance   |
| Feature-rich products with technologies such as Dynamic QoS, Beamforming+, FastLane, VPN, and Smart Connect |
| Gigabit Ethernet ports for faster file sharing and transfers  |
| Port aggregation to improve the aggregated file transfer speed  |
| USB 3.0 ports for backup and easy access to your stored media   |
| High-performance antennas for better WiFi coverage and faster speeds  |

|   |
|---|
| Nighthawk solutions are the most customizable home networking solutions with advanced utility well beyond just Internet connectivity. The latest software integrations include: |
| PLEX integration  |
| ReadySHARE USB  |
| ReadySHARE Vault  |
| Circle with Disney Smart Parental Controls  |
| Voice Control using Amazon Alexa and the Google Assistant   |
| Kwilt for photo sharing   |

Learn more: [www.netgear.com/nighthawk](http://www.netgear.com/nighthawk)



## ORBI™ WHOLE HOME MESH WIFI SYSTEMS

Enjoy one WiFi name and seamless roaming for your entire home.  
Better WiFi. Everywhere.

Orbi WiFi Systems are designed for a broad range of home environments, from apartments and lofts to single family homes and sprawling estates. Orbi WiFi Systems come with an Orbi WiFi Router and Satellite to deliver unparalleled WiFi coverage throughout your whole home, even in your basement or backyard. Innovative Tri-band WiFi ensures you enjoy the top Internet speeds you pay for everywhere in your home.

Orbi WiFi Systems deliver industry-leading 802.11ac 3Gbps and 2.2Gbps WiFi speeds with reliable whole home coverage, so you can enjoy seamless WiFi everywhere in your home and around your property with Orbi Outdoor satellite, without dead zones – from the attic to the basement, patio to garage, front yard to back garden – even while streaming 4K HD video content or other bandwidth-gobbling multimedia.

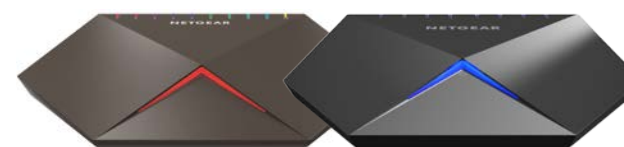
Now, the Orbi WiFi lineup also includes Orbi Voice Mesh WiFi System, that includes a WiFi router and Orbi Voice smart speaker and WiFi satellite with built-in Amazon Alexa and high-quality Harman Kardon audio. Experience better WiFi and sound, everywhere.

Easily expand and extend WiFi coverage with additional satellites, indoors or out. Additional wall-plug form factor for Orbi provides more choice of style and flexibility of placement in common areas such as hallways and kitchens.

Setup separate and secure internet access for guests. Orbi works with Amazon Alexa and the Google Assistant so you can control your home network using voice commands. Installation is a breeze, use the Orbi app to setup your whole home mesh WiFi in minutes.

Learn more: [www.netgear.com/orbi](http://www.netgear.com/orbi)

## AWARD-WINNING HOME NETWORKING PRODUCTS



### Nighthawk Pro Gaming Switches

The NETGEAR Nighthawk Pro Gaming Ethernet switches are versatile, ultra-performance, easily configurable network switches designed for expert gaming, 4K UHD media streaming, and home network connectivity.

Their sleek and modern design make them the perfect for any modern home or small office. The Nighthawk Switches bring low latency, traffic and port prioritization, and Quality of Service (QoS) management at the click of a button for ultra-high performance in high-demanding online/VR gaming and media streaming.

Learn more: [www.netgear.com/npg](http://www.netgear.com/npg)



### Mobile Routers (Portable WiFi)

Get fast streaming with advanced mobile WiFi. NETGEAR Mobile Routers elevate the mobile WiFi experience for your business and your teams. Fast speed for downloading, streaming and media sharing - everything you do at the office, can now be done virtually anywhere you go. Mobile Routers offer fast download speeds, dual concurrent WiFi bands, a long lasting battery, and simply a powerful mobile WiFi performance that you cannot find from other mobile hotspot devices.

Learn more: <http://www.netgear.com/home/products/mobile-broadband/mobilerouters/>



### Cable Modems

With the latest NETGEAR cable modems, get the fastest Internet speeds cable providers are offering. One of the latest in the family is CM1000 DOCSIS® 3.1 cable modem, which is the world's first retail DOCSIS 3.1 Cable Modem certified for XFINITY® by Comcast. This new Cable technology delights consumers with gigabit Internet speeds.

Learn more: <http://www.netgear.com/docsis-3.1>



### DSL Modems and Modem Routers

NETGEAR offers a wide range of innovative DSL modem and modem routers. More homes now have multiple devices requiring strong, steady WiFi signals. NETGEAR DSL modems and modem routers are compatible with DSL service providers to meet every type of home networking need.

Learn more: <http://www.netgear.com/home/products/networking/dsl-modems-routers/>