NETGEAR®
BUSINESS

NETGEAR, Inc
408.907.8000
350 E. Plumeria Drive
San Jose, California 95134

Tel: 866-480-2112 Option 2
www.netgear.com/business
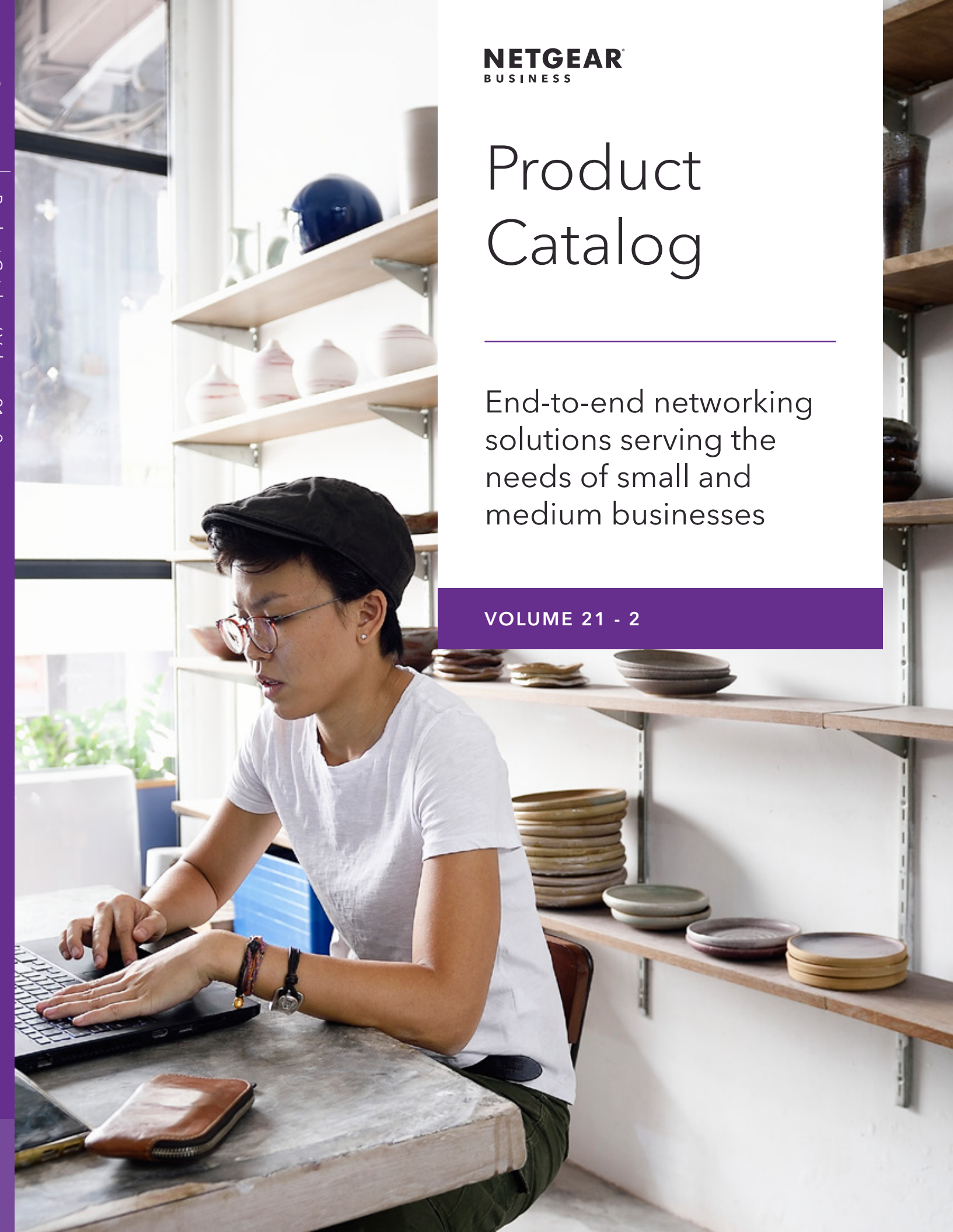
Follow us on:

in Linkedin.com/company/netgear
f Facebook.com/NetgearBiz/

NETGEAR®
BUSINESS

Product Catalog

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

VOLUME 21 - 2

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   AV-over-IP, SDVoE 48/96p, 10G switch

2019   First Business Instant Mesh WiFi

       First NETGEAR 100G switches

2020   First Ultra60 PoE++ Smart Pro switches

       First Cloud managed point-to-point bridge

       First Business WiFi 6 AX6000 Tri-band WiFi System

       Pre-configured switches engineered for AV over IP

NETGEAR®
BUSINESS

DESIGNED WITH YOUR BUSINESS IN MIND

NETGEAR has pioneered advanced networking technologies for homes, businesses, and service providers around the world.

Since 1996, we've led the industry with a broad range of award-winning products designed to simplify and improve people's lives.

We are dedicated to empowering our customers to collaborate and connect to a world of information by enhancing homes and powering businesses with an unmatched line of the innovative, intelligent, and easy to use WiFi and networking solutions.

Breaking boundaries to power the future.

Patrick Lo

NETGEAR CEO and Co-founder

When we were a startup, 25 years ago, we built our very first hub. We created it to help power the future. To open doors we had only dreamt about. We began to imagine homes without wires or boundaries. Business networking without walls or barriers. Tools and services that make what matters most more secure, scalable, and enjoyable to use. And we built what we imagined.

It earned us awards, a reputation, and respect as a trusted leader in connectivity.

TABLE OF CONTENTS
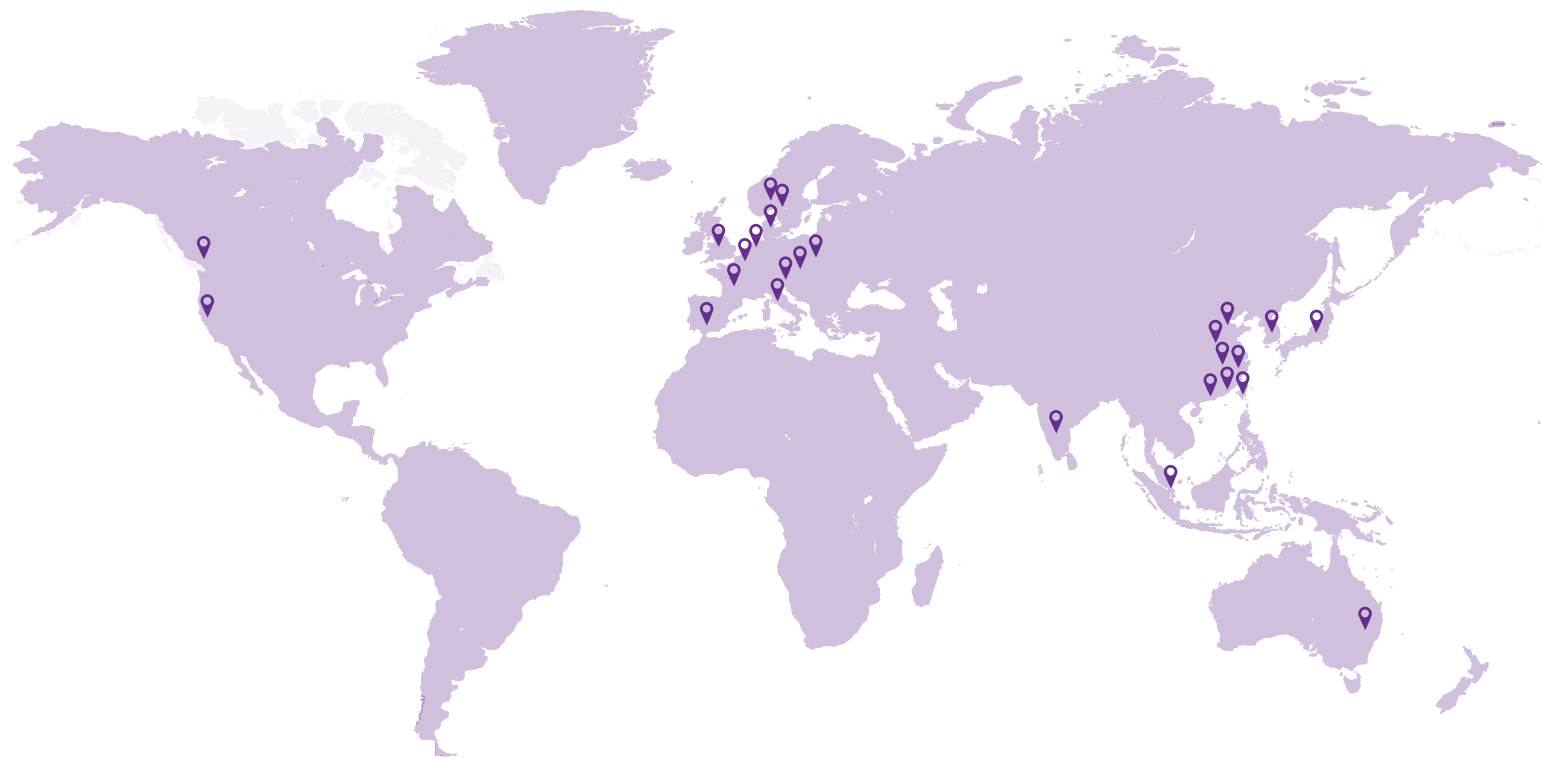
NETGEAR GLOBAL OFFICES

NORTH AMERICA   INDIA

AUSTRALIA   IRELAND

BELGUIM   ITALY

CANADA   JAPAN

CHINA - BEIJING   KOREA

CHINA - DONGGUAN   NETHERLANDS

CHINA - GUANGZHOU   POLAND

CHINA - NANJING   SINGAPORE

CHINA - SHANGHAI   SWITZERLAND

CHINA - SUZHOU   SPAIN

DENMARK   SWEDEN

FRANCE   TAIWAN

GERMANY   UK

HONG KONG

Enterprise-class networking for SMB at the right price

NETGEAR has pioneered advanced networking technologies for homes, businesses, and service providers around the world. Since 1996, we've led the industry with a broad range of award-winning products designed to simplify and improve people's lives.

We are dedicated to empowering our customers to collaborate and connect to a world of information by enhancing homes and powering businesses with an unmatched line of the innovative, intelligent, and easy to use WiFi and networking solutions.
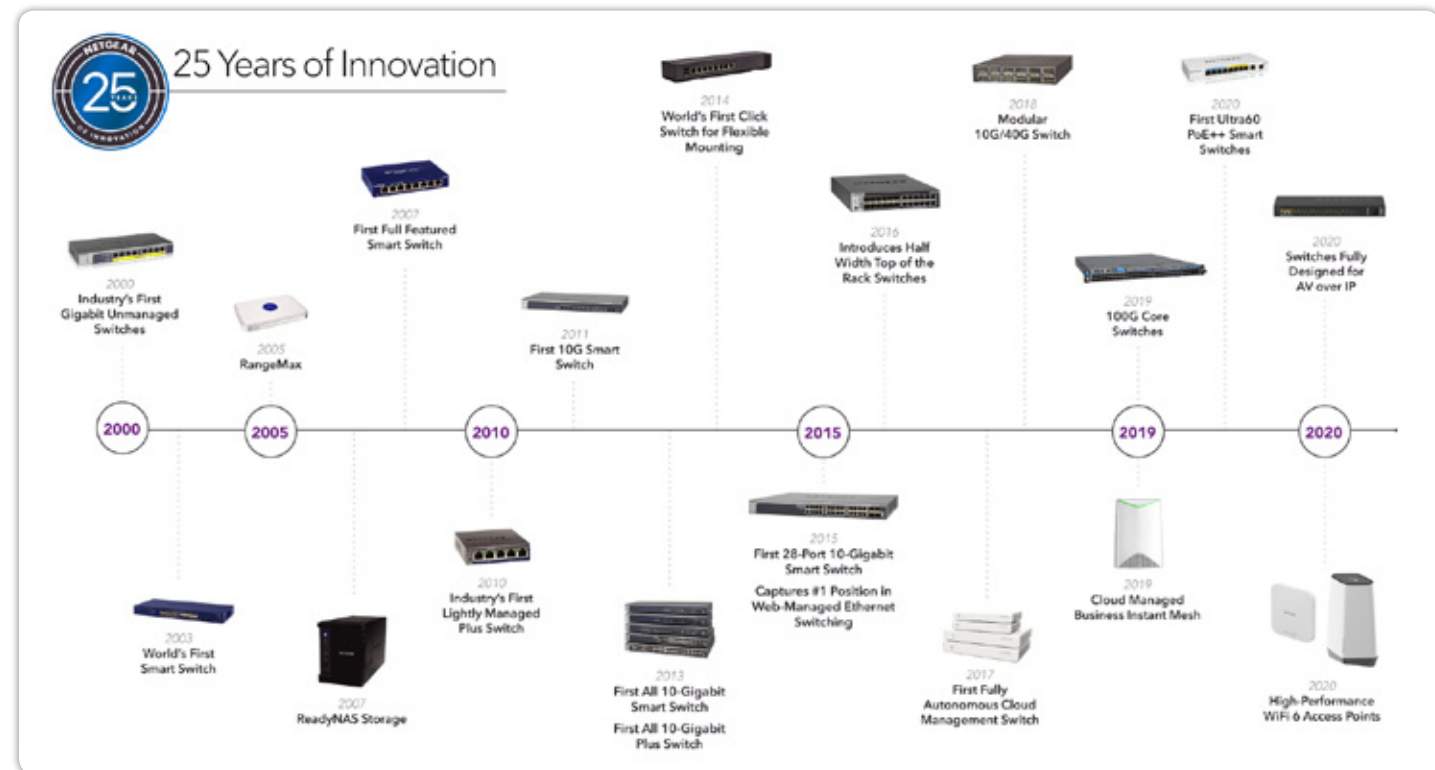
Brand Promise

Powerful connectivity to maximize your productivity, profitability and potential.

Industry-leading innovation   Easy to use   Modern & affordable

INDUSTRY-LEADING EFFICIENT NETWORKING

Flip the switch on costly problems.

From entry-level essentials to fully integrated cloud-managed switches, NETGEAR leads the way by offering the most innovative, comprehensive, scalable, and affordable switching portfolio to fit every business need.

Powerful WiFi with ease.

Cover your growing business with secure, reliable, and blazing fast WiFi. From simple, affordable, DIY WiFi to large, industrial areas, NETGEAR Business' robust line of Wireless products will maximize any network's potential.

Defend your data.

This is a data-driven world. All companies use data for different aspects of their business. Without 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 affordable, but highly scalable with enterprise class reliability and security.

See your network in a whole new way.

NETGEAR is removing the headaches and hassles of IT with the broadest, most cost-effective, and easily scalable network-deployment solution available for businesses. Insight puts a complete, unified network in the palm of your hand. It delivers peace of mind, knowing you can always monitor and control your network devices with ease... anytime, anywhere.

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

Connection Setup

Physical Connection

Management Connection

Offsite Location

ReadyNAS 424 Network Storage

Insight Cloud Management

INTERNET

NETGEAR

Wireless LAN

ReadyDR

Orbi Pro Satellite

NETGEAR

Orbi Pro WiFi 6

ReadyNAS Network Storage

FastLane3 Dedicated Wireless Backhaul

NETGEAR

Insight Managed Smart Cloud PoE+ Switch

NETGEAR

Wired LAN

PoE IP Surveillance Camera
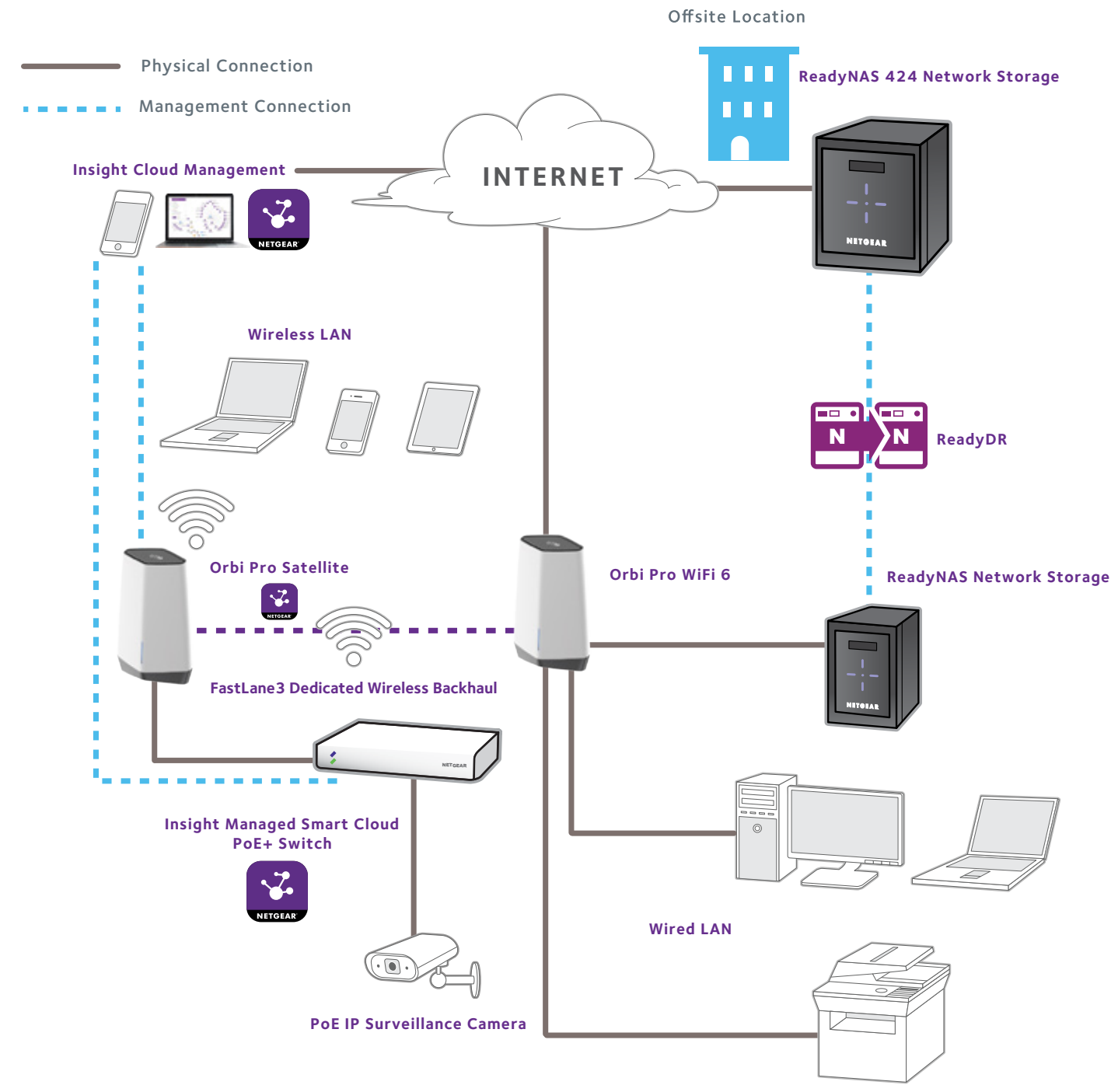
WIRED SOLUTION INSIGHT, 5-150 USERS

Connection Setup

Physical Connection

Management Connection

Insight Cloud Management

INTERNET

NETGEAR

Offsite Location

ReadyNAS Network Storage

Firewall

ReadyDR

ProSAFE 10G Smart Switch

Insight Managed Smart Cloud PoE+ Switch

ReadyNAS Network Storage

PoE Powered Devices

PoE

Insight Mobile app

NETGEAR

Insight Managed Smart Cloud AC Wireless APs
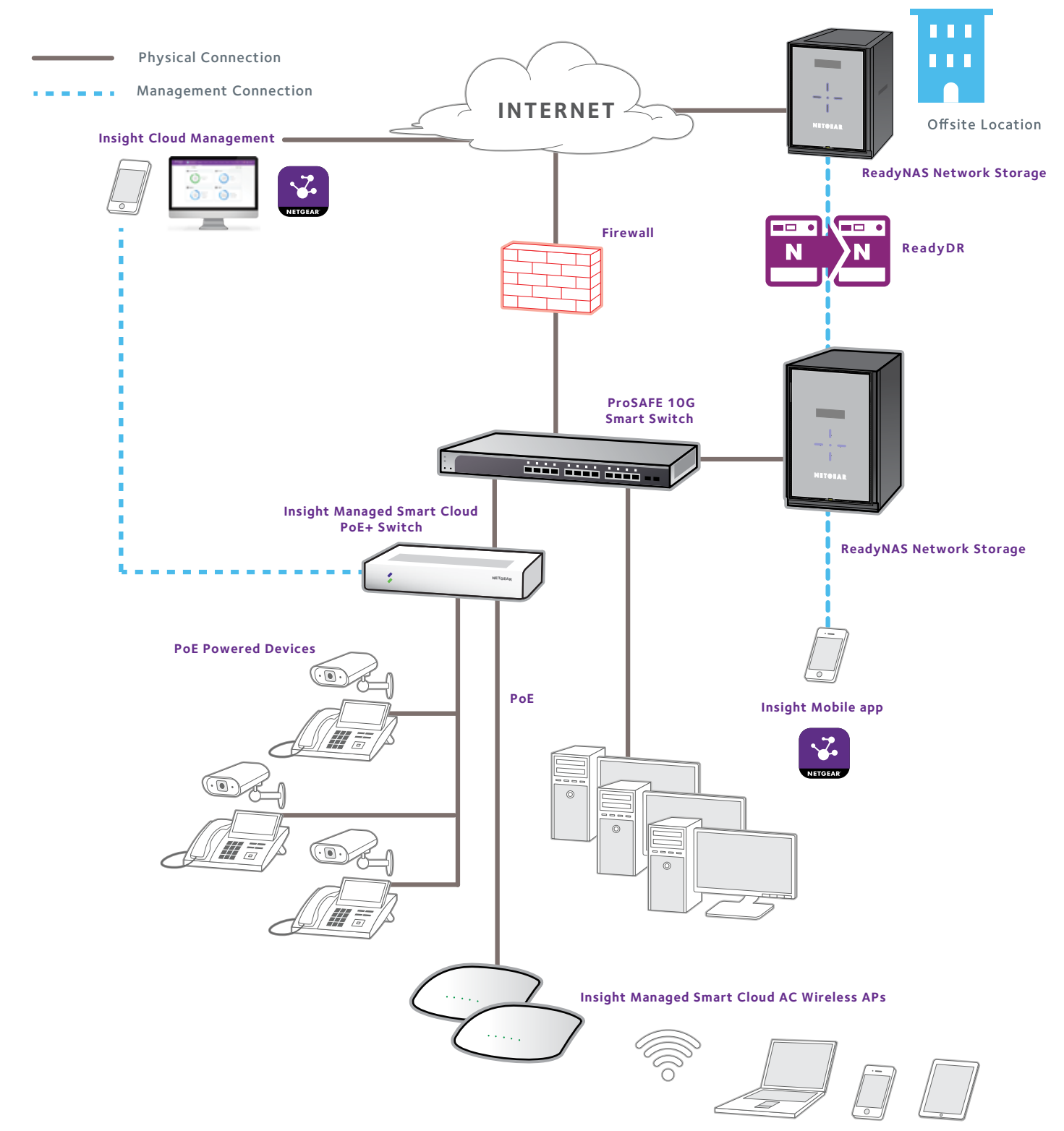
NETWORK SOLUTION FOR A GROWING MID-SIZE BUSINESS, 75-250 + USERS

Connection Setup

Physical Connection

Management Connection

Offsite Location

ReadyNAS Network Storage

INTERNET

Firewall

ReadyDR

Content Security Appliance

ReadyNAS Network Storage

M4300-96X

M4300 Managed 10 Gigabit Switch

Multi-Gigabit Managed PoE+ Switch

Stackable Managed Switch

Multi-Gigabit Smart Managed PoE+ Switch

Wireless Controller

Wave 2 Wireless-AC Access Point

Wave 2 Wireless-AC Access Point

NETGEAR Insight Management Solution

CENTRALIZED 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, and remotely monitor and manage them with the ease, simplicity and intuitiveness on both a mobile app or a Cloud portal, anytime, anywhere. Best yet NETGEAR Insight does this without requiring businesses to purchase and install additional management hardware or software.

NETGEAR Insight enables multi-location, multi-device configuration of your NETGEAR Insight Managed switches (Smart Cloud and Smart switches with Cloud management), 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 2 subscription plans, Insight Premium for small business with one or more network locations, and Insight Pro for managed Service Provides, VARs and distributed mid-size business. Insight now manages an ecosystem of networking devices, most of which come with 1-year Insight included.

For more information on the Insight subscription plans, a list of Insight-manageable devices, and those that include 1-year of Insight subscription, go to www.netgear.com/insight

Your Network. Anytime. Anywhere.

Cloud portal available with the Insight Premium and Pro subscriptions. See www.netgear.com/insight for details.
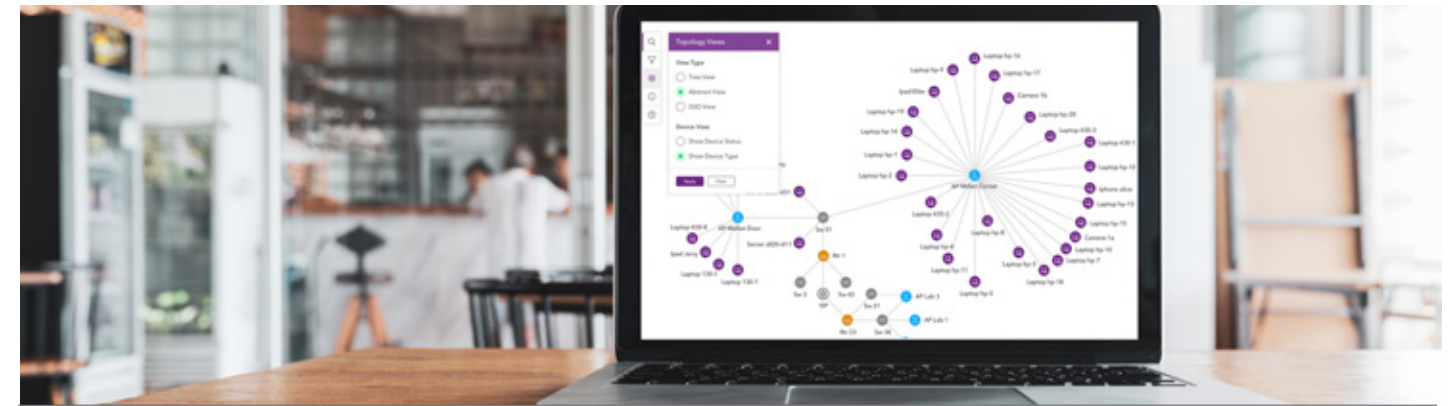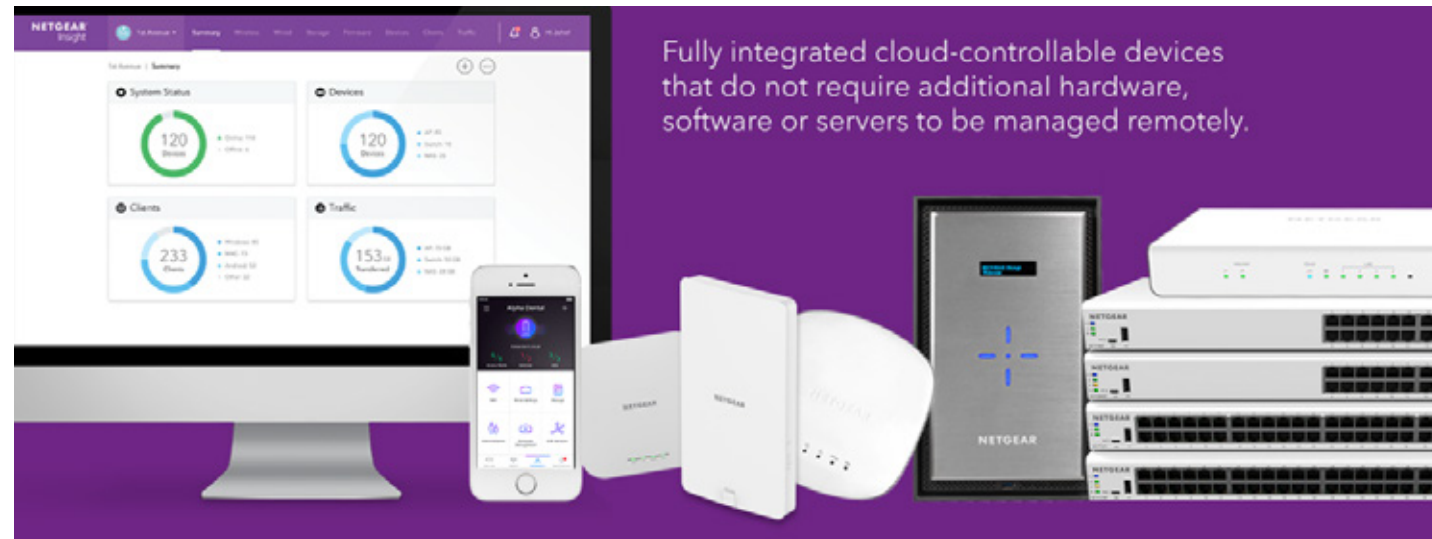
COMPATIBILITY TABLE

NETGEAR INSIGHT	SET-UP	MANAGE	MONITOR	DISCOVER	REGISTER
Smart Cloud and Smart Switches with Cloud option	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 Router & Satellites	X	X	X	X	X
ReadyNAS (except 100 series)		X	X	X	X
Plus Switches			X	X	X
Smart Switches			X	X	X
WAC700 Series				X	X
WAC100 Series				X	X
Fully Managed Switches					X
Unmanaged Switches					X
ReadyNAS 100 Series					X

PRODUCT	NETGEAR INSIGHT	
Features	Full Network Discovery	• Discovery of select NETGEAR network devices - Access Point, Switch, Storage and VPN Router
		• Discovery and setup of the NETGEAR Insight Managed network devices
		• Multi-device monitoring dashboard
		• NETGEAR Smart Switch Discovery, registration and IP address Management
		• Visibility into WiFi clients
	Setup And Installation Of Insight Managed Devices	• Easy device discovery via WiFi network discovery or QR /bar code scanning
		• Insight Instant mesh setup with the WAC540
		• Orbi Pro Router & Satellite manageable by Insight
		• Setup Insight Managed Wireless Access Points in router or AP mode
		• Set rate limits for upload and download of Insight Managed Wireless APs and Smart Cloud Switches (across both wired and wireless networks)
		• Setup Insight Managed Smart Cloud and select Smart switch advanced switching features including VLANs, LAGs, Radius Authentication, PoE and SNMP
		• Auto-join and configure (zero-touch deployment) of additional Insight Managed devices
	Full Monitoring Of Insight Managed Devices	• Device Status Dashboards across wired and wireless networks
		• Device status (Connected, Not reachable, Up time, Firmware version)
		• Detailed logs of device activity
		• Email and push notifications
		• Data usage monitoring
	Complete Management Of Insight Managed Devices	• Device discovery across full wireless and wired network
		• Secure remote user management
		• Create up to 3 site-to-site secure connection
		• Guest WiFi/Captive Portal
		• Firmware upgrade and device reboot
		• Define URL filtering for wireless AP
		• 802.1x Radius Authentication
		• VLAN, LAG, QoS, ACLs, and advanced PoE management and SNMP settings
		• Smart WiFi management (with Premium or Pro management subscription)
		• WiFi Fast Roaming (with Premium or Pro management subscription)
		• PoE scheduler (with Premium or Pro management subscription)
		• RTP/RSTP/MSTP support (with Premium or Pro management subscription)
		• Extend your WiFi further out with Insight Instant Mesh
		• Extend out even further for outdoors wireless coverage with AirBridge with Insight management
		• Network-Level Config & Cloning (with Premium or Pro management subscription)
	Multi-locations	• Easily create and manage multiple locations from a single pane-of-glass
		• Add and configure devices in each network
		• Monitor across all locations from anywhere
		• Single-flow multi-location creation
	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)
	High-Density Wireless	• High-density WiFi with advanced roaming and loading balance
	Topology Viewer	• Topology maps with various views for better visibility and troubleshooting

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.

Fully integrated cloud-controllable devices that do not require additional hardware, software or servers to be managed remotely.

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

Automated deployment & updates

- Firmware updates scheduling
- PoE Scheduling
- Network-level setting Save & Copy for speedy deployment of new network locations

Remote provisioning

- Centralized device configuration
- PoE & port configuration
- Instant VPN to linkup branch offices and multi-sites and provide employees secure remote access

WiFi roaming & capabilities

- Instant mesh setup for Access Points
- Instant WiFi
- Fast roaming & security
- Captive portal

Easy configuration & management

- VLANs, LAGs, PoE, SNMP
- WiFi configuration
- Branded automated Custom Reporting specifically tailored for both internal users and end-customers
- Network Cloning

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).
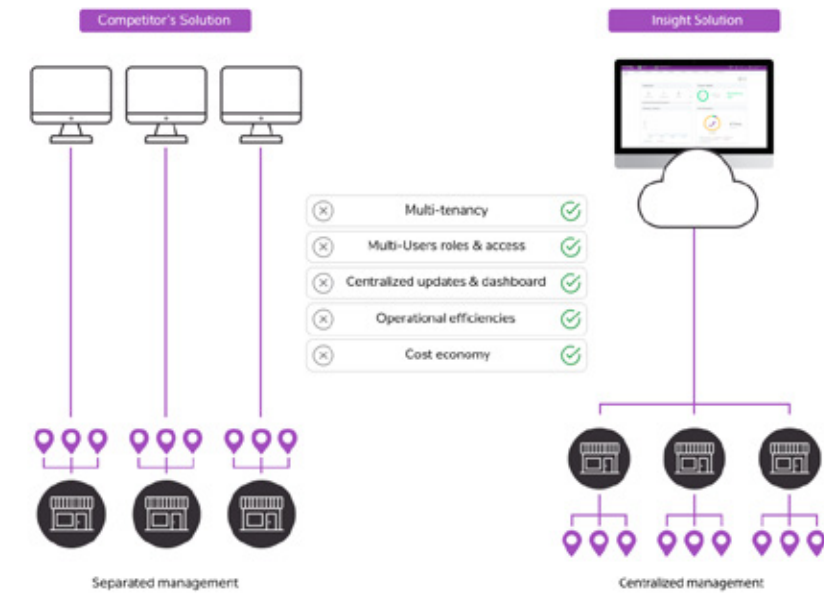
MOVE TO A PROFITABLE RECURRING REVENUE MODEL

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 & Replicate 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
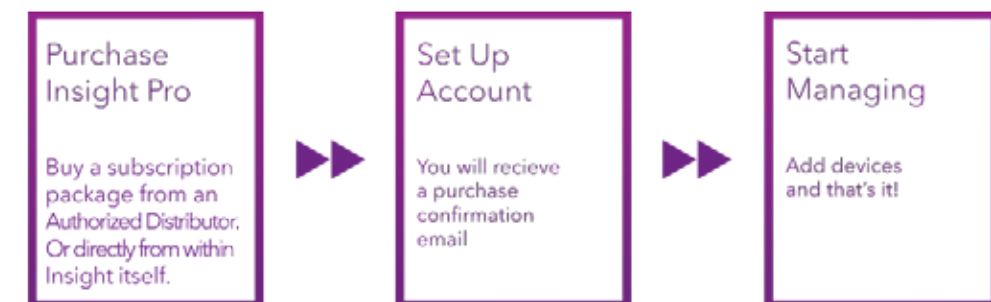
NETGEAR INSIGHT SERVICES

NETGEAR Insight is your gateway to easy setup, configuring, monitoring and management of your wired and wireless networks. Get 24/7 access, visibility and control of all your networks. Further enhance your network management with NETGEAR Insight advanced services covering guest Wi-Fi, and security. Get the most of your network in the simplest and fastest way with NETGEAR Insight add-on services.

NETGEAR INSTANT CAPTIVE PORTAL

According to consumer surveys, consumers expect WiFi access at any businesses where they spend over two minutes waiting for service. In exchange of providing free WiFi service, businesses can receive commercial value for owning customer information and having the ability to communicate and engage with customers directly with Instant Captive Portal.

Instant Captive Portal is an organized portal that enhances the business image, credibility and status, and thereby increase the registration and usage rate of the business' "public WiFi". Instant Captive Portal gives maximum flexibility to the business owners to customize the splash pages, based on their business characteristics and the desired outcome of the customer interaction through captive portal and receive real-time visitor data and analytic insights including name, email, demographic info, frequency of visits, etc.
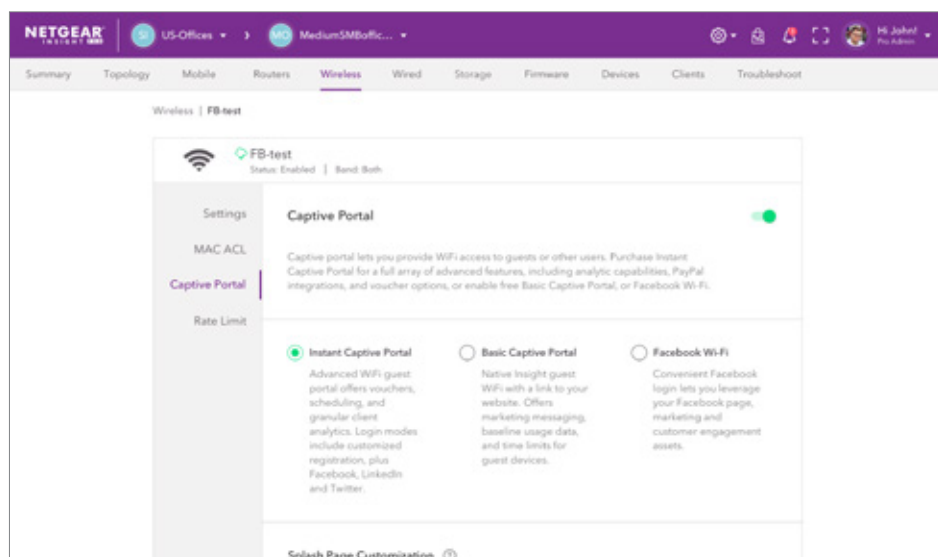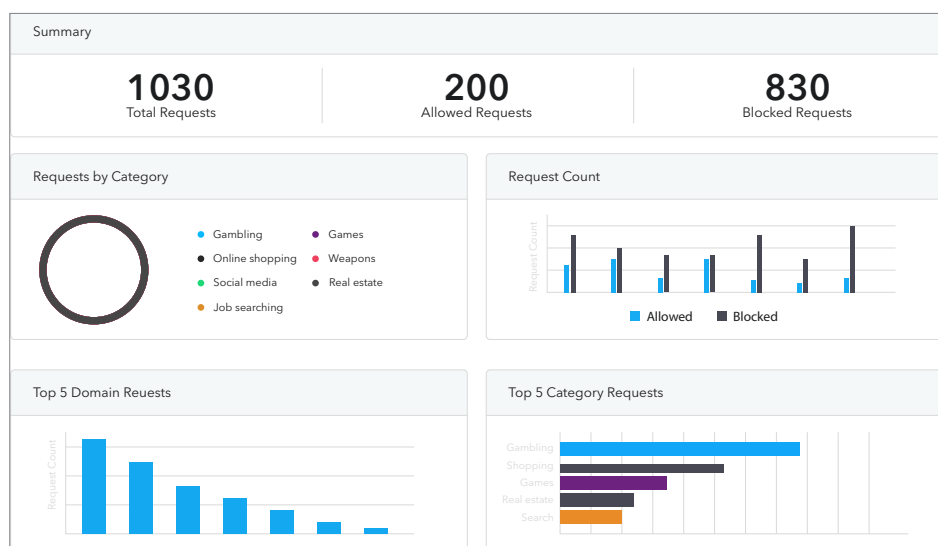
NETGEAR INSIGHT CONTENT FILTERING

With over 1 billion websites live all around the world, SMBs are forced to face increasing threats from the Internet. SMBs have higher potential to experience loss of business-critical information and employee productivity caused by malicious websites, spyware, online retail sites, etc.

Eliminate the risk of losing business-critical data with Insight Content Filtering on Orbi Pro (SRK60) and Orbi Pro WiFi 6 (SXK80). NETGEAR Insight Content Filtering, powered by RaGaPa, includes the capability to block access to undesirable and malicious websites that may decrease work efficiency and be a threat to wired and wireless networks. Content filtering features include predefined categories, flexible filtering policy configuration and more.

Not only SMBs benefit from Content Filtering; work-from-home and home users can also protect their home network from any threats as well as restrict unfavorable content from family members and children.

Surveillance

16
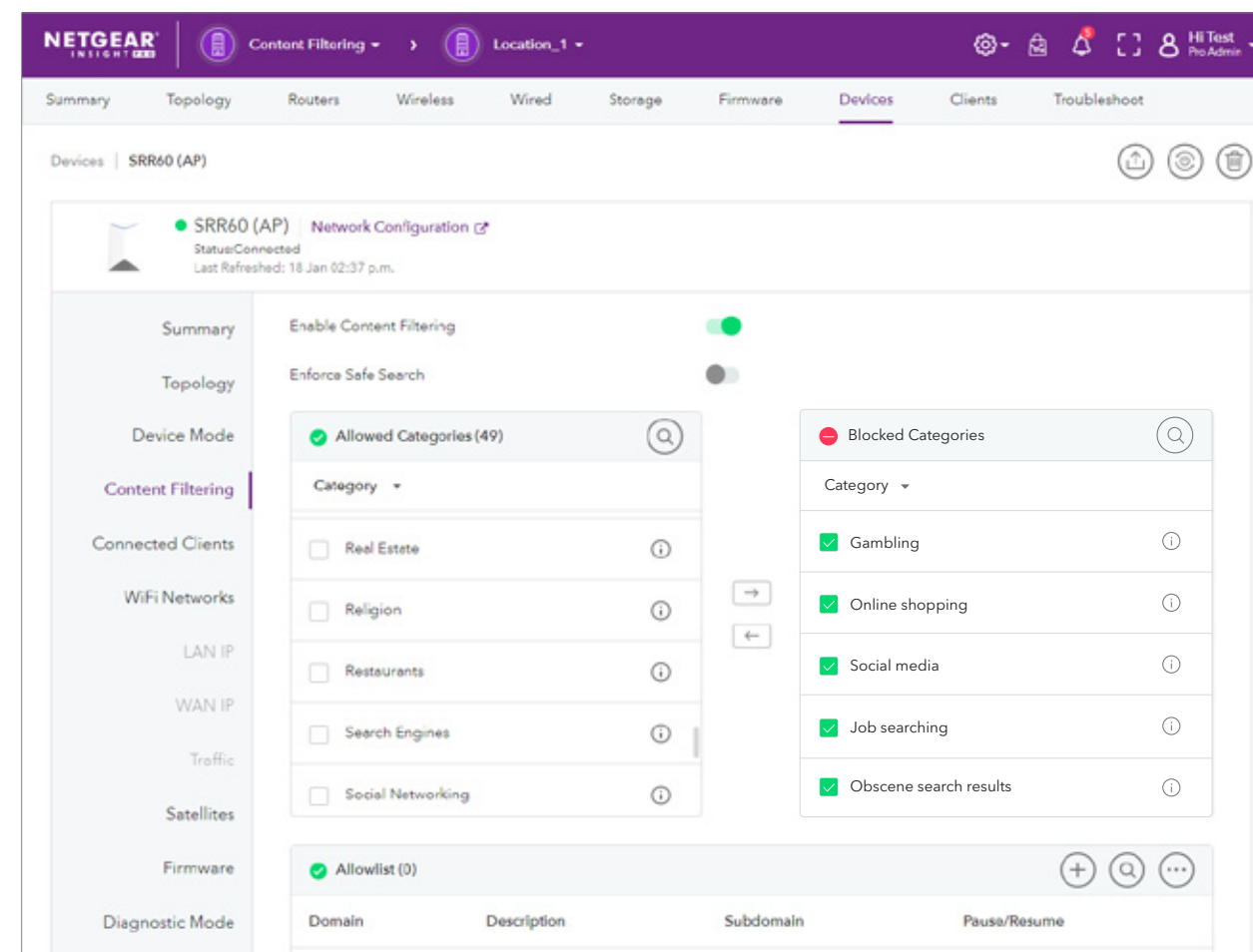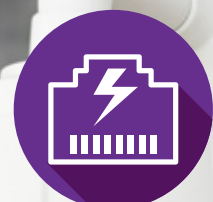
Building a Network Infrastructure for Robust IP Video Surveillance
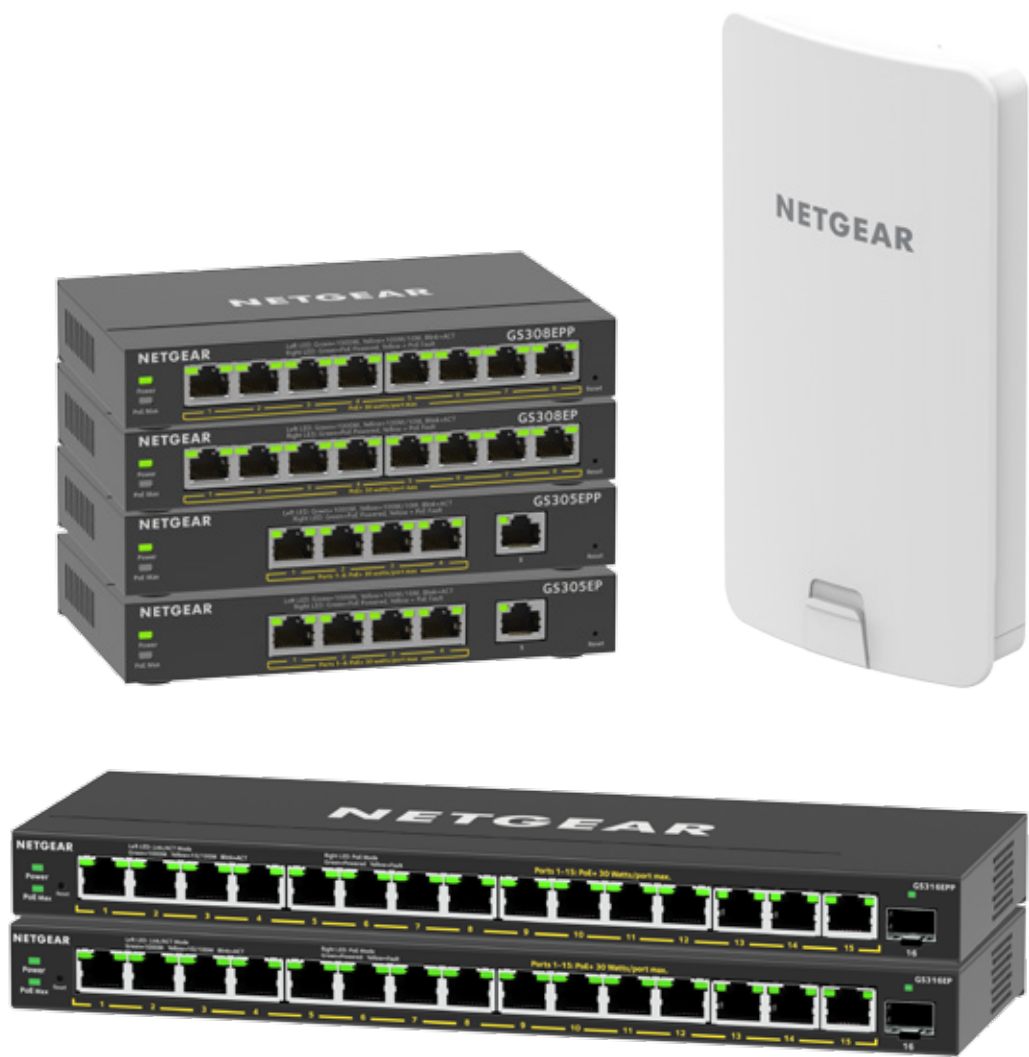
Video surveillance based on digital IP technology has revolutionized the physical security industry. The network is the critical infrastructure in any surveillance installation that enables all the other surveillance functions – transmitting video streams to be viewed, managed and stored as well as carrying power to the cameras using Power over Ethernet (PoE).

Existing networks often lack manageability and serviceability. Such "dark" networks make maintenance and service expensive while predicting and budgeting for network expansion become impossible. NETGEAR is here to help make your IP surveillance network intelligent and still be within your budget.

Factors such as transmission modes and video compression methods can have a significant effect on bandwidth requirements and cost.

NETGEAR understands these needs and provides a range of products with capabilities that match your requirements – the right products at the right price.

How to have a successful surveillance network

Adequate bandwidth – allow enough bandwidth for high quality footage capture

Resilience – provide a secondary power source in case of power failure

Security – prevention from digital and physical hacking

Considerations when building an IP surveillance network:

Surveillance Requirements

Camera Requirements
- Bandwidth Requirements → Switches Video Servers Storage
- Power Requirements → PoE or PoE+ vs Direct Connect

Network Requirements
- Connectivity Requirements → Outdoor vs Indoor / Wireless vs Wired

17
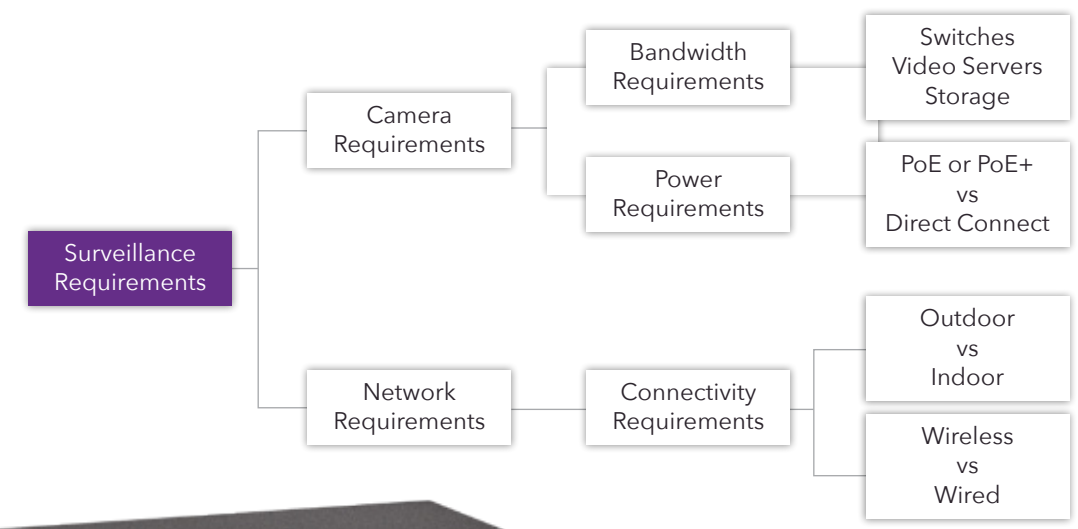
Largest portfolio of Power over Ethernet (PoE) switches

Power over Ethernet (PoE) provides power and network connectivity for PoE-powered devices over a single network cable. It's a 2 in 1 solution, so you don't have to worry about placing your devices next to a power outlet.

Great NETGEAR PoE Switch features for surveillance[1]

1. Fanless and whisper-quiet fan designs
2. Desktop, wall mount and rackmount options
3. L3 Lite static routing
4. Management and video network segregation (VLANs, trunking)
5. MAC-based blocked/unblocked lists
6. Support for pre-IEEE standards
7. Exclusive FlexPoE to increase PoE budget by adding larger PSU
8. Advanced controls per port:
   - PoE on/off and power cycle (one-button)
   - PoE budget controls
   - PoE scheduling
   - PoE power auto-balance to dynamically allocate PoE power
   - Uninterrupted PoE during firmware update or software reboot
9. Market-leading warranty and expert support

[1] Features vary by model

LOWER INFRASTRUCTURE AND INSTALLATION COSTS
Fewer, separate power adapters are needed and only one cable run is required rather than two.

NO NEED FOR ELECTRICIANS
Uses existing IT networking infrastructure.

OVERCOMES HARD TO WIRE ENVIRONMENTS
Including old or 'protected' buildings.

CENTRALIZED CONTROL
Manage power to devices from a centralized switch. Power down/up devices as required for energy and cost savings.

EXTENDS WIRED AND WIRELESS NETWORK REACH
Not limited to fixed power outlet placements.

RELIABILITY
Redundant Power Supply (RPS) backup options helps keep devices running even in the event of a power outage. Important for business critical services, such as IP Cameras.

Insight remote management solution option

Insight offers plug-and-play setup and management of your business network, using an easy-to-use mobile app or a cloud web portal. The Insight platform allows any business owner or IT professional to discover and setup their NETGEAR devices, and monitor or manage their network, easily. The intuitive mobile app and web interface cover a variety of configuration options and network situations.

Insight Features for Surveillance

- Cloud-based remote management from web and mobile
- Remote device configuration
- Wireless and wired network setup
- Continuous monitoring & alerting of network and device issues
- 24/7 visibility and control
- Easy firmware management, including automated scheduling
- Remote troubleshooting and in-app access to help and support
- Per port PoE enable/disable & scheduling
- Multi-location, multi-site, multi-role
- Secured over the cloud
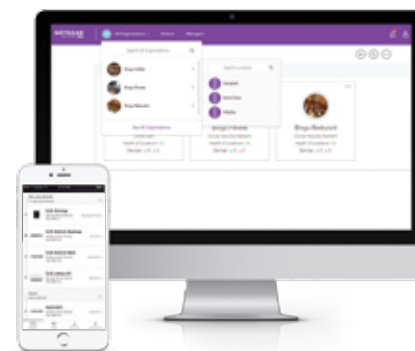
www.netgear.com/insight

NETGEAR Wireless AirBridge

NETGEAR Insight Instant Wireless AirBridge is a point-to-point or point-to-multipoint wireless bridge for long distance Outdoor WiFi range up to 9000ft (3km). NETGEAR AirBridge delivers 500Mbps at 500ft (166m) distance at line-of-sight and supports the latest 5GHz 802.11ac WiFi technology. It enables point-to-point network expansion from the master site to one or more satellite sites. Multiple AirBridge units can be combined in a point-to-point mode covering an even greater distance.

NETGEAR AirBridge can also connect to an existing Wireless Router or Access Point for IP camera connectivity. In this case, the user connects the AirBridge to the Main site as a WiFi client. The AirBridge is located either indoor or outdoor, away from the Main Site. The IP Camera connects to the AirBridge through the Ethernet port. This mode is available through the local standalone management mode only.

Use case: Long-range and outdoor video surveillance

Main Site
1. Router with wired internet connection
2. AirBridge master
3. Surveillance video management server & database
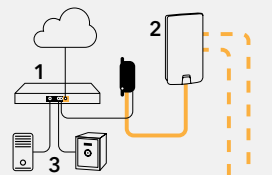
Remote Sites
4. AirBridge satellite
5. Switch for multiple PTZ camera connections
6. WiFi access point for WiFi camera connections
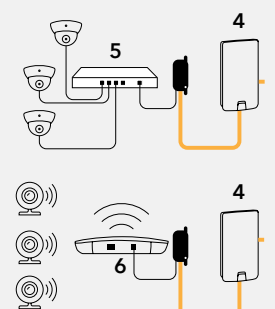
www.netgear.com/airbridge

NETGEAR understands the need for fast, secure, feature-rich surveillance networking products that perform better and cost less than the competition.

Industry-leading, efficient networking for surveillance.

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 options (desk, wall, rack).

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

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

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

SMART W/OPTIONAL REMOTE/CLOUD MANAGEMENT
All of the capabilities of our Smart switches with additional option to remotely manage/monitor using Insight Cloud management.

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

Just pick the switch that's best for you!

	UNMANAGED			PLUS				SMART				W/REMOTE/CLOUD MGMT		FULLY MANAGED	
Customer	Small										Small			
				Mid-sized											
Switching	L2								L2/L2+/Lite L3					L2+/L3	
1GbE	200/600/900	300	100	500	900	300/800	100	400/500	S350	100	500	700	S3300		M4200/M4250	M4300
1GbE w/10G SFP+									GS Series				S3300			
1GbE w/10GbE and 10G SFP+													S3300			
10GbE					XS Series				XS Series						M4300	
Multi-gig	XSxxxM and GSxxxMX Series				GSxxxEMX and XSxxxEM Series				MS Series						M4200 /M4250	
Management	NA				Local GUI / NMS300 / Insight*								Insight / Local GUI		NMS300	

*Insight cloud management available on select Smart models

SWITCHING

Switch Naming Convention - How to read the product code

Unmanaged and Plus

| Speed | Series | Ports | Management | Uplinks | Power |

Sample

| Speed | Series | Ports | Management | Uplinks | Power |
| GS | 1 | 10 | E | | MX |

Speed		Series		Ports	
FS/JFS	Fast Ethernet	I	Series (See below for legend)	08	Number of Ports
GS/JGS	Gigabit Ethernet				
MS	Multi-gigabit Ethernet (5-speed, up to 10G)				
XS	10-Gigabit Ethernet				

Management Type		Uplink Type		Power	
E	Plus	X	10-Gigabit uplinks	LP	Low power PoE or PoE+
	Unmanaged	M	Multi-gigabit Ethernet (5-speed, up to 10G) Uplinks (GS-Series) or all ports (XS-Series)	P	PoE or PoE+
				PP	High power PoE or PoE+
				UP	Ultra PoE++

Smart and Smart w/Optional Remote/Cloud Switches*

| Speed | Series | Ports | Management | Uplinks | Power | Stacking |

Sample

| Speed | Series | Ports | Management | Uplinks | Power | Stacking |
| GS | 7 | 10 | T | | UP | |

Speed		Series		Ports	
FS	Fast Ethernet	7	Series	52	Number of Ports
GS	Gigabit Ethernet				
GC	Smart w/Default Remote/Cloud Gigabit Ethernet				
MS	Multi-gigabit Ethernet (5-speed, up to 10G)				
XS	10-Gigabit Ethernet				

Management Type		Uplink Type		Power		Stacking	
T	Smart	X	10-Gigabit uplinks	LP	Low power PoE	S	Hardware Stacking
				P	PoE or PoE+	Note: GS728TX/XP & GS752TX/XP are also stackable, but do not have "S" in product code.	
				PP	High power PoE or PoE+		
				UP	Ultra PoE++		

*Note: Optional Remote/Cloud management available on select Smart switches ("T"). All "GC" Switches support Remote/Cloud management by default.

Fully Managed Switches

| Speed | Management | Series | Layer | Ports | Stacking |

Sample

| Speed | Management | Series | Layer | Ports | Stacking |
| GS | M | 7 | 2 | 48 | |

Speed		Management Type		Series	
GS	Gigabit Ethernet	M	Fully Managed	7	Switch Series
XS	10-Gigabit Ethernet				
CS	100-Gigabit Ethernet				

Layer		Ports		Stacking	
3	Layer 3	28	Number of Ports	S	Hardware Stacking
2	Layer 2+	24	Number of Ports		

Legend

1 = Desktop	4 = Desktop/Rackmount (13")
2 = Desktop Essentials (Plastic)	5 = Desktop SOHO (Plastic)
3 = Desktop Essentials (Metal)	6 = Rackmount (17")

A SHORT GUIDE TO NETGEAR SWITCHES MANAGEMENT

Just pick the type of management that is right for you

	Unmanaged FOR HOME AND BUSINESS	Plus FOR HOME AND BUSINESS	Smart S350 Series FOR SMB NETWORKS	Smart FOR SMB NETWORKS	Smart with Optional Cloud FOR SMB NETWORKS	Fully Managed FOR SMALL NETWORK CORE, AV OVER IP, AND MID-ENTERPRISE EDGE
Split a Single Ethernet Connection	●	●	●	●	●	●
Plug-and-Play	●	●	●	●	●	●
Easy to Use	●	●	●	●	●	●
Web GUI Management		●	●	●	●	●
Network Control (VLAN, QoS)		●	●	●	●	●
Network Security (Storm Control, Auto DoS)		●	●	●	●	●
Advanced VLAN & QoS		●	●	●	●	●
Advanced Security			●	●	●	●
Higher Performance			●	●	●	●
Static Routing				●	●	●
Advanced L2, L3, L4 Routing and Features				●	●	●
Insight Management					●	
Remote Cloud Management					●	
CLI Management						●
API for Third-Party Control						●
BEST HA & Redundancy						●
Premium Performance						●

POWER-OVER-ETHERNET WITH NETGEAR®

From wireless access points to network switches, NETGEAR provides a reliable, affordable, simple PoE solution for your business.

Power-over-Ethernet (PoE) is a revolutionary technology that is quickly being 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.

Over time, multiple PoE classes were created to satisfy the power needs for different types of PoE devices.

PoE: Delivers 15W per port to power simple IP phones, IP cameras and wireless access points.

PoE+: Delivers 30W per port to power IP phones, WiFi 6 (802.11AX) access points, pan-tilt-zoom cameras, etc.

PoE++: PoE++ enables powerful installations with PoE budgets up to 60 or 90W per port for connections of higher power required devices, such as WiFi 6 (802.11AX) wireless access points, smart building lighting, audio speakers and pan-tilt-zoom cameras. Future proof with PoE++ and help prevent the slowing down of the WiFi 6 performance in WiFi 6 wireless access points.

**NETGEAR's exclusive FlexPoE allows you to increase the PoE budget of the switch simply by purchasing a larger Power Supply.

PoE CLASS CHART

PoE Class Chart	Min. power levels the PSE needs to provide	Min/Max power available to the PD[2]	Class Description	Powered Devices (PD)
0[1]	0.44W	0.44W-12.95W	Default power (15.4W)	Any that don't specify their class
1	4.0W	0.44W-3.84W	Very low power	IP Phone
2	7.0W	3.84W-6.49W	Low power	IP Camera
3	15.4W	6.49W-12.95W	Mid power	Wireless Access Point, video phone
4 (PoE+)	30.0W	12.95W-25.50W	High power	PTZ IP camera, dual-band 11ac or 11AX Wireless AP
5/6 (PoE++)	60.0W	25.5W-51W[3]	Ultra high power	LED lighting, Audio Speakers, AV encoders, PTZ cameras, Wi-Fi 6 (11AX) high-end Access Points
7/8 (PoE++)	90.0W	25.5W-71W[3]		

PD CHART

PD Product	Product Description	Power Consumption
GS105PE* (PD-Powered Device ONLY)	Gigabit Plus Switch	2W min, 6.5W max
GS108Tv3	Gigabit Smart Switch	5.5W
M4100-D12G (GSM5212)	12 x GbE + 4 Combo SFP Managed Switch	25W
WND930	Outdoor Dual-Band Wireless 11N Access Point	15.2W min, 43.8W max
WAC510	Insight Managed AC WiFi Access Point	9.3W
WAC540	Insight Managed Smart Cloud Tri-Band 4x4 Wireless Access Point	25.5W
WAC720	2 x 2 11ac Access Point	11.0W
WAC730	3 x 3 11ac Access Point	12.9W
WAC740	4 x 4 Wave 2 11ac Access Point	17.9W
WAX610	WiFi 6 AX1800 Dual-Band Multi-Gig Access Point	15.3W
WAX610Y	WiFi 6 AX1800 Dual-Band Multi-Gig Outdoor Access Point	16.1W
WAX620	WiFi 6 AX3600 Dual-Band Multi-Gig Access Point	25.5W
WAX214	WiFi 6 AX1800 Dual-Band Access Point	15.3W
WAX218	WiFi 6 AX3600 Dual-Band Access Point	30W

www.netgear.com/poe

[1] Default if not specified by device

[2] The maximum power delivered to the device is affected by the length of the Ethernet cable between the switch and the device, which creates losses, hence the difference between the maximum power allocated for the device, and the maximum power delivered to the device.

[3] Extended power capability allows PD input power to reach up to 60W for Type 3 and up to 90W for Type 4 if channel length is known.

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

NETGEAR Switches with PoE/PoE+/UPoE/Ultra PoE++

Model	Ports	PoE Ports & Type	PoE Budget	PoE Auto-Balance	NETGEAR FlexPoE**
		UNMANAGED SWITCHES			
GS305Pv2	5 x GbE	4	65W	Yes	
GS305PP	5 x GbE	4 PoE+	83W	Yes	
GS108LP	8 x GbE	8 (PoE+)	60W** (up to 123W with EPS130W)	Yes	Yes
GS108PP	8 x GbE	8 PoE+	123W**	Yes	Yes
GS308P	8 x GbE	4	53W		
GS308PP	8 x GbE	8 (PoE+)	83W** (up to 123W with EPS130W)	Yes	Yes
GS116LP	16 x GbE	16 PoE+	76W** (up to 183W with EPS200W)	Yes	Yes
GS116PP	16 x GbE	16 PoE+	183W	Yes	Yes
GS316P	16 x GbE	16 (PoE+)	115W** (up to 183W with EPS200W)	Yes	Yes
GS316PP	16 x GbE	16 (PoE+)	183W**	Yes	Yes
GS324P	24 x GbE	16 PoE+	190W	Yes	
GS324PP	24 x GbE	24 PoE+	380W	Yes	
GS348PP	48 x GbE	24 (PoE+)	380W	Yes	
GS516PP	16 x GE	16 PoE+	260W	Yes	
GS516UP	16 x GE	16 PoE+, 8 Ultra60 PoE++	380W	Yes	
GS524PP	24 x GE	24 PoE+	300W	Yes	
GS524UP	24 x GE	24 PoE+, 16 Ultra60 PoE++	480W	Yes	
		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	Yes	
GS108PE	8 x GbE	4	53W		
GS305EP	5xGbE	4 (PoE+)	63W	Yes	
GS305EPP	5xGbE	4 (PoE+)	120W	Yes	
GS308EP	8 x GbE	8 (PoE+)	62W	Yes	
GS308EPP	8 x GbE	8 (PoE+)	123W	Yes	
GS316EP	15 x GbE + 1G Dedicated SFP	15 (PoE+)	180W	Yes	
GS316EPP	15 x GbE + 1G Dedicated SFP	15 (PoE+)	231W	Yes	
JGS516PE	16 x GbE	8	85W		
JGS524PE	24 x GbE	12	100W		
		SMART / SMART CLOUD SWITCHES			
FS728TP	24 x FE + 2 x GbE + 2 x 1G combo SFP	24	192W		
GC108P	8 x GbE	8 PoE+	64W** (up to 126W with EPS130W)		Yes
GC108PP	8 x GbE	8 PoE+	126W**		Yes
GS110TPv3	8 x GbE + 2 x 1G Dedicated SFP	8 PoE+	55W		
GS110TPP	8 x GbE + 2 x GbE	8 PoE+	120W** (up to 190W with EPS200W)		Yes
GS110TUP	8 x GbE + 1 x GbE + 1 x 1G Dedicated SFP	4 Ultra60 PoE++, 4 PoE+	240W		
GS310TP	8 x GbE + 2 x 1G Dedicated SFP	8 PoE+	55W		
GS510TLP	8 x GbE + 2 x 1G Dedicated SFP	8 PoE+	75W		
GC510P	8 x GbE + 2 x 1G Dedicated SFP	8 PoE+	134W		
GC510PP	8 x GbE + 2 x 1G Dedicated SFP	8 PoE+	195W		
GS510TPP	8 x GbE + 2 x 1G Dedicated SFP	8 PoE+	190W		
MS510TXPP	4 x GbE + 2 x 2.5GbE + 2 x 5GbE + 1 x 10GbE + 1 x 10G Dedicated SFP+	8 PoE+	180W		
GS710TUP	8 x GbE + 1 x GbE + 1 x 1G Dedicated SFP	8 Ultra60 PoE++	480W		
GS716TP	16 x GbE + 2 x 1G Dedicated SFP	16 PoE+	180W		
GS716TPP	16 x GbE + 2 x 1G Dedicated SFP	16 PoE+	300W		
GS324TP	24 x GbE + 2 x 1G Dedicated SFP	24 PoE+	190W		
GS724TPv2	24 x GbE + 2 x 1G Dedicated SFP	24 PoE+	190W		
GS724TPP	24 x GbE + 2 x 1G Dedicated SFP	24 PoE+	380W		
GS728TPv2	24 x GbE + 4 x 1G Dedicated SFP	24 PoE+	190W		
GS728TPPv2	24 x GbE + 4 x 1G Dedicated SFP	24 PoE+	380W		
GC728XP	24 x GbE + 2 x 1G Dedicated SFP + 2 x 10G Dedicated SFP+	24 PoE+	390W		
GS752TPv2	48 x GbE + 4 x 1G Dedicated SFP	48 PoE+	380W		
GS752TPP	48 x GbE + 4 x 1G Dedicated SFP	48 PoE+	760W		
GC752XP	48 x GbE + 2 x 1G Dedicated SFP + 2 x 10G Dedicated SFP+	48 PoE+	505W		
MS510TXUP	4 x 2.5G + 4 x 10G + 2 x 10G Dedicated SFP+	8 Ultra60PoE++	295W	Yes	
		STACKABLE SMART SWITCHES			
S3300-28X-POE+ (GS728TXP)	24 x GbE + 2 x 10GbE + 2 x 10G Dedicated SFP+	24 PoE+	195W and up to 720W with RPS		
S3300-52X-POE+ (GS752TXP)	48 x GbE + 2 x 10GbE + 2 x 10G Dedicated SFP+	48 PoE+	390W and up to 1400W with RPS		
GS752TPSB (incl. AGC761 stacking cable)	48 x GbE + 2 x 1G combo SFP + 4 x 1G/2.5G Dedicated SFP	48 (8 PoE+)	384W		
		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		
		M4250 AV LINE MANAGED SWITCHES (L2+ L3 REVERSIBLE)			
M4250-10G2F-PoE+ (GSM4212P)	10 x GbE + 2 x 1G Dedicated SFP	8 PoE+	125W		
M4250-10G2XF-PoE+ (GSM4212PX)	10 x GbE + 2 x 10G Dedicated SFP+	8 PoE+	240W		
M4250-10G2XF-PoE++ (GSM4212UX)	10 x GbE + 2 x 10G Dedicated SFP+	8 Ultra90 PoE++	720W		
M4250-26G4F-PoE+ (GSM4230P)	26 x GBE + 4 x 1G dedicated SFP	24 PoE+	300W		
M4250-26G4F-PoE++ (GSM4230UP)	26 x GBE + 4 x 1G dedicated SFP	24 Ultra90 PoE++	1,440W		
M4250-26G4XF-PoE+ (GSM4230PX)	26 x GBE + 4 x 10G dedicated SFP+	24 PoE+	480W		
M4250-40G8F-PoE+ (GSM4248P)	40 x GBE + 8 x 1G dedicated SFP	40 PoE+	480W		
M4250-40G8XF-PoE+ (GSM4248PX)	40 x GBE + 8 x 10G dedicated SFP+	40 PoE+	960W		
M4250-40G8XF-PoE++ (GSM4248UX)	40 x GBE + 8 x 10G dedicated SFP+	40 Ultra90 PoE++	2,880W		
		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		
M4300-16X (XSM4316PA)	16 x 100M/1G/2.5G/5G/10GBASE-T	16(PoE+)	199W 1 PSU (APS299W)		
M4300-16X (XSM4316PB)	16 x 100M/1G/2.5G/5G/10GBASE-T	16(PoE+)	500W 1 PSU (APS600W)		
M4300-96X (XSM4396K0)	Up to 96 x 100M/1G/2.5G/5G/10GBASE-T or SFP+; up to 24 x QSFP+	48 (PoE+)	484W (110V) 634W (220V) 1 PSU (APS1200W) 1440W (2 PSU) (APS1200W)		

Actual power supplied by the PoE switch may vary due to Ethernet cable length: The switch's PoE budget requirement should be slightly higher than what the PD devices actually consume.

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!
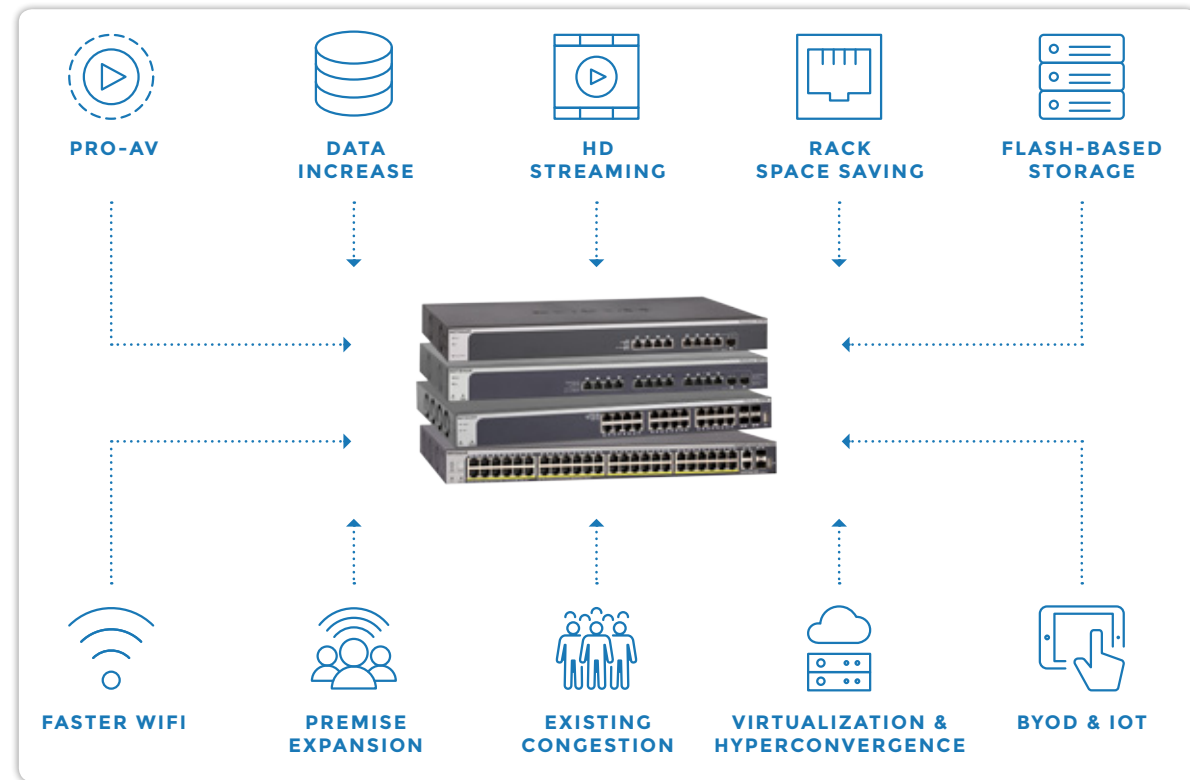
NETGEAR 10-Gigabit Portfolio

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.

10-Gigabit fully managed switches for IT applications

MODEL NAME	M4300-8X8F	M4300-16X		M4300-12X12F	M4300-24X
Model Number	XSM4316S	XSM4316PA	XSM4316PB	XSM4324S	XSM4324CS
Management	Full	Full		Full	Full
Total 10GB Ports	16	16		24	24
10GB Copper Ports	8	16		12	24
10GB SFP+ Ports	8			12	4 Combo
Fabric	320 Gbps	320 Gbps		480 Gbps	480 Gbps
Half Width	•	•		•	•
Full Width					
PoE+			•		
SDVoE-Ready	•	•		•	•

MODEL NAME	M4300-24XF	M4300-24X24F	M4300-48X	M4300-48XF	M4300-96X
Model Number	XSM4324FS	XSM4348S	XSM4348CS	XSM4348FS	XSM4396K0
Management	Full	Full	Full	Full	Full
Total 10GB Ports	24	48	48	48	Up to 96
10GB Copper Ports	2 Combo	24	48	2 Combo	Up to 96 by multiples of 8
10GB SFP+ Ports	24	24	4 Combo	48	Up to 96 by multiples of 8
Fabric	480 Gbps	960 Gbps	960 Gbps	960 Gbps	1.920 Tbps
Half Width					
Full Width	•	•	•	•	•
PoE+					•
SDVoE-Ready	•	•	•	•	•

UNLOCK YOUR NETWORK POTENTIAL WITH 5-SPEED NETWORKING!
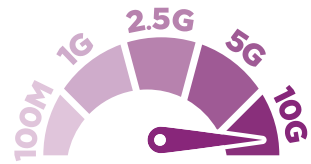
Modern, high-performance network devices such as 5G network cards, gaming computers, desktop computers, servers, network attached storage (NAS) devices, or IEEE 802.11ac Wave 2 wireless access points are capable of 2.5-Gigabit or 5-Gigabit connectivity. With the existing Gigabit and 10-Gigabit Ethernet 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 switches solve all these issues, supporting any device attached to the switch, to work at the speed of the port to which it is connected (2.5 Gbps or 5 Gbps). The maximum speed over Cat5e cabling is 5Gb, and 10Gb for Cat6 or better, with backwards-compatibility with 100Mbps and 1Gb. So, a business can easily mix and match different speeds on the same network, to make the most of each connected device's capability and without sacrificing the performance of either.

While it is hard for businesses to predict exactly what Gb speed capacity they are going to need now or in years to come, Multi-Gigabit Ethernet switching gives them a fluid framework that can adapt as demands change, while at the same time squeezing the most out of existing cabling investments, and even reducing the need for extra power outlets. Multigig helps businesses today and creates a flexible future.

Give the speed that your devices need
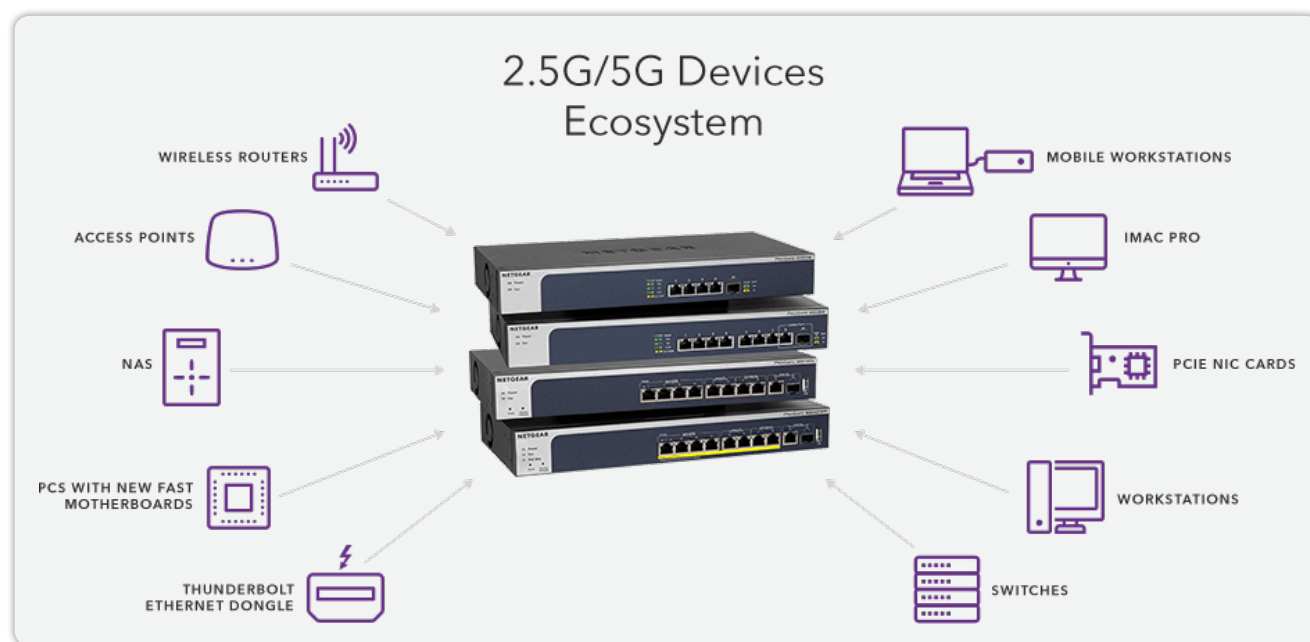
5 TIMES FASTER USING THE SAME CABLING

	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	MS510TXM	MS510TXPP	MS510TXUP	M4200-10MG-POE+	M4250-12M2XF	M4300-16X	M4300-96X
# of Ports	5	8	10	10	12	24	10	10	10	10	10	14	16	96
# of 1G Ports			8	8			4		4					
# of 1G/2.5G Multi-Gig Ports							2	4	2	4	8	12		
# of 1G/2.5G/5G Multi-Gig Ports							2		2					
# of 10G Fiber Ports	1	1			2	2	1	2	1	2	2	2		Up to 96
# of 5-Speed Ports (100M/1G/2.5G/5G/10G)	4	7	2	2	12	24	1	4	1	4			16	Up to 96
PoE+ Ports									8	8	8		16	Up to 48
Type of Management	Unmanaged	Unmanaged	Unmanaged	Plus	Plus	Plus	Smart	Smart Cloud	Smart	Smart Cloud	Fully Managed	Fully Managed	Fully Managed	Fully Managed
Plug and Play	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Web Interface for Configuration				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
NETGEAR Insight Remote/ Cloud Management							Yes	Yes	Yes	Yes				

10 REASONS WHY CUSTOMERS LOVE OUR PLUS SWITCHES

Business networks are growing rapidly. Due to the increased use of Voice-over-IP phones, wireless access points, IP cameras for surveillance, and applications like Internet of Things (IoT), networks need to provide businesses with more control, more security, and easier management. To address the industry's need for an integrated solution that can meet businesses' needs, NETGEAR has created Plus switches with PoE+ and management capabilities. These Plus Gigabit switches cost only a little more than Unmanaged switches while offering advanced network management.

We asked our users what makes these switches such a great choice. Here are 10 reasons taken straight from tens of thousands of online customer reviews that gave an average rating of 4.5 out of 5!

The NETGEAR Plus Gigabit series includes the following models: GS105E, GS105PE, GS108E, GS108PE, GS116E, GS305E, GS308E, JGS516E, JGS516PE, JGS524PE, GS750E, and the latest models, GS305EP, GS305EPP, GS308EP, and GS308EPP that launched in November 2020. Finally, if even more advanced performance is needed check out our high-speed 10 Gigabit Plus switches for more.

1. Easy Management

Plus switches provide easy-to-use, fundamental network management features. No need for an IT expert or a complicated user manual. Just configure your network with the user-friendly NETGEAR Plus Web GUI.

2. Best value for a managed switch

Businesses don't always have the budget or advanced network training to work with complex managed switches. The Plus switches are packed with useful features, affordable for a small additional cost above an Unmanaged switch.

3. Ideal for home or office use

These switches are ideal for all uses to add ports to your existing network wherever it is, whether at home or in the office. Port count ranges from 5 to 16, 24, or even 50 ports for all deployment needs. In addition, PoE capabilities, QoS, and VLAN allow for increased management and security for any network. Ideal for VoIP phones, IP cameras, WiFi, and any converged audio/video network applications.

4. Powerful PoE and PoE+ (up to 30W per port) offerings

Either all or half of the ports have support for PoE+, so a single wire can deliver power and network connectivity to PoE+ devices such as wireless access points, IP cameras, VoIP phones, access-controlled security door locks, and other IoT PoE-powered devices.

5. Consumer- and business-friendly local web browser-based GUI with full access

The latest Plus switches (November 2020) boast a very intuitive user interface that allows easy configuration of all features such as VLANs, PoE features, and QoS, among many others.

6. Advanced PoE features with uninterrupted PoE

Manage power for PoE connected devices by enabling and disabling PoE power per port, PoE prioritization, PoE power limit per port, and more. The newest Plus switches also include an Uninterrupted PoE feature that keeps PoE power on even when the switch is updating firmware or performing a software reboot.

7. Fundamental Management with QoS, VLAN, IGMP, and more

Plus switches provide VLANs for more secure and efficient use of network resources, QoS for optimized network performance, and better delivery of mission-critical traffic, port mirroring for troubleshooting, and IGMP Snooping for improved network efficiency on delivering multicast traffic.

8. Fanless or quiet operation and versatile mounting for easy deployment

Plus switches provide completely silent operation on most models within a desktop small form factor. They also have wall-mounting capabilities; even large port-count models can be rack-mounted. Easily set up these switches in any type of environment, even noise-sensitive ones.

9. Easy troubleshooting capabilities with port mirroring and cable testing

No need for expensive troubleshooting tools with the Plus switches. Simply use port mirroring and cable testing integrated features to easily troubleshoot your network.

10. High reliability backed by a segment-leading hardware warranty with Next Business Day replacement

Experience NETGEAR's 25 years of experience with networking with every switch you purchase. Get a 5-year or Limited Lifetime warranty on your Plus switches.

Switches Engineered for AV over IP

NETGEAR's ProAV solutions are engineered specifically for AV over IP with an unmatched ease of use, reliability, and cost savings that benefit all networked AV solutions.

- Zero-touch install
- Rapid deployment
- High reliability
- Easy expandability
- Dedicated engineering services team
- Next business day replacement
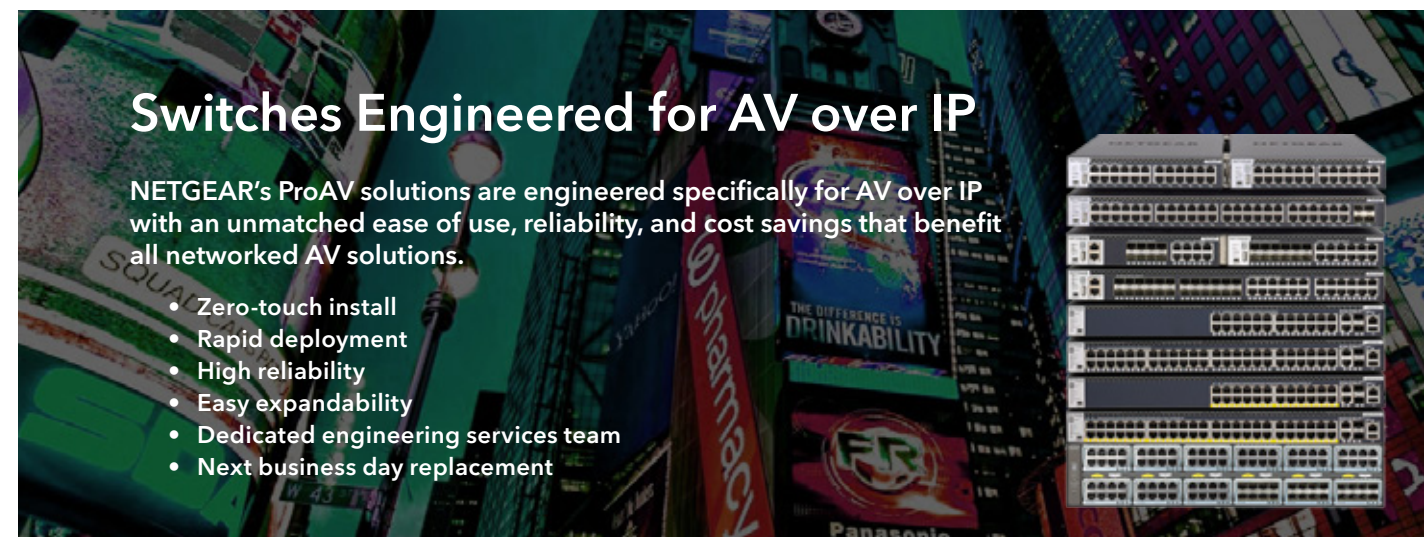
OVERVIEW

NETGEAR's commitment to AV over IP includes a range of products and dedicated support services. Our M4250, M4300 and M4500 series of high-performance, flexible switches are engineered for AV over IP.

NETGEAR Business has led the way for almost 25 years by successfully enabling more than 50 million businesses worldwide. We stand behind our sales partners and their customers through our community and support systems. The quality, reach, and value of our products and services is unmatched.

NETGEAR Business means solutions that fit your needs and your budget. Our comprehensive portfolio of switches enables you to order exactly the combination of fiber or copper ports you need now with room to expand for the future. Providing the ability to connect any type of AV over IP device, NETGEAR switches offer you flexible speed options from 1 Gigabit up to 100 Gigabits per port!

Certified Partners (partial list)

ATEN · BROADATA COMMUNICATIONS, INC. · ATLONA a Panduit company · CHRISTIE · Aurora · CRESTRON · biamp. · DVIGEAR · BLACK BOX · IDK · KanexPro · tvONE · AV BEYOND THE BOX · VISIONARY SOLUTIONS · MEGAPIXEL VISUAL REALITY · WyreStorm · AMX by HARMAN · zeevee · SAVANT · ZIGEN

APPLICATIONS

Video over IP

NETGEAR recognizes the explosion of video over Ethernet and has specifically designed products for AV over IP installations.

From NETGEAR IGMP Plus™, which allows out-of-the-box functionality for most all multicast installations, to modular switches accommodating copper, fiber, and HDMI inputs, we will work with you to find the right solution at the right price.

Audio over IP

The Pro AV world has adopted IP as their delivery method of choice and NETGEAR is here to help. Our switches provide range of sizes and mounting methods to accommodate any install - from the university campus to touring road show.

If you are using Dante or AVB (license required) in your audio deployment, you can trust that NETGEAR's Pro AV switches are designed to seamlessly integrate into your solution. Easy to use, easy to manage.

NETGEAR is a founding member of the Software Defined Video over Ethernet (SDVoE) alliance. A nonprofit consortium of technology providers collaborating to standardize the adoption of Ethernet to transport AV signals in professional AV environments, and to create an ecosystem around SDVoE technology allowing software to define AV applications.

Our switches are designed to accommodate the high bandwidth required for SDVoE-enabled products transporting high-resolution video, multi-channel audio, and control with negligible latency.

SUPPORT & DESIGN SERVICES

NETGEAR offers free design services to support partners as they design and deploy professional audio and video solutions which require IP networking infrastructure.

This dedicated Pro AV Engineering Services team of experts has been conceived to empower those who are designing and installing AV over IP systems by providing free network design assistance, training, and installation support.

ProSUPPORT for Business

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.

PRO AV TECHNICAL TRAINING

At NETGEAR we believe in working with our partners to empower them with the knowledge to create and sell solutions not just products. As part of this commitment, we offer a free 'Switching for AVoIP' training course. The user-paced online version provides an overview of many concepts of networking as it pertains to AV signals. Contact us for the possibility of an in-depth, in-person, learning experience with a qualified instructor.

Attendees will become a certified NETGEAR AVoIP Switch Installation Partner and have the skills necessary to configure and deploy NETGEAR Pro AV switching solutions. Successful completion also provides coveted AVIXA Renewal Credits.

Find out more: www.netgear.com/proav

Contact the Engineering Services team:
ProAVDesign@netgear.com

Signup for training: www.netgear.academy

Pre-configured M4300 Ethernet Switches for AV over IP

MODEL NAME	M4300-8X8F	M4300-16X		M4300-12X12F	M4300-24X
Model Number	XSM4316S	XSM4316PA	XSM4316PB	XSM4324S	XSM4324CS
Management	Full	Full		Full	Full
Total 10GB Ports	16	16		24	24
10GB Copper Ports	8	16		12	24
10GB SFP+ Ports	8			12	4 Combo
Fabric	320 Gbps	320 Gbps		480 Gbps	480 Gbps
Half Width	•	•		•	•
Full Width					
PoE+			•		
SDVoE-Ready	•	•		•	•

MODEL NAME	M4300-24XF	M4300-24X24F	M4300-48X	M4300-48XF	M4300-96X
Model Number	XSM4324FS	XSM4348S	XSM4348CS	XSM4348FS	XSM4396K0
Management	Full	Full	Full	Full	Full
Total 10GB Ports	24	48	48	48	Up to 96
10GB Copper Ports	2 Combo	24	48	2 Combo	Up to 96 by multiples of 8
10GB SFP+ Ports	24	24	4 Combo	48	Up to 96 by multiples of 8
Fabric	480 Gbps	960 Gbps	960 Gbps	960 Gbps	1.920 Tbps
Half Width					
Full Width	•	•	•	•	•
PoE+					•
SDVoE-Ready	•	•	•	•	•

MODEL NAME	M4300-28G	M4300-52G	M4300-28G-POE+		M4300-52G-POE+	
Model Number	GSM4328S	GSM4352S	GSM4328PA	GSM4328PB	GSM4352PA	GSM4352PB
10/100/1000 RJ45	24 Ports	48 Ports	24 Ports PoE+		48 Ports PoE+	
10GBASE-T RJ45	2 Ports	2 Ports	2 Ports		2 Ports	
1G/10G SFP+	2 Ports	2 Ports	2 Ports		2 Ports	
Form Factor	Full Width					
Rack Mount	1-Unit in 1U					
Power Supply	Modular 2 Bays					
Included PSU	(1) APS150W		(1) APS550W	(1) APS1000W	(1) APS550W	(1) APS1000W
PoE+			•	•	•	•

Pre-configured M4250 switches engineered for AV over IP, the AV Line

MODEL NAME	M4250-10G2F-PoE+	M4250-10G2XF-PoE+	M4250-10G2XF-PoE++	M4250-12M2XF	M4250-16XF
Model Number	GSM4212P	GSM4212PX	GSM4212UX	MSM4214X	XSM4216F
Primary Port Speed	1G	1G	1G	2.5G	10G
1G Copper Ports	10	10	10		
2.5G Copper Ports				12	
SFP/SFP+ Ports	2 (SFP)	2 (SFP+)	2 (SFP+)	2 (SFP+)	16 (SFP+)
PoE Type	PoE+	PoE+	Ultra90 PoE++		
PoE Ports	8	8	8		
PoE Budget	125W	240W	720W		
IGMP Plus™ Support	•	•	•	•	•
AVB Support**	•	•	•	•	•
Acoustic Noise***	Fanless, Quiet mode (27.38dBA) or Cool mode (55dBA)	Fanless, Quiet mode (27.4dBA) or Cool mode (56dBA)	Fanless, Quiet mode (250w PoE, 34.57dBA) (380w PoE, 40dBA) (720w PoE, 47.19dBA) or Cool mode (57dBA)	Fanless, Quiet mode (28.5dBA) or Cool mode (55dBA)	Fanless, Quiet mode (27.44dBA) or Cool mode (57dBA)
Management	AV UI, IT GUI, CLI	AV UI, IT GUI, CLI	AV UI, IT GUI, CLI	AV UI, IT GUI, CLI	AV UI, IT GUI, CLI
Warranty	Limited Lifetime*	Limited Lifetime*	Limited Lifetime*	Limited Lifetime*	Limited Lifetime*

** Requires AVB license, sold separately. All other software features are available, license-free.

***Software-controlled fan adjustments enable the fans to be turned off when ambient temperature and PoE loads are appropriate for a totally fanless operation. dBA values are SPL (Sound Pressure Level) values, testing following the ISO-7779 standard. Bystander Mode. Chamber Temp 25°C during testing. Full, 100%, Data and PoE loaded. Worst case.

Pre-configured M4250 switches engineered for AV over IP, the AV Line

MODEL	M4250-26G4F-POE+	M4250-26G4XF-POE+	M4250-26G4F-POE++
SKU	GSM4230P	GSM4230PX	GSM4230UP
Primary Port Speed	1G	1G	1G
1G Copper Ports	26	26	26
2.5G Copper Ports			
SFP/SFP+ Ports	4 (SFP)	4 (SFP+)	4 (SFP)
PoE Type	PoE+	PoE+	Ultra90 PoE++
PoE Ports	24	24	24
PoE Budgets	300W	480W	1,440W
IGMP Plus™ Support	Yes	Yes	Yes
AVB Support**	Yes	Yes	Yes
Acoustic Noise***	Fanless, Quiet mode (200W PoE, 28dBA; 300W PoE, 34dBA) or Cool Mode (57dBA)	Fanless, Quiet mode (350W PoE, 25dBA; 480W PoE, 42dBA) or Cool mode (67dBA)	Quiet mode (280W PoE, 28dBA; 480W PoE, 47dBA; 1440W PoE, 60dBA) or Cool Mode (69dBA)
Management	AV UI, IT GUI, CLI	AV UI, IT GUI, CLI	AV UI, IT GUI, CLI
Warranty	Limited Lifetime*	Limited Lifetime*	Limited Lifetime*

** Requires AVB license, sold separately. All other software features are available, license-free.

*** Software-controlled fan adjustments enable the fans to be turned off when ambient temperature and PoE loads are appropriate for a totally fanless operation. dBA values are SPL (Sound Pressure Level) values, testing following the ISO-7779 standard. Bystander Mode. Chamber Temp 25°C during testing. Full, 100%, Data and PoE loaded. Worst case.

Pre-configured M4250 switches engineered for AV over IP, the AV Line

MODEL	M4250-40G8F-POE+	M4250-40G8XF-POE+	M4250-40G8XF-POE++
SKU	GSM4248P	GSM4248PX	GSM4248UX
Primary Port Speed	1G	1G	1G
1G Copper Ports	40	40	40
2.5G Copper Ports			
SFP/SFP+ Ports	8 (SFP)	8 (SFP+)	8 (SFP+)
PoE Type	PoE+	PoE+	Ultra90 PoE++
PoE Ports	40	40	40
PoE Budgets	480W	960W	2,880W
IGMP Plus™ Support	Yes	Yes	Yes
AVB Support**	Yes	Yes	Yes
Acoustic Noise***	Fanless, Quiet mode (150W PoE, 30dBA; 340W PoE, 40dBA; 480W PoE, 47dBA) or Cool Mode (68dBA)	Quiet mode (400W PoE, 29dBA; 640W PoE, 48dBA; 960W PoE, 59dBA) or Cool Mode (69dBA)	Quiet mode (160W PoE, 30dBA; 480W PoE, 51dBA; 2880W PoE, 60dBA) or Cool Mode (71dBA)
Management	AV UI, IT GUI, CLI	AV UI, IT GUI, CLI	AV UI, IT GUI, CLI
Warranty	Limited Lifetime*	Limited Lifetime*	Limited Lifetime*

** Requires AVB license, sold separately. All other software features are available, license-free.

*** Software-controlled fan adjustments enable the fans to be turned off when ambient temperature and PoE loads are appropriate for a totally fanless operation. dBA values are SPL (Sound Pressure Level) values, testing following the ISO-7779 standard. Bystander Mode. Chamber Temp 25°C during testing. Full, 100%, Data and PoE loaded. Worst case.

Unmanaged Switches

MODEL		Unmanaged, L2, 10/100 Fast Ethernet	Unmanaged, L2, Gigabit		
		FS108	GS305	GS305P	GS305PP
Port Configuration	10M/100M RJ45 Copper Ports (Auto Uplink)	8			
	10M/100M/1G RJ45 Copper Ports (Auto Uplink)		5	5	5
PoE	# of PoE Ports				4
	Power Over Ethernet 802.3af Ports			4	4
	PoE Plus (30W) 802.3at Ports				4
	Total PoE/PoE+ Budget			63W	83W
Scalability	# MAC Addresses	2K	2K	2K	2K
	MAC Address Aging (sec)	292 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	1.6 Gbps	10 Gbps	10 Gbps	10 Gbps
	Buffer Memory	96 KB	128 KB	128 KB	128 KB
	Jumbo Frames	2,048 bytes	9,216 bytes	9,216 bytes	9,216 bytes
Energy Efficiency	IEEE 802.3az	✔	✔	✔	✔
	Auto Port Power Down	✔	✔	✔	✔
	Max Power Consumption	1.01W	2.15W	3.4W (no PoE) 60.0W (with PoE max)	2.89W (no PoE) 88.89W (with PoE max)
Physical	Form-factor/Mounting (Desktop, Wall, Rack)	Desktop, Wallmount	Desktop, Wallmount	Desktop, Wallmount	Desktop, Wallmount
	Metal/Plastic Enclosure	Metal	Metal	Metal	Metal
	MTBF @ 25°C	4,015,496 hrs (458 yrs)	3,831,422 hrs (437 yrs)	3,222,482 hrs (368 yrs)	6,710,127 hrs
	Fan(s)	None	None	None	None
	Width x Depth x Height	158 x 101 x 27 mm (6.2 x 4.0 x 1.1 in)	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	0.39 kg (0.86 lb)	0.25 kg (0.55 lb)	0.41 kg (0.9 lb)	0.41 kg (0.9 lb)
Electromagnetic Compliance	Class (A or B)	B	B	A	A
Warranty Hardware*		Lifetime* Limited	3 years	3 years	3 years
Warranty Power Supply		2 years	3 years	3 years	3 years
ProSUPPORT Maintenance Contracts***	OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year	PMB0S11 PMB0S31 PMB0S51	PMB0S11 PMB0S31 PMB0S51	PMB0S11 PMB0S31 PMB0S51	PMB0S11 PMB0S31 PMB0S51

Unmanaged Switches

Unmanaged, L2, Gigabit | Unmanaged, L2, 10/100 Fast Ethernet

MODEL		GS308	GS308P	JFS524
Port Configuration	10M/100M RJ45 Copper Ports (Auto Uplink)			24
	10M/100M/1G RJ45 Copper Ports (Auto Uplink)	8	8	
PoE	# of PoE Ports			
	Power Over Ethernet 802.3af Ports		4	
	PoE Plus (30W) 802.3at Ports			
	Total PoE/PoE+ Budget		53W	
Scalability	# MAC Addresses	8K	4K	8K
	MAC Address Aging (sec)	300 sec	300 sec	300 sec
Quality of Service	Number of Priority Queues			4
	Traffic Prioritization	802.1p based QoS/CoS	802.1p based QoS/CoS	Honors 802.1p Priority Tags
Performance	Bandwidth	16 Gbps	16 Gbps	4.8 Gbps
	Buffer Memory	128 KB	192 KB	256 KB
	Jumbo Frames	9,216 bytes	9,720 bytes	2,048 bytes
Energy Efficiency	IEEE 802.3az	✔	✔	✔
	Auto Port Power Down	✔	✔	
	Max Power Consumption	3.04W	7.0W (no PoE) 60.0W (with PoE max)	4W
Physical	Form-factor/Mounting (Desktop, Wall, Rack)	Desktop, Wallmount	Desktop, Wallmount	Desktop/Rackmount
	Metal/Plastic Enclosure	Metal	Metal	Metal
	MTBF @ 25°C	3,711,898 hrs (424 yrs)	2,244,211 hrs (256 yrs)	2,940,540 hrs (336 yrs)
	Fan(s)	None	None	None
	Width x Depth x Height	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)	280 x 126 x 44 mm (11.0 x 5.0 x 1.7 in)
	Weight	0.39 kg (0.86 lb)	0.46 kg (1.02 lb)	0.54 kg (1.19 lb)
Electromagnetic Compliance	Class (A or B)	B	A	A
Warranty Hardware*		3 years	3 years	Lifetime* Limited
Warranty Power Supply		3 years	3 years	Internal (same as switch)
ProSUPPORT Maintenance Contracts***	OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year	PMB0S11 PMB0S31 PMB0S51	PMB0S11 PMB0S31 PMB0S51	PMB0S12 PMB0S32 PMB0S52

Unmanaged Switches

Unmanaged, L2, Gigabit

MODEL		GS308PP	GS316	GS316P	GS316PP
Port Configuration	10M/100M RJ45 Copper Ports (Auto Uplink)				
	10M/100M/1G RJ45 Copper Ports (Auto Uplink)	8	16	16	16
PoE	# of PoE Ports	8		16	16
	Power Over Ethernet 802.3af Ports	8		16	16
	PoE Plus (30W) 802.3at Ports	8		16	16
	Total PoE/PoE+ Budget	83W		115W	183W
Scalability	# MAC Addresses	4K	16K	4K	4K
	MAC Address Aging (sec)	300 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	802.1p based QoS/CoS
Performance	Bandwidth	16 Gbps	32 Gbps	32 Gbps	32 Gbps
	Buffer Memory	192 KB	768 KB	1MB	1MB
	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	3.86W (no PoE) 90W (with PoE max)	8.4W	12.9W (no PoE) 130W (with PoE max)	12.9W (no PoE) 200W (with PoE max)
Physical	Desktop/Rackmount	Desktop, Wallmount	Desktop, Wallmount	Desktop, Wallmount	Desktop, Wallmount
	Metal/Plastic Enclosure	Metal	Metal	Metal	Metal
	MTBF @ 25°C	2,752,476 hrs	9,041,798 hrs (1032 yrs)	2,362,192 hrs	2,362,192 hrs
	Fan(s)	None	None	None	None
	Width x Depth x Height	236 x 102 x 27 mm (9.3 x 4 x 1.1 in)	286 x 101 x 26 mm (11.3 x 4.0 x 1.0 in)	286 x 102 x 27 mm (11.3 x 4 x 1.1 in)	286 x 102 x 27 mm (11.3 x 4 x 1.1 in)
	Weight	0.6 kg (1.32 lb)	0.84 kg (1.86 lb)	0.88 kg (1.94 lb)	0.88 kg (1.94 lb)
Electromagnetic Compliance	Class (A or B)	A	A	A	A
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 OnCall 24x7 3-year OnCall 24x7 5-year	PMB0S12 PMB0S32 PMB0S52	PMB0S12 PMB0S32 PMB0S52	PMB0S12 PMB0S32 PMB0S52	PMB0S12 PMB0S32 PMB0S52

Unmanaged Switches

Unmanaged, L2, Gigabit

MODEL		GS324	GS324P	GS324PP
Port Configuration	10M/100M RJ45 Copper Ports (Auto Uplink)		0	0
	10M/100M/1G RJ45 Copper Ports (Auto Uplink)	24	24	24
PoE	# of PoE Ports		16	24
	Power Over Ethernet 802.3af Ports		16	24
	PoE Plus (30W) 802.3at Ports		16	24
	Total PoE/PoE+ Budget		190W	380W
Scalability	# MAC Addresses	8K	8K	8K
	MAC Address Aging (sec)	300 ~ 600 sec	300-450 sec	300-450 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	48 Gbps	48 Gbps	48Gbps
	Buffer Memory	512 KB	192KB	192KB
	Jumbo Frames	9,216 bytes	10,000 bytes	10,000 bytes
Energy Efficiency	IEEE 802.3az	✔	✔	✔
	Auto Power Down	✔	✔	✔
	Max Power Consumption	11.1W	210W	400W
Physical	Desktop/Rackmount	Desktop, Wallmount, Rackmount	Desktop, Rackmount	Desktop, Rackmount
	Metal/Plastic Enclosure	Metal	Metal	Metal
	MTBF @ 25°C	620,798 hrs (71 yrs)	1,193,574 hrs	667,762 hrs
	Fan(s)	None	1	2
	Width x Depth x Height	252 x 180 x 44 mm (9.9 x 7.1 x 1.7 in)	330 x 206 x 43 mm (12.99 x 8.12 x 1.69 in)	440 x 204 x 43 mm (17.32 x 8.03 x 1.69 in)
	Weight	1.31 kg (2.90 lb)	2.44 kg (5.28 lb)	3.30 kg (7.26 lb)
Electromagnetic Compliance	Class (A or B)	A	A	A
Warranty Hardware*		3 years	3 years	3 years
Warranty Power Supply		Internal (same as switch)	Internal (same as switch)	Internal (same as switch)
ProSUPPORT Maintenance Contracts***	OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year	PMB0S12 PMB0S32 PMB0S52	PMB0312 PMB0332 PMB0352	PMB0312 PMB0332 PMB0352

Unmanaged Switches

Unmanaged, L2, Gigabit

MODEL		GS348	GS348PP
Port Configuration	10M/100M RJ45 Copper Ports (Auto Uplink)		
	10M/100M/1G RJ45 Copper Ports (Auto Uplink)	48	48
PoE	# of PoE Ports		24
	Power Over Ethernet 802.3af Ports		24
	PoE Plus (30W) 802.3at Ports		24
	Total PoE/PoE+ Budget		380W
Scalability	# MAC Addresses	8K	16k
	MAC Address Aging (sec)	300 sec	300-450 sec
Quality of Service	Number of Priority Queues		
	Traffic Prioritization	802.1p based QoS/CoS	802.1p based QoS/CoS
Performance	Bandwidth	96 Gbps	48 Gbps
	Buffer Memory	1.5 MB	1.5MB
	Jumbo Frames	9,216 bytes	12,888 bytes
Energy Efficiency	IEEE 802.3az	✔	✔
	Auto Power Down	✔	✔
	Max Power Consumption	23W	410W
Physical	Desktop/Rackmount	Desktop, Rackmount	Desktop Rackmount
	Metal/Plastic Enclosure	Metal	Metal
	MTBF @ 25°C	1,094,297 hrs (125 yrs)	570,972 hrs
	Fan(s)	None	2
	Width x Depth x Height	440 x 202 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)
	Weight	3.15 kg (6.95 lb)	4.56kg (10.05b)
Electromagnetic Compliance	Class (A or B)	A	A
Warranty Hardware*		3 years	3 years
Warranty Power Supply		Internal (same as switch)	3 years
ProSUPPORT Maintenance Contracts***	OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year	PMB0S12 PMB0S32 PMB0S52	PMB0S12 PMB0S32 PMB0S52

Unmanaged Switches

Unmanaged, L2, Gigabit

MODEL		GS105	GS108	GS108LP	GS108PP
Port Configuration	10M/100M RJ45 Copper Ports (Auto Uplink)				
	10M/100M/1G RJ45 Copper Ports (Auto Uplink)	5	8	8	8
PoE	# of PoE Ports			8	8
	Power Over Ethernet 802.3af Ports			8	8
	PoE Plus (30W) 802.3at Ports			✓	✓
	Total PoE/PoE+ Budget			60W	123W
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	802.1p based QoS/CoS	802.1p based QoS/CoS	802.1p based QoS/CoS	802.1p based QoS/CoS
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) 67.5W (with PoE max)	3.86W (no PoE) 130W (with PoE max)
Physical	Desktop/Rackmount	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	Lifetime* Limited	Lifetime* Limited	Lifetime* Limited
Warranty Power Supply		2 years	2 years	2 years	2 years
ProSUPPORT Maintenance Contracts***	OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year	PMB0S11 PMB0S31 PMB0S51	PMB0S11 PMB0S31 PMB0S51	PMB0S12 PMB0S32 PMB0S52	PMB0S12 PMB0S32 PMB0S52

Unmanaged Switches

Unmanaged, L2, Gigabit

MODEL		GS116	GS116LP	GS116PP	JGS516	JGS524
Port Configuration	10M/100M RJ45 Copper Ports (Auto Uplink)					
	10M/100M/1G RJ45 Copper Ports (Auto Uplink)	16	16	16	16	24
PoE	# of PoE Ports		16	16		
	Power Over Ethernet 802.3af Ports		16	16		
	PoE Plus (30W) 802.3at Ports		✓	✓		
	Total PoE/PoE+ Budget		76W	183W		
Scalability	# MAC Addresses	8K	4K	4K	8K	8K
	MAC Address Aging (sec)	300 sec	300 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	802.1p based QoS/CoS	802.1p based QoS/CoS
Performance	Bandwidth	32 Gbps	32 Gbps	32 Gbps	32 Gpbs	48 Gbps
	Buffer Memory	256 KB	1 MB	1 MB	256 KB	256 KB
	Jumbo Frames	9,216 bytes	9,216 bytes	9,216 bytes	9,216 bytes	9,216 bytes
Energy Efficiency	IEEE 802.3az	none	✓	✓	✓	✓
	Auto Port Power Down	✓	✓	✓	✓	✓
	Max Power Consumption	9.5W	12.9W (no PoE) 90W (with PoE max)	12.9W (no PoE) 200W (with PoE max)	11.8W	17.9W
Physical	Desktop/Rackmount	Desktop, Wallmount	Desktop/Wallmount/ Rackmount	Desktop/Wallmount/ Rackmount	Desktop/Rackmount	Desktop/Rackmount
	Metal/Plastic Enclosure	Metal	Metal	Metal	Metal	Metal
	MTBF @ 25°C	554,582 hrs (63 yrs)	2,362,192 hrs (270 yrs)	2,362,192 hrs (270 yrs)	441,123 hrs (50 yrs)	238,872 hrs (27 yrs)
	Fan(s)	None	None	None	None	None
	Width x Depth x Height	286 x 100 x 27 mm (11.3 x 3.9 x 1.1 in)	286 x 102 x 27 mm (11.3 x 4.0 x 1.1 in)	286 x 102 x 27 mm (11.3 x 4.0 x 1.1 in)	328 x 169 x 43 mm (12.9 x 6.7 x 1.7 in)	328 x 169 x 43 mm (12.9 x 8.2 x 1.7 in)
	Weight	0.90 kg (1.98 lb)	0.88 kg (1.94 lb)	0.88 kg (1.94 lb)	1.47 kg (3.57 lb)	1.65 kg (3.64 lb)
Electromagnetic Compliance	Class (A or B)	A	A	A	A	A
Warranty Hardware*		Lifetime* Limited	Lifetime* Limited	Lifetime* Limited	Lifetime* Limited	Lifetime* Limited
Warranty Power Supply		2 years	2 years	2 years	Internal (same as switch)	Internal (same as switch)
ProSUPPORT Maintenance Contracts***	OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year	PMB0S12 PMB0S32 PMB0S52	PMB0S12 PMB0S32 PMB0S52	PMB0S12 PMB0S32 PMB0S52	PMB0S12 PMB0S32 PMB0S52	PMB0S12 PMB0S32 PMB0S52

Unmanaged Switches

Unmanaged, L2, Gigabit

MODEL		GS516PP	GS516UP	GS524PP	GS524UP
Port Configuration	10M/100M/1G RJ45 Copper Ports (Auto Uplink)				
	100M/1G/2.5G/5G/10G RJ45 Copper Ports (Auto Uplink)	16	16	24	24
PoE	# of PoE ports	16	16	24	24
	Power Over Ethernet 802.3af Ports	16	16	24	24
	PoE Plus (30W) 802.3at Ports	16	16	24	24
	Ultra60 PoE++ (60W) 802.3bt Ports		8		16
	Total PoE/PoE+ Budget	260W	380W	300W	16
Scalability	# MAC Addresses	8K	8K	8K	8K
	MAC Address Aging (typical, sec)	300-450 sec	300-450 sec	300-450 sec	300-450 sec
Quality of Service	Traffic Prioritization	802.1p based QoS/CoS	802.1p based QoS/CoS	802.1p based QoS/CoS	802.1p based QoS/CoS
Performance	Bandwidth	32 Gbps	32 Gbps	48 Gbps	48 Gbps
	Buffer Memory	192 KB	192 KB	192 KB	192 KB
	Jumbo Frames	9,216 bytes	9,216 bytes	9,216 bytes	9,216 bytes
Energy Efficiency	IEEE 802.3az	✔	✔	✔	✔
	Auto Port Power Down	✔	✔	✔	✔
	Max Power Consumption	316.1W	456.8W	359.5W	578.8W
Physical	Desktop/Rackmount	Desktop/ Rackmount	Desktop/ Rackmount	Desktop/ Rackmount	Desktop/ Rackmount
	Metal/Plastic Enclosure	Metal	Metal	Metal	Metal
	MTBF @ 25°C	2415334 hrs	1213791 hrs	1457063 hrs	809853 hrs
	Fan(s)	2	3	2	2
	Width x Depth x Height	330 x 207 x 43 mm (12.99 in. x 8.15 in. x 1.7 in.)	330 x 207 x 43 mm (12.99 in. x 8.15 in. x 1.7 in.)	390 x 220 x 43 mm (15.4 in. x 8.7 in. x 1.7 in.)	390 x 220 x 43 mm (15.4 in. x 8.7 in. x 1.7 in.)
	Weight	2.30kg (5.07 lb)	2.60kg (5.73 lb)	2.89kg (6.37 lb)	3.10kg (6.83 lb)
Electromagnetic Compliance	(Class A or B)	A	A	A	A
Warranty	Hardware/Switch	Lifetime* Limited	Lifetime* Limited	Lifetime* Limited	Lifetime* Limited
	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 OnCall 24x7 3-year OnCall 24x7 5-year	PMB0311-10000S PMB0331-10000S PMB0351-10000S	PMB0311-10000S PMB0331-10000S PMB0351-10000S	PMB0311-10000S PMB0331-10000S PMB0351-10000S	PMB0311-10000S PMB0331-10000S PMB0351-10000S

Unmanaged Switches

Unmanaged, L2, 10G/Multi-Gig Switches

MODEL		XS505M	XS508M	GS110MX
Port Configuration	10M/100M/1G RJ45 Copper Ports (Auto Uplink)			8
	100M/1G/2.5G/5G/10G RJ45 Copper Ports (Auto Uplink)	4	8	2
	10G SFP+ Fiber Ports	1 SFP+ (dedicated)	1 Combo SFP+ (10G)	
PoE	# of PoE ports			
	# PoE+ 802.3at Ports			
	# of PD port			
	Total PoE/PoE+ Budget			
Scalability	# MAC Addresses	2K	2K	16K
	MAC Address Aging (typical, sec)	300 sec	300 sec	300 sec
Quality of Service	802.1p-based QoS/CoS	✔	✔	✔
Performance	Total Bandwidth (Non-Blocking Fabric) (Gbps)	10 Gbps	10 Gbps	56 Gbps
	Buffer Memory (Packet Buffer Size)	125 KB	125 KB	128 KB
	Jumbo Frames	9,216 bytes	9,216 bytes	10,240 bytes
Energy Efficiency	IEEE 802.3az	✔	✔	✔
	Auto Port Power Down	✔	✔	✔
	Short Cable Detection/Power Saving	✔	✔	✔
	Max Power Consumption	22.5W	39W	13.2W
Physical	Desktop/Rackmount	Desktop/Wallmount	Desktop/Wallmount	Desktop/Wallmount/Rackmount
	Metal/Plastic Enclosure	Metal	Metal	Metal
	MTBF @ 25°C	1,093,237 hrs (125 yrs)	1,145,157 hrs (131 yrs)	2,320,394 hrs (265 yrs)
	Fan(s)	1	1	None
	Acoustic Noise @ 25°C	22.5dBA	22.5dBA	0dBA
	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)	236 x 102 x 27 mm (9.3 x 4.0 x 1.1 in)
	Weight	1.38 kg (3.04 lb)	1.49 kg (3.28 lb)	0.74 kg (1.63 lb)
Electromagnetic Compliance	(Class A or B)	B	B	
Warranty	Hardware/Switch	Lifetime* Limited	Lifetime* Limited	Lifetime* Limited
	Power Supply	Internal (same as switch)	Internal (same as switch)	2 years
Modules		AGM731/AGM732F/AGM734/AXC761 AXC763/AXM761/AXM762/AXM763/AXM764	AGM731/AGM732F/AGM734/AXC761 AXC763/AXM761/AXM762/AXM763/AXM764	
ProSUPPORT Maintenance Contracts***	OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year	PMB0311 PMB0331 PMB0351	PMB0311 PMB0331 PMB0351	PMB0S12 PMB0S32 PMB0S52

Plus Switches – Plug-and-Play, Basic Network Control, and Web Management

Plus, L2, Gigabit

MODEL		GS105E	GS105PE	GS108E	GS116E
Port Configuration	10M/100M/1G RJ45 Copper Ports (Auto Uplink)	5	5	8	16
PoE	PoE (15.4W) 802.3af Ports		2		
	Total PoE/PoE+ Budget		PoE pass-thru: - With AT in: 19.0W - With AF in: 7.9W		
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/Number of VLAN Group	64	64	32	100
	Port Trunking/Link Aggregation (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) 22W (with PoE max)	4.5W	10W
Physical	Desktop/Rackmount	Desktop, Wallmount	Desktop, Wallmount	Desktop, Wallmount	Desktop, Wallmount
	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	0dB	0dB	0dB	0dB
	Width x Depth x Height	94 x 100 x 27 mm (3.7 x 3.9 x 1.1 in)	158 x 100 x 27 mm (6.2 x 3.9 x 1.1 in)	158 x 101 x 29 mm (6.2 x 4.0 x 1.1 in)	286 x 101 x 26 mm (11.3 x 4.0 x 1 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 OnCall 24x7 3-year OnCall 24x7 5-year	PMB0S11 PMB0S31 PMB0S51	PMB0S11 PMB0S31 PMB0S51	PMB0S11 PMB0S31 PMB0S51	PMB0S12 PMB0S32 PMB0S52

Plus Switches

Plus, L2, Gigabit

MODEL		GS305E	GS308E	GS305EP	GS305EPP
Port Configuration	10M/100M/1G RJ45 Copper Ports (Auto Uplink)	5	8	5	5
PoE	PoE (15.4W) 802.3af Ports				
	Total PoE/PoE+ Budget			4	4
Scalability	# MAC Addresses	2K	4K	4K	4K
	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	One-to-One	One-to-One
Quality of Service	Number of Priority Queues	4	4	4	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				
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	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
Traffic Management	Number of 802.1q VLAN/Number of VLAN Group	64	32	64	64
	Port Trunking/Link Aggregation (Manual Static LAGs)			Static LAG	Static LAG
	Rate Limiting	✔	✔	✔	✔
	Broadcast Storm Control	✔	✔	✔	✔
Energy Efficiency	IEEE 802.3az			✔	✔
	Auto Port Power Down			✔	✔
	Dynamic Power Consumption			✔	✔
	Max Power Consumption	2.6W	4.45W	6.0W (no PoE) 74.4W (with PoE max)	5.9W (no PoE) 141.4W (with PoE max)
Physical	Desktop/Rackmount	Desktop, Wallmount	Desktop, Wallmount	Desktop, Wallmount	Desktop, Wallmount
	Metal/Plastic Enclosure	Metal	Metal	Metal	Metal
	MTBF @ 25°C	2,531,294 hrs	2,525,259 hrs	859,126 hrs	842,428 hrs
	Fan(s)	None	None	None	None
	Acoustic Noise at 25°C	0dB	0dB	0dB	0dB
	Width x Depth x Height	94 x 100 x 27 mm (3.7 x 3.9 x 1.1 in)	158 x 101 x 29 mm (6.2 x 4 x 1.1 in)	158 x 101 x 27 mm (6.2 x 4.0 x 1.1 in)	158 x 101 x 27 mm (6.2 x 4.0 x 1.1 in)
	Weight	0.25 kg (0.55 lb)	0.50 kg (1.10 lb)	0.49 kg (1.08lb)	0.49 kg (1.08lb)
Electromagnetic Compliance	Class (A or B)	B	B		
Warranty Hardware*		5 years	5 years	5 years	5 years
Warranty Power Supply		External (same as switch)	External (same as switch)	2 years	2 years
ProSUPPORT Maintenance Contracts***	OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year	PMB0S11-10000S PMB0S31-10000S PMB0S51-10000S	PMB0S11-10000S PMB0S31-10000S PMB0S51-10000S	PMB0S11-10000S PMB0S31-10000S PMB0S51-10000S	PMB0S11-10000S PMB0S31-10000S PMB0S51-10000S

Plus Switches

Plus, L2, Gigabit

MODEL		GS308EP	GS308EPP	GS316EP	GS316EPP
Port Configuration	10M/100M/1G RJ45 Copper Ports (Auto Uplink)	8	8	16	16
PoE	PoE (15.4W) 802.3af Ports			15	15
	Total PoE/PoE+ Budget	8	8	180W	231W
Scalability	# MAC Addresses	4K	4K	4K	4K
	Dynamic MAC	✓	✓	✓	✓
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	One-to-One	One-to-One
Quality of Service	Number of Priority Queues	4	4	4	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				
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		
	Buffer Memory	192 KB	192 KB	192 KB	192 KB
	Jumbo Frames	9,216 bytes	9,216 bytes	10000 bytes	10000 bytes
Traffic Management	Number of 802.1q VLAN/Number of VLAN Group	64	64	64	64
	Port Trunking/Link Aggregation (Manual Static LAGs)	Static LAG	Static LAG	Static LAG	Static LAG
	Rate Limiting	✓	✓	✓	✓
	Broadcast Storm Control	✓	✓	✓	✓
Energy Efficiency	IEEE 802.3az	✓	✓	✓	✓
	Auto Port Power Down	✓	✓	✓	✓
	Dynamic Power Consumption	✓	✓	✓	✓
	Max Power Consumption	4.9W (no PoE) 74.7W (with PoE max)	4.5W (no PoE) 137.8W (with PoE max)	10.09W (no PoE) 198.72W (with PoE MAX)	10.2W (no PoE) 250.56W (with PoE MAX
Physical	Desktop/Rackmount	Desktop, Wallmount	Desktop, Wallmount	Desktop, Wallmount	Desktop, Wallmount
	Metal/Plastic Enclosure	Metal	Metal	Metal	Metal
	MTBF @ 25°C	1,164,104 hr	853,770 hr	784,742 hrs	570,435 hrs
	Fan(s)	None	None	None	None
	Acoustic Noise at 25°C	0dB	0dB	0dB	0dB
	Width x Depth x Height	158 x 101 x 27 mm (6.2 x 4.0 x 1.1 in)	158 x 101 x 27 mm (6.2 x 4.0 x 1.1 in)	286 x 102 x 27 mm (11.26 x 4.02 x 1.06 in	286 x 102 x 27 mm (11.26 x 4.02 x 1.06 in
	Weight	0.39 kg (0.86lb)	0.40 kg (0.88lb)	0.883 kg (1.95 lb)	0.883 kg (1.95 lb)
Electromagnetic Compliance	Class (A or B)				
Warranty Hardware*		5 years	5 years	5 years	5 years
Warranty Power Supply		2 years	2 years	2 years	2 years
ProSUPPORT Maintenance Contracts***	OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year	PMB0S11-10000S PMB0S31-10000S PMB0S51-10000S	PMB0S11-10000S PMB0S31-10000S PMB0S51-10000S	PMB0S11-10000S PMB0S31-10000S PMB0S51-10000S	PMB0S11-10000S PMB0S31-10000S PMB0S51-10000S

Plus Switches

Plus, L2, Gigabit

MODEL		JGS516PE	JGS524E	JGS524PE	GS750E
Port Configuration	10M/100M/1G RJ45 Copper Ports (Auto Uplink)	16	24	24	48
	10G SFP+ Fiber Ports				2 Combo SFP
PoE	PoE (15.4W) 802.3af Ports	8		12	
	Total PoE/PoE+ Budget	85W		100W	
Scalability	# MAC Addresses	16K	16K	16K	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	8
	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				✓
Multicast Filtering	IGMP Snooping Version	v1, v2 and v3	v1, v2 and v3	v1, v2 and v3	v1, v2, and v3
Performance	Bandwidth	32 Gbps	48 Gbps	48 Gbps	100 Gbps
	Buffer Memory	768 KB	768 KB	768 KB	1.5 MB
	Jumbo Frames	9,216 bytes	9,216 bytes	9,216 bytes	9,216 bytes
Traffic Management	Number of 802.1q VLAN/Number of VLAN Group	100	100	100	4096
	Port Trunking/Link Aggregation (Manual Static LAGs)	Static LAG	Static LAG	Static LAG	Static LAG
	Rate Limiting	✓	✓	✓	✓
	Broadcast Storm Control	✓	✓	✓	✓
Energy Efficiency	IEEE 802.3az	✓	✓	✓	✓
	Auto Port Power Down	✓	✓	✓	✓
	Dynamic Power Consumption	✓	✓	✓	✓
	Max Power Consumption	25W (no PoE) 110W (with PoE max)	13.8W	23W (no PoE) 123W (with PoE max)	30W
Physical	Desktop/Rackmount	Desktop, Rackmount	Desktop, Rackmount	Desktop, Rackmount	Desktop, Rackmount
	Metal/Plastic Enclosure	Metal	Metal	Metal	Metal
	MTBF @ 25°C	840,354 hrs (96 yrs)	243,476 hrs (28 yrs)	643,506 hrs (74 yrs)	1,055,076 hrs (121 yrs)
	Fan(s)	1	None	1	None
	Acoustic Noise at 25°C	24.5dB	0dB	24.5dB	0dB
	Width x Depth x Height	328 x 170 x 43 mm (12.9 x 6.7 x 1.7 in)	328 x 170 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)	440 x 204 x 43 mm (17.3 x 8.0 x 1.7 in)
	Weight	1.67 kg (3.68 lb)	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	A	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)
Modules					AGM731F/AGM732F/AGM734
ProSUPPORT Maintenance Contracts***	OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year	PMB0S12 PMB0S32 PMB0S52	PMB0S12 PMB0S32 PMB0S52	PMB0S12 PMB0S32 PMB0S52	PMB0311 PMB0331 PMB0351

Plus Switches

		Plus, L2, Gigabit with 10G/Multi-Gig Uplinks	Plus, L2, 10G/Multigig	
MODEL		**GS110EMX**	**XS512EM**	**XS724EM**
Port Configuration	10M/100M/1G RJ45 Copper Ports (Auto Uplink)	8		
	1G/10GBASE-T RJ45 Copper Ports (Auto Uplink)			
	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)
Scalability	# MAC Addresses	16K	32K	32K
	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	8	8	8
	Traffic Prioritization	802.1p, Port-based (CoS)	802.1p, Port-based (CoS)	802.1p, Port-based (CoS)
Multicast Filtering	IGMP Snooping Version	v1, v2 and v3	v1, v2 and v3	v1, v2 and v3
Performance	Bandwidth	56 Gbps	240 Gbps	480 Gbps
	Buffer Memory	2 MB	3 MB	3 MB
	Jumbo Frames	10,240 bytes	9,216 bytes	9,216 bytes
Traffic Management	Number of 802.1q VLAN/Number of VLAN Group	64	64	64
	Port Trunking/Link Aggregation (Manual Static LAGs)	Static, LACP	Static, LACP	Static, LACP
	Rate Limiting	✓	✓	✓
	Broadcast Storm Control	✓	✓	✓
Energy Efficiency	IEEE 802.3az	✓	✓	✓
	Auto Port Power Down	✓		
	Dynamic Power Consumption	✓		
	Max Power Consumption	15.6W	75.6W	150.5W
Physical	Desktop/Rackmount	Desktop, Rackmount	Desktop, Rackmount	Desktop, Rackmount
	Metal/Plastic Enclosure	Metal	Metal	Metal
	MTBF @ 25°C	1,572,337 hrs (180 yrs)	1,113,477 hrs (127 yrs)	830,493 hrs (95 yrs)
	Fan(s)	None	2	3
	Acoustic Noise at 25°C	0dB	Idle : 29.13dB@25dC/ Full load: 40.85dB@55dC	Idle: 35.91dB@25dC Full load: 56.87dB@55dC
	Width x Depth x Height	236 x 102 x 27 mm (9.3 x 4.0 x 1.1 in)	328 x 204 x 43 mm (12.9 x 8.0 x 1.7 in)	440 x 204 x 43 mm (17.3 x 8.0 x 1.7 in)
	Weight	0.75 kg (1.65 lb)	2.51 kg (5.54 lb)	3.72 kg (8.20 lb)
Electromagnetic Compliance	Class (A or B)	B	A	A
Warranty Hardware*		Lifetime* Limited	Lifetime* Limited	Lifetime* Limited
Warranty Power Supply		2 years	Internal (same as switch)	Internal (same as switch)
Modules			AGM731F/AGM732F/AGM734 AXM761/AXM762/AXM763 AXM764/AXC753 /AXC761 AXC763	AGM731F/AGM732F/AGM734 AXM761/AXM762/AXM763 AXM764/AXC753 /AXC761 AXC763
ProSUPPORT Maintenance Contracts***	OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year	PMB0S12 PMB0S32 PMB0S52	PMB0S12 PMB0S32 PMB0S52	PMB0312 PMB0332 PMB0352

Plus Switches

		Plus, L2, 10G Ethernet	
MODEL		**XS708EV2**	**XS716E**
Port Configuration	10M/100M/1G RJ45 Copper Ports (Auto Uplink)		
	1G/10GBASE-T RJ45 Copper Ports (Auto Uplink)	8	16
	10G SFP+ Fiber Ports	1 Combo SFP+ (10G)	1 Combo SFP+ (10G)
PoE	PoE (15.4W) 802.3af Ports		
	Total PoE/PoE+ Budget		
Scalability	# MAC Addresses	16K	16K
	Web Managed/GUI	✓	✓
System Management	Single IP Management	✓	✓
	Web Managed/GUI	✓	✓
	DHCP (Client/Server)	DHCP Client	DHCP Client
	Port Mirroring	Many-to-one	Many-to-one
Quality of Service	Number of Priority Queues	4	4
	Traffic Prioritization	802.1p, Port-based (CoS)	802.1p, Port-based (CoS)
	Auto Voice VLAN		
Multicast Filtering	IGMP Snooping Version	v1, v2	v1, v2
Performance	Bandwidth	160 Gbps	160 Gbps
	Buffer Memory	16 MB	16 MB
	Jumbo Frames	9,216 bytes	9,216 bytes
Traffic Management	Number of 802.1q VLAN/Number of VLAN Group	64	64
	Port Trunking/Link Aggregation (Manual Static LAGs)		
	Rate Limiting	✓	✓
	Broadcast Storm Control	✓	✓
Energy Efficiency	IEEE 802.3az	✓	✓
	Auto Port Power Down	✓	✓
	Dynamic Power Consumption		
	Max Power Consumption	44W	62W
Physical	Desktop/Rackmount	Desktop, Rackmount	Desktop, Rackmount
	Metal/Plastic Enclosure	Metal	Metal
	MTBF @ 25°C	397,731 hrs (45 yrs)	348,257 hrs (40 yrs)
	Fan(s)	2	2
	Acoustic Noise at 25°C	36.7dB	33.9dB
	Width x Depth x Height	440 x 204 x 43 mm (17.3 x 8.0 x 1.7 in)	440 x 204 x 43 mm (17.3 x 8.0 x 1.7 in)
	Weight	2.80 kg (6.17 lb)	3.20 kg (7.07 lb)
Electromagnetic Compliance	Class (A or B)	A	A
Warranty Hardware*		Lifetime* Limited	Lifetime* Limited
Warranty Power Supply		Internal (same as switch)	Internal (same as switch)
Modules		AGM731F/AGM732F/AGM734 AXM761/AXM762/AXM763 AXM764/AXC753 /AXC761 AXC763	AGM731F/AGM732F/AGM734 AXM761/AXM762/AXM763 AXM764/AXC753 /AXC761 AXC763
ProSUPPORT Maintenance Contracts***	OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year	PMB0311 PMB0331 PMB0351	PMB0312 PMB0332 PMB0352

Smart Switches – Advanced Network Control & Security with Web Management

Smart, L2, 10/100 Fast Ethernet

MODEL	FS728TPv2	GS308T	GS310TP
Port Configuration			
10/100 RJ45 Ports (Auto Uplink)	24		
10/100/1000 RJ45 Ports (Auto Uplink)	4	8	8
Fiber Ports	2 SFP		2 SFP
PoE			
Power Over Ethernet 802.3af Ports	24		
PoE Plus (30W) 802.3at Ports			8
Total PoE Budget	192W		55 Watts
Scalability			
# MAC Addresses	4,000	8000	8000
# ACL Rules	128	100	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	8	8
Traffic Prioritization	802.1p, DSCP, Diffserv	802.1p, DSCP,TCP/UDP Diffserv	802.1p, DSCP,TCP/UDP Diffserv
Auto Voice VLAN	✓	✓	✓
Multicast Filtering			
IGMP Snooping Version	v1, v2, v3	v1, v2, v3	v1, v2, v3
IGMP Snooping Querier	✓	✓	✓
Performance			
Bandwidth	12.8 Gbps	16 Gbps	20 Gbps
Buffer Memory	1 MB Per System	512 KB Per Unit	512 KB Per Unit
Jumbo Frames	9,216	10,000	10,000
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	128	64	64
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	MAC, IP	MAC, IP
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	256W	6.4 Watts	15.1 Watts without PoE 69.3 Watts with PoE Max
Physical			
Desktop/Rackmount	Rackmount	Desktop	Desktop
Metal/Plastic Enclosure	Metal	Metal	Metal
MTBF @ 25°C	237,497 hrs (27 yrs)	2,957,592 hrs (337 yrs)	1,081,119 hrs (123yrs)
Fan(s)	1	None	None
Acoustic Noise @ 25°C	38.1dBA	0 dBA	0 dBA
Width x Depth x Height	440 x 257 x 43 mm (17.3 x 10.1 x 1.7 in)	158 x 101 x 30 mm (6.2 x 4.0 x 1.2 in)	36 x 101 x 30 mm (9.3 x 4.0 x 1.2 in)
Weight	3.60 kg (7.92 lb)	0.41kg (0.9 lb)	0.61kg (1.34 lb)
Electromagnetic Compliance			
Class (A or B)	A	B	B
Warranty Hardware	Lifetime	5 year	5 year
Warranty Power Supply	Lifetime	2 year	2 year
Modules	AGM731F/732F		AGM731F/AGM732F/AGM734
ProSUPPORT Maintenance PKGS	OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year	PMB0311 PMB0331 PMB0351	PMB0S31	PMB0S32

Smart Switches

Smart, L2, 10/100 Fast Ethernet

MODEL	GS324T	GS324TP	GS348T
Port Configuration			
10/100 RJ45 Ports (Auto Uplink)			
10/100/1000 RJ45 Ports (Auto Uplink)	24	24	48
Fiber Ports	2 SFP	2 SFP	4 SFP
10Gig Module Bays			
PoE			
Power Over Ethernet 802.3af Ports			
PoE Plus (30W) 802.3at Ports		24	
Total PoE Budget		190 Watts	
Scalability			
# MAC Addresses	16000	16000	16000
ARP Table - Size of			
# Routing Entries			
# ACL Rules	100	100	100
System Management			
Single IP 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)	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	52 Gbps	52 Gbps	104 Gbps
Buffer Memory	512 KB Per Unit	512 KB Per Unit	1.5MB Per Unit
Jumbo Frames	9,216	9,216	9,216
Availability			
Spanning Tree 802.1d/RSTP .1w/MSTP .1s	802.1d, .1w, .1s	802.1d, .1w, .1s	802.1d, .1w, .1s
Traffic Management			
Number of 802.1q VLAN/ Number of VLAN Group	64	64	64
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	MAC, IP	MAC, IP
SSL/SSH & HTTPS	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	13.5 Watts	16.3 Watts without PoE 229.9 Watts with PoE Max	39.1 Watts
Physical			
Desktop/Rackmount	Rackmount	Rackmount	Rackmount
Metal/Plastic Enclosure	Metal	Metal	Metal
MTBF @ 25°C	1,999,946.7 hrs (228 yrs)	1,328,429.4 hrs (152 yrs)	1,271,842 hrs (145 yrs)
Fan(s)	None	2	1
Acoustic Noise @ 25°C	0 dBA	32.8 dBA	26.0 dBA
Width x Depth x Height	328 x 169 x 43 mm (12.9 x 6.7 x 1.7 in)	330 x 206 x 43 mm (13 x 8.1 x 1.7 in)	440 x 206 x 43 mm (17.3 x 8.1 x 1.7 in)
Weight	1.62 kg (3.57 lb)	2.69 kg (5.93 lb)	3.05 kg (6.72 lb)
Electromagnetic Compliance			
Class (A or B)	B	B	B
Warranty Hardware*	5 year	5 year	5 year
Warranty Power Supply	5 year	5 year	5 year
Modules	AGM731F AGM732F AGM734	AGM731F AGM732F AGM734	AGM731F AGM732F AGM734
ProSUPPORT Maintenance PKGS*	OnCall 24x7 3-year	PMB0S32	PMB0331	PMB0331

Smart Switches

Smart, L2, Gigabit   Smart, L2+ with static routing, Gigabit

MODEL		GS716Tv3	GS510TLP	GS510TPP
Port Configuration	10/100/1000 RJ45 Ports (Auto Uplink)	16	8	8
	Fiber Ports	2 dedicated SFP	2	2
PoE	Power Over Ethernet 802.3af Ports			
	PoE Plus (30W) 802.3at Ports		8	8
	Total PoE Budget		75W	190W
Scalability	# MAC Addresses	16,000	16K	16K
	ARP Table - Size of	512	479	479
	# Routing Entries	32	32	32
	# ACL Rules	100	100	100
System Management	Web Managed/GUI	✓	✓	✓
	Insight Management		Yes	Yes
	SNMP Version	v1, v2c, v3	v1, v2c, v3	v1, v2c, v3
	RMON Group	1,2,3,9	Yes	Yes
	DHCP (Client/Server)	Client	Client	Client
	Port Mirroring	Many-to-One	Yes	Yes
	IPv6 full set	✓	Yes	Yes
Quality of Service	Number of Priority Queues	8	8	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	32 Gbps	20 Gbps	20 Gbps
	Buffer Memory	2 MB Per System	1.5 MB per system	1.5 MB per system
	Jumbo Frames	9,216	9,216	9,216
Availability	Spanning Tree 802.1d/RSTP .1w/MSTP .1s	802.1d, .1w, .1s	802.1d, .1w, .1s	802.1d, .1w, .1s
Traffic Management	Number of 802.1q VLAN/Number of VLAN Group	256		
	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	MAC, IP, TCP	MAC, IP, TCP
	SSL/SSH & HTTPS	SSL/HTTPS	SSL/HTTPS	SSL/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	14.4W	101W	225W
Physical	Desktop/Rackmount	Rackmount	Desktop/Rackmount	Desktop/Rackmount
	Metal/Plastic Enclosure	Metal	Metal	Metal
	MTBF @ 25°C	726,612 hrs (83 yrs)	913,368 hrs (104 yrs)	1,509,979 hrs (172 yrs)
	Fan(s)	None	None	1
	Acoustic Noise @ 25°C	0dBA	0dBA	32dBA
	Width x Depth x Height	440 x 204 x 43 mm (1.7 x 17.3 x 8.0 in)	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	2.72 kg (5.99 lb)	1.74 kg (3.84 lb)	1.83 kg (4.03 lb)
Electromagnetic Compliance	Class (A or B)	A	A	A
Warranty Hardware		Lifetime	Lifetime	Lifetime
Warranty Power Supply		Lifetime	Lifetime	Lifetime
Modules		AGM731F/732F	AGM731F/AGM732F/AGM734	AGM731F/AGM732F/AGM734
ProSUPPORT Maintenance PKGS	OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year	PMB0S12 PMB0S32 PMB0S52	PMB0S12 PMB0S32 PMB0S52	PMB0311 PMB0331 PMB0351

Smart Switches

Smart, L2+ with static routing, Gigabit

MODEL		GS724Tv4	GS748Tv5
Port Configuration	10/100 RJ45 Ports (Auto Uplink)		
	10/100/1000 RJ45 Ports (Auto Uplink)	24	48
	Fiber Ports	2 dedicated SFP	2 dedicated and 2 combo SFP
PoE	Power Over Ethernet 802.3af Ports		
	PoE Plus (30W) 802.3at Ports		
	Total PoE Budget		
Scalability	# MAC Addresses	16,000	16,000
	ARP Table - Size of	512	512
	# Routing Entries	32	32
	# ACL Rules	100	100
System Management	Single IP Management		
	Web Managed/GUI	✓	✓
	Insight Cloud Management Option		
	Command Line Interface/RS232 Console/Telnet		
	SNMP Version	v1, v2c, v3	v1, v2c, v3
	RMON Group	1,2,3,9	1,2,3,9
	DHCP (Client/Server)	Client	Client
	Port Mirroring	Many-to-One	Many-to-One
	IPv6 full set	✓	✓
Optional Unified Network Management	Discovery, setup, monitoring and management via NETGEAR Insight mobile app or Insight Cloud Portal		
Optional Discovery, Setup, Monitoring & Management	Remote/Cloud management		
	Centralized network configuration (policies) across Insight Managed Switches, Wireless Access Points, and Business-class ReadyNAS Storage		
	Additional devices auto-join and inherit network configuration (zero-touch provisioning)		
	Multi-site, multi-network management in a single pane-of-glass view		
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	48 Gbps	100 Gbps
	Buffer Memory	2 MB Per System	2 MB Per System
	Jumbo Frames	9,216	9,216
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 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	MAC, IP
	SSL/SSH & HTTPS	SSL/HTTPS	SSL/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	17.4W	41.1W
Physical	Desktop/Rackmount	Rackmount	Rackmount
	Metal/Plastic Enclosure	Metal	Metal
	MTBF @ 25°C	567,680 hrs (65 yrs)	390,728 hrs (45 yrs)
	Fan(s)	None	2
	Acoustic Noise @ 25°C	0dBA	37.2dBA
	Width x Depth x Height	440 x 204 x 43 mm (1.7 x 17.3 x 8.0 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)
Electromagnetic Compliance	Class (A or B)	A	A
Warranty Hardware		Lifetime	Lifetime
Warranty Power Supply		Lifetime	Lifetime
Modules		AGM731F/AGM732F/AGM734	AGM731F/AGM732F/AGM734 (for combo port only)
ProSUPPORT Maintenance PKGS	OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year	PMB0311 PMB0331 PMB0351	PMB0311 PMB0331 PMB0351

Smart Switches

Smart, 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	24 / 2 10GBase-T	48 / 2 10GBase-T
	Fiber Ports	4 SFP	4 SFP	2 SFP+ (10G)	2 SFP+ (10G)
PoE	Power Over Ethernet 802.3af Ports		48		
	PoE Plus (30W) 802.3at Ports		8		
	Total PoE Budget		384W		
Stacking	Number of Dedicated Stacking Ports	2 SFP (2.5G)	2 SFP (2.5G)	Up to 2 10G ports	Up to 2 10G ports
	Stacking Bandwidth	10 Gbps	10 Gbps	40 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
Scalability	# MAC Addresses	16,000	16,000	16,000	16,000
	ARP Table – Size of	1,024	1,024	512	512
	# Routing Entries	32	32	32	32
	# ACL Rules	100	100	100	100
System Management	Single IP Management	✓	✓	✓	✓
	Web Managed/GUI	✓	✓	✓	✓
	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/Relay)	Client	Client	Client/L2 Relay	Client/L2 Relay
	Port Mirroring	Many-to-One	Many-to-One	Many-to-One	Many-to-One
	IPv6 full set	✓	✓	✓	✓
Quality of Service	Number of Priority Queues	8	8	8	8
	Traffic Prioritization	802.1p	802.1p, DSCP	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	v1, v2, v3
	IGMP Snooping Querier	✓	✓	✓	✓
Performance	Bandwidth	104 Gbps	104 Gbps	128 Gbps	176 Gbps
	Buffer Memory	16 MB Per System	2 MB Per System	2 MB Per System	2 MB Per System
	Jumbo Frames	9,216	9,216	9,216	9,216
Availability	Spanning Tree 802.1d/RSTP .1w/MSTP .1s	802.1d, .1w, .1s	802.1d, .1w, .1s	802.1d, .1w, .1s	802.1d, .1w, .1s
Traffic Management	Number of 802.1q VLAN/Number of VLAN Group	256	256	256	256
	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	MAC, IP	MAC, IP, TCP	MAC, IP, TCP
	SSL/SSH & HTTPS	HTTPS	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	77W	527W	28.18W	748.18W
Physical	Desktop/Rackmount	Rackmount	Rackmount	Rackmount	Rackmount
	Metal/Plastic Enclosure	Metal	Metal	Metal	Metal
	MTBF @ 25°C	303,219 hrs (35 yrs)	206,539 hrs (24 yrs)	278,559 hrs (32 yrs)	147,965 hrs (17 yrs)
	Fan(s)	2	2	2	2
	Acoustic Noise @ 25°C	34.8dBA	42.7dBA	40dBA	39dBA
	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)	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)	3.67 kg (8.10 lb)
Electromagnetic Compliance	Class (A or B)	A	A	A	A
Warranty Hardware		Lifetime	Lifetime	Lifetime	Lifetime
Warranty Power Supply		Lifetime	Lifetime	Lifetime	Lifetime
Modules		AGM731F/AGM732F/AGM734/AGC761	AGM731F/AGM732F/AGM734/AGC761	AXM761/AXM762/AXM763/AXM764 AXC761/AXC763 Requires 10G module for stacking	AXM761/AXM762/AXM763/AXM764 AXC761/AXC763 Requires 10G module for stacking
ProSUPPORT Maintenance PKGS	OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year	PMB0312 PMB0332 PMB0352	PMB0312 PMB0332 PMB0352	PMB0312 PMB0332 PMB0352	PMB0312 PMB0332 PMB0352

Smart Switches

Smart, L2+ with static routing, Gigabit

MODEL		S3300-28X-POE+ (GS728TXP)	S3300-52X-POE+ (GS752TXP)
Port Configuration	10/100/1000 RJ45 Ports (Auto Uplink)	24 / 2 10GBase-T	48 / 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	512
	# Routing Entries	32	32
	# ACL Rules	480	480
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
	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	9,216	9,216
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 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	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	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	A
Warranty Hardware		Lifetime	Lifetime
Warranty Power Supply		Lifetime	Lifetime
Modules		AXM761/AXM762/AXM763 AXC761/AXC763 Requires 10G module for stacking	AXM761/AXM762/AXM763 AXC761/AXC763 Requires 10G module for stacking
ProSUPPORT Maintenance PKGS	OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year	PMB0312 PMB0332 PMB0352	PMB0313 PMB0333 PMB0353

Smart Switches

Smart, L2+ with static routing, Multi-Gigabit

MODEL		MS510TX	MS510TXPP
Port Configuration	10/100 RJ45 Ports (Auto Uplink)	N/A	N/A
	10/100/1000 RJ45 Ports (Auto Uplink)	4x1G/2x2.5G/2x5G/1x10GBase-T	4x1G/2x2.5G/2x5G/1x10GBase-T
	Fiber Ports	1 SFP+ (10G)	1 SFP+ (10G)
PoE	Power Over Ethernet 802.3af Ports		
	PoE Plus (30W) 802.3at Ports		8 (PoE+)
	Ultra60 PoE++ (60W) 802.3bt Ports		
	Total PoE Budget		180W
Stacking	Number of Dedicated Stacking Ports		
	Stacking Bandwidth		
	Stacking (maximum capacity)		
	Stacking Compatibility		
Scalability	# MAC Addresses	16,000	16,000
	ARP Table – Size of	512	512
	# Routing Entries	32	32
	# ACL Rules	164	164
System Management	Single IP Management		
	Web Managed/GUI	✔	✔
	Insight Cloud Management Option		
	Command Line Interface/RS232 Console/Telnet	N/A	N/A
	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	✔	✔
Optional Unified Network Management	Discovery, setup, monitoring and management via NETGEAR Insight mobile app or Insight Cloud Portal		
Optional Discovery, Setup, Monitoring & Management	Remote/Cloud management		
	Centralized network configuration (policies) across Insight Managed Switches, Wireless Access Points, and Business-class ReadyNAS Storage		
	Additional devices auto-join and inherit network configuration (zero-touch provisioning)		
	Multi-site, multi-network management in a single pane-of-glass view		
Quality of Service	Number of Priority Queues	8	8
	Traffic Prioritization	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	10,240	10,240
Availability	Spanning Tree 802.1d/RSTP .1w/MSTP .1s	802.1d, .1w, .1s	802.1d, .1w, .1s
	RPS Redundant Power Supply	N/A	N/A
Traffic Management	Number of 802.1q VLAN/Number of VLAN Group	256	256
	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	HTTPS	HTTPS
	Guest VLAN	✔	✔
	DHCP Snooping/IP Source Guard/ARP Guard	✔	✔
	TACACS+	✔	✔
Energy Efficiency	EEE 802.3az	✔	✔
	Auto Port Power Down	✔	✔
	Dynamic Power Consumption	✔	✔
	Max Power Consumption	26.1W	234.31W
Physical	Desktop/Rackmount	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	A
Warranty Hardware*		Lifetime	Lifetime
Warranty Power Supply		Lifetime	Lifetime
Modules		AGM731F/AGM732F/AGM734/AX/...M761/AXM762/AXM764/AXC761/AXC763	AGM731F/AGM732F/AGM734/AXM761/AXM762/AXM764/AXC761/AXC763
ProSUPPORT Maintenance PKGS	OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year	PMB0312 PMB0332 PMB0352	PMB0312 PMB0332 PMB0352

Smart Switches

Smart, L2+ with static routing, 10-Gigabit

MODEL		XS708T	XS712Tv2	XS716T	XS728T	XS748T
Port Configuration	10/100 RJ45 Ports (Auto Uplink)					
	10/100/1000 RJ45 Ports (Auto Uplink)	8 10GBase-T	12 10GBase-T	16 10GBase-T	24 10GBase-T	44 10GBase-T
	Fiber Ports	2 Combo SFP+ (10G)	2 Combo SFP+ (10G)	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	16,000	16,000	32,000	32,000
	ARP Table – Size of	738	738	738	1,024	1,024
	# Routing Entries	32	32	32	64	64
	# ACL Rules	100	100	100	164	164
System Management	Single IP Management	✔		✔	✔	✔
	Web Managed/GUI	✔	✔	✔	✔	✔
	Command Line Interface/RS232 Console/Telnet			N/A		
	SNMP Version	v1, v2c, v3	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	1,2,3,9
	DHCP (Client/Server/Relay)	Client/L2 Relay	Client/L2 Relay	Client/L2 Relay	Client/L2 Relay	Client/L2 Relay
	Port Mirroring	Many-to-One	Many-to-One	Many-to-One	Many-to-One	Many-to-One
	IPv6 full set	✔	✔	✔	✔	✔
Quality of Service	Number of Priority Queues	8	8	8	8	8
	Traffic Prioritization	802.1p; Diffserv; TCP/UDP	802.1p; Diffserv; TCP/UDP	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	v1, v2, v3	v1, v2, v3
	IGMP Snooping Querier	✔	✔	✔	✔	✔
Performance	Bandwidth	160Gbps	320 Gbps	320 Gbps	560 Gbps	960 Gbps
	Buffer Memory	2 MB Per System	2 MB Per System	2 MB Per System	3 MB Per System	3 MB Per System
	Jumbo Frames	9,216	9,216	9,216	10,240	10,240
Availability	Spanning Tree 802.1d/RSTP .1w/MSTP .1s	802.1d, .1w, .1s	802.1d, .1w, .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	256	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	MAC, IP, TCP	MAC, IP, TCP
	SSL/SSH & HTTPS	HTTPS	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	49.5W	75.3W	96.0W	134.9W	262.8W
Physical	Desktop/Rackmount	Rackmount	Rackmount	Rackmount	Rackmount	Rackmount
	Metal/Plastic Enclosure	Metal	Metal	Metal	Metal	Metal
	MTBF @ 25°C	276,197 hrs (32 yrs)	938,178 hrs (107 yrs)	276,832 hrs (32 yrs)	514,977 hrs (59 yrs)	483,808 hrs (55 yrs)
	Fan(s)	2	2	2	4	4
	Acoustic Noise @ 25°C	27.4dBA	29.1dBA	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 204 x 43 mm (17.3 x 8.0 x 1.7 in)	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	2.61 kg (5.76 lb)	2.87 kg (6.33 lb)	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	A	A
Warranty Hardware		Lifetime	Lifetime	Lifetime	Lifetime	Lifetime
Warranty Power Supply		Lifetime	Lifetime	Lifetime	Lifetime	Lifetime
Modules		AGM731F/.../...AGM732F/AGM734/AXM761/AXM762/AXM763/AXM764AXC761/AXC763	AGM731F/AGM732F/AGM734/AXM761/AXM762/AXM763/AXM764AXC761/AXC763	AGM731F/AGM732F/AGM734/AXM761/AXM762/AXM763/AXM764AXC761/AXC763	AGM731F/AGM732F/AGM734/AXM761/AXM762/AXM763/AXM764AXC761/AXC763	AGM731F/AGM732F/AGM734/AXM761/AXM762/AXM763/AXM764AXC761/AXC763
ProSUPPORT Maintenance PKGS	OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year	PMB0311 PMB0331 PMB0351	PMB0312 PMB0332 PMB0352	PMB0312 PMB0332 PMB0352	PMB0313 PMB0333 PMB0353	PMB0314 PMB0334 PMB0354

Smart Switches
with Optional Insight Remote/Cloud Management

Smart with Cloud, L2/L2+/L3 Lite, Gigabit

MODEL		GS108Tv3	GS110TPv3	GS110TPP
Port Configuration	10/100 RJ45 Ports (Auto Uplink)			
	10/100/1000 RJ45 Ports (Auto Uplink)	8	8	10
	Fiber Ports		2 SFP	
PoE	Power Over Ethernet 802.3af Ports		8	8
	PoE Plus (30W) 802.3at Ports		8	8
	Total PoE Budget		55 Watts	120 Watts†
Scalability	# MAC Addresses	8,000	8,000	8,000
	ARP Table – Size of	512	512	512
	# Routing Entries	32	32	32
	# ACL Rules	100	100	100
System Management	Single IP Management	✓	✓	✓
	Web Managed/GUI	✓	✓	✓
	Insight Cloud Management Option	✓	✓	✓
	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	Client	Client
	Port Mirroring	Many-to-One	Many-to-One	Many-to-One
	IPv6 full set			
Optional Unified Network Management	Discovery, setup, monitoring and management via NETGEAR Insight mobile app or Insight Cloud Portal	✓	✓	✓
Optional Discovery, Setup, Monitoring & Management	Remote/Cloud management	✓	✓	✓
	Centralized network configuration (policies) across Insight Managed Switches, Wireless Access Points, and Business-class ReadyNAS Storage	✓	✓	✓
	Additional devices auto-join and inherit network configuration (zero-touch provisioning)	✓	✓	✓
	Multi-site, multi-network management in a single pane-of-glass view	✓	✓	✓
Quality of Service	Number of Priority Queues	8	8	8
	Traffic Prioritization	802.1p, DSCP, Diffserv, TCP/UDP	802.1p, DSCP, Diffserv, TCP/UDP	802.1p, DSCP, 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	16 Gbps	20 Gbps	20 Gbps
	Buffer Memory	512 KB Per Unit	512 KB Per Unit	512 KB Per Unit
	Jumbo Frames	10,000	10,000	10,000
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	64	64	64
	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	MAC, IP	MAC, IP
	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	5.75 Watts if powered by PoE via port 5.5 Watts (DC)	69.5W (with PoE max)	141.3W(with PoE max)
Physical	Desktop/Rackmount	Desktop	Desktop	Desktop
	Metal/Plastic Enclosure	Metal	Metal	Metal
	MTBF @ 25°C	2,388,657 hrs (273 yrs)	1,200,041 hrs (137 yrs)	646773.4 hrs (74 yrs)
	Fan(s)	None	None	None
	Acoustic Noise @ 25°C	0 dBA	0 dBA	0 dBA
	Width x Depth x Height	158 x 101 x 27 mm (6.2 x 4.0 x 1.1 in)	236 x 101 x 27 mm (9.3 x 4.0 x 1.1 in)	236 x 101 x 27 mm (9.3 x 4.0 x 1.1 in)
	Weight	0.43 kg (0.94 lb)	0.61 kg (1.34 lb)	0.64kg (1.41 lb)
Electromagnetic Compliance	Class (A or B)	B	B	B
Warranty Hardware		Lifetime	Lifetime	Lifetime
Warranty Power Supply		2 yrs	2 yrs	2 yrs
Modules			AGM731F/AGM732F/AGM734/ AXM765 (1G mode only)	
ProSUPPORT Maintenance PKGS	On Call 3-year 24 x 7	PMB0S31	PMB0S32	PMB0331

Smart Switches
with Optional Insight Remote/Cloud Management

Smart with Cloud, L2/L2+/L3 Lite, Gigabit

MODEL		GS110TUP	GS710TUP
Port Configuration	10/100 RJ45 Ports (Auto Uplink)		
	10/100/1000 RJ45 Ports (Auto Uplink)	9	9
	Fiber Ports	1 dedicated SFP	1 dedicated SFP
PoE	Power Over Ethernet 802.3af Ports	8	8
	PoE Plus (30W) 802.3at Ports	8	8
	Ultra60 PoE++ (60W) 802.3bt Ports	4	8
	Total PoE Budget	240W	480W
	Uninterrupted PoE		✓
Scalability	# MAC Addresses	8,000	8,000
	ARP Table – Size of	512	512
	# Routing Entries	32	32
	# ACL Rules	100	100
System Management	Single IP Management	✓	✓
	Web Managed/GUI	✓	✓
	Insight Cloud Management Option	✓	✓
	Command Line Interface/RS232 Console/Telnet		
	SNMP Version	v1, v2c, v3	v1, v2c, v3
	RMON Group	1,2,3,9	1,2,3,9
	DHCP (Client/Server/Relay)	Client	Client
	Port Mirroring	Many-to-One	Many-to-One
	IPv6 full set		✓
Optional Unified Network Management	Discovery, setup, monitoring and management via NETGEAR Insight mobile app or Insight Cloud Portal	✓	✓
Optional Discovery, Setup, Monitoring & Management	Remote/Cloud management	✓	✓
	Centralized network configuration (policies) across Insight Managed Switches, Wireless Access Points, and Business-class ReadyNAS Storage	✓	✓
	Additional devices auto-join and inherit network configuration (zero-touch provisioning)	✓	✓
	Multi-site, multi-network management in a single pane-of-glass view	✓	✓
Quality of Service	Number of Priority Queues	8	8
	Traffic Prioritization	802.1p, DSCP, Diffserv, TCP/UDP	802.1p, DSCP, Diffserv, TCP/UDP
	Auto Voice VLAN	✓	✓
Multicast Filtering	IGMP Snooping Version	v1, v2, v3	v1, v2, v3
	IGMP Snooping Querier	✓	✓
Performance	Bandwidth	20 Gbps	20 Gbps
	Buffer Memory	0.5 MB Per System	0.5 MB Per System
	Jumbo Frames	10,000	10,000
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	64	64
	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	HTTPS	HTTPS
	Guest VLAN	✓	✓
	DHCP Snooping/IP Source Guard/ARP Guard	✓	✓
	TACACS+	✓	✓
Energy Efficiency	EEE 802.3az	✓	✓
	Auto Port Power Down	✓	✓
	Dynamic Power Consumption	✓	✓
	Max Power Consumption	276.8 Watts	554.0 Watts
Physical	Desktop/Rackmount	Desktop, Wallmount, Rackmount	Rackmount
	Metal/Plastic Enclosure	Metal	Metal
	MTBF @ 25°C	695507.7 hrs (32 yrs)	643872.6 hrs. (29 yrs)
	Fan(s)	None	4
	Acoustic Noise @ 25°C	0 dBA	33.0 dBA
	Width x Depth x Height	236 x 101 x 27 mm (9.3 x 4.0 x 1.1 in)	440 x 204 x 43 mm (17.3 x 8.0 x 1.7 in)
	Weight	0.63kg (1.39lb)	2.99kg (6.59lb)
Electromagnetic Compliance	Class (A or B)		
Warranty Hardware		Lifetime	Lifetime
Warranty Power Supply		2 yrs	Lifetime
Modules		AGM731F/AGM732F/AGM734	AGM731F/AGM732F/AGM734
ProSUPPORT Maintenance PKGS	On Call 3-year 24 x 7	PMB0331	PMB0331

Smart Switches
with Optional Insight Remote/Cloud Management

Smart with Cloud, L2, Gigabit

MODEL		GS716TP	GS716TPP
Port Configuration	10/100 RJ45 Ports (Auto Uplink)		
	10/100/1000 RJ45 Ports (Auto Uplink)	16	16
	Fiber Ports	2 dedicated SFP	2 dedicated SFP
	10Gig Module Bays		
PoE	Power Over Ethernet 802.3af Ports	16	16
	PoE Plus (30W) 802.3at Ports	16	16
	Total PoE Budget	180 Watts	300 Watts
Scalability	# MAC Addresses	16,000	16,000
	ARP Table – Size of		
	# Routing Entries		
	# ACL Rules	100	100
System Management	Single IP Management	✓	✓
	Web Managed/GUI	✓	✓
	Insight Cloud Management Option	✓	✓
	Command Line Interface/RS232 Console/Telnet		
	SNMP Version	v1, v2c, v3	v1, v2c, v3
	RMON Group	1,2,3,9	1,2,3,9
	DHCP (Client/Server)	Client	Client
	Port Mirroring	Many-to-One	Many-to-One
	IPv6 full set	✓	✓
Optional Unified Network Management	Discovery, setup, monitoring and management via NETGEAR Insight mobile app or Insight Cloud Portal	✓	✓
Optional Discovery, Setup, Monitoring & Management	Remote/Cloud management	✓	✓
	Centralized network configuration (policies) across Insight Managed Switches, Wireless Access Points, and Business-class ReadyNAS Storage	✓	✓
	Additional devices auto-join and inherit network configuration (zero-touch provisioning)	✓	✓
	Multi-site, multi-network management in a single pane-of-glass view	✓	✓
Quality of Service	Number of Priority Queues	8	8
	Traffic Prioritization	802.1p, DSCP, Diffserv, TCP/UDP	802.1p, DSCP, Diffserv, TCP/UDP
	Auto Voice VLAN	✓	✓
Multicast Filtering	IGMP Snooping Version	v1, v2, v3	v1, v2, v3
	IGMP Snooping Querier	✓	✓
Performance	Bandwidth	36 Gbps	36 Gbps
	Buffer Memory	1.5 MB Per System	1.5 MB Per System
	Jumbo Frames	9,216	9,216
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	64	64
	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	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	17.01 Watts (no PoE) 193.9 Watts (with PoE max)	18.06 Watts (no PoE) 317.74 Watts (with PoE max)
Physical	Desktop/Rackmount	Rackmount	Rackmount
	Metal/Plastic Enclosure	Metal	Metal
	MTBF @ 25°C	1,186,673 hrs (135yrs)	1,257,629 hrs (143yrs)
	Fan(s)	1	2
	Acoustic Noise @ 25°C	27.3 dBA	28.2dBA
	Width x Depth x Height	440 x 204 x 43 mm (17.3 x 8 x 1.7 in)	440 x 204 x 43 mm (17.3 x 8 x 1.7 in)
	Weight	3.00 kg (6.61 lb)	3.08 kg (6.79 lb)
Electromagnetic Compliance	Class (A or B)		
Warranty Hardware		Lifetime	Lifetime
Warranty Power Supply		Lifetime	Lifetime
Modules		AGM731F/AGM732F/AGM734	AGM731F/AGM732F/AGM734
ProSUPPORT Maintenance PKGS	OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year	PMB0311 PMB0331 PMB0351	PMB0331 PMB0331 PMB0351

Smart Switches
with Optional Insight Remote/Cloud Management

Smart with Cloud, L2, Gigabit

MODEL		GS724TPV2	GS724TPP
Port Configuration	10/100 RJ45 Ports (Auto Uplink)		
	10/100/1000 RJ45 Ports (Auto Uplink)	24	24
	Fiber Ports	2 dedicated SFP	2 dedicated SFP
PoE	Power Over Ethernet 802.3af Ports	24	24
	PoE Plus (30W) 802.3at Ports	24	24
	Ultra60 PoE++ (60W) 802.3bt Ports		
	Total PoE Budget	190 Watts	380W
	Uninterrupted PoE		
Scalability	# MAC Addresses	8,000	8,000
	ARP Table – Size of		
	# Routing Entries		
	# ACL Rules	100	100
System Management	Single IP Management	✓	✓
	Web Managed/GUI	✓	✓
	Insight Cloud Management Option	✓	✓
	Command Line Interface/RS232 Console/Telnet		
	SNMP Version	v1, v2c, v3	v1, v2c, v3
	RMON Group	1,2,3,9	1,2,3,9
	DHCP (Client/Server/Relay)	Client	Client
	Port Mirroring	Many-to-One	Many-to-One
	IPv6 full set	✓	✓
Optional Unified Network Management	Discovery, setup, monitoring and management via NETGEAR Insight mobile app or Insight Cloud Portal	✓	✓
Optional Discovery, Setup, Monitoring & Management	Remote/Cloud management	✓	✓
	Centralized network configuration (policies) across Insight Managed Switches, Wireless Access Points, and Business-class ReadyNAS Storage	✓	✓
	Additional devices auto-join and inherit network configuration (zero-touch provisioning)	✓	✓
	Multi-site, multi-network management in a single pane-of-glass view	✓	✓
Quality of Service	Number of Priority Queues	8	8
	Traffic Prioritization	802.1p, DSCP, Diffserv, TCP/UDP	802.1p, DSCP, Diffserv, TCP/UDP
	Auto Voice VLAN	✓	✓
Multicast Filtering	IGMP Snooping Version	v1, v2, v3	v1, v2, v3
	IGMP Snooping Querier	✓	✓
Performance	Bandwidth	52 Gbps	52 Gbps
	Buffer Memory	0.5 MB Per System	0.5 MB Per System
	Jumbo Frames	9,216	9,216
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	64	64
	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	HTTPS	HTTPS
	Guest VLAN	✓	✓
	DHCP Snooping/IP Source Guard/ARP Guard	DHCP Snooping Only	DHCP Snooping Only
	TACACS+	✓	✓
Energy Efficiency	EEE 802.3az	✓	✓
	Auto Port Power Down	✓	✓
	Dynamic Power Consumption	✓	✓
	Max Power Consumption	228.5 Watts	446.7 Watts
Physical	Desktop/Rackmount	Rackmount	Rackmount
	Metal/Plastic Enclosure	Metal	Metal
	MTBF @ 25°C	1,051,375 hrs (120 yrs)	634,966 hrs (29 yrs)
	Fan(s)	2	2
	Acoustic Noise @ 25°C	32.4 dBA	35.0 dBA
	Width x Depth x Height	440 x 204 x 43 mm (17.3 x 8.0 x 1.7 in)	440 x 204 x 43 mm (17.3 x 8.0 x 1.7 in)
	Weight	3.15 kg (6.96 lb)	3.7 kg (8.18 lb)
Electromagnetic Compliance	Class (A or B)	A	A
Warranty Hardware		Lifetime	Lifetime
Warranty Power Supply		Lifetime	Lifetime
Modules		AGM731F/AGM732F/AGM734	AGM731F/AGM732F/AGM734
ProSUPPORT Maintenance PKGS	On Call 3-year 24 x 7	PMB0331	PMB0331

Smart Switches
with Optional Insight Remote/Cloud Management

Smart with Cloud, L2/L2+/L3 Lite, Gigabit

MODEL		GS728TPv2	GS728TPPv2
Port Configuration	10/100 RJ45 Ports (Auto Uplink)		
	10/100/1000 RJ45 Ports (Auto Uplink)	24	24
	Fiber Ports	4 dedicated SFP	4 dedicated SFP
PoE	Power Over Ethernet 802.3af Ports	24	24
	PoE Plus (30W) 802.3at Ports	24	24
	Total PoE Budget	190 Watts	380 Watts
Scalability	# MAC Addresses	16,000	16,000
	ARP Table – Size of	512	512
	# Routing Entries	32	32
	# ACL Rules	100	100
System Management	Single IP Management	✔	55 Watts
	Web Managed/GUI	✔	✔
	Insight Cloud Management Option	✔	✔
	Command Line Interface/RS232 Console/Telnet		
	SNMP Version	v1, v2c, v3	v1, v2c, v3
	RMON Group	1,2,3,9	1,2,3,9
	DHCP (Client/Server/Relay)	Client	Client
	Port Mirroring	Many-to-One	Many-to-One
	IPv6 full set	✔	✔
Optional Unified Network Management	Discovery, setup, monitoring and management via NETGEAR Insight mobile app or Insight Cloud Portal	✔	✔
Optional Discovery, Setup, Monitoring & Management	Remote/Cloud management	✔	✔
	Centralized network configuration (policies) across Insight Managed Switches, Wireless Access Points, and Business-class ReadyNAS Storage	✔	✔
	Additional devices auto-join and inherit network configuration (zero-touch provisioning)	✔	✔
	Multi-site, multi-network management in a single pane-of-glass view	✔	✔
Quality of Service	Number of Priority Queues	8	8
	Traffic Prioritization	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	56 Gbps	56 Gbps
	Buffer Memory	1.5 MB Per System	1.5 MB Per System
	Jumbo Frames	10,000	10,000
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 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	HTTPS	HTTPS
	Guest VLAN	✔	✔
	DHCP Snooping/IP Source Guard/ARP Guard	✔	✔
	TACACS+	✔	✔
Energy Efficiency	EEE 802.3az	✔	✔
	Auto Port Power Down		
	Dynamic Power Consumption	✔	✔
	Max Power Consumption	226 Watts	439 Watts
Physical	Desktop/Rackmount	Rackmount	Rackmount
	Metal/Plastic Enclosure	Metal	Metal
	MTBF @ 25°C	1,250,365 hrs (143 yrs)	1,071,896 hrs (122 yrs)
	Fan(s)	2	2
	Acoustic Noise @ 25°C	31 dBA	35 dBA
	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	3.78 kg (8.3lb)	4.11 kg (9.10 lb)
Electromagnetic Compliance	Class (A or B)	A	A
Warranty Hardware		Lifetime	Lifetime
Warranty Power Supply		Lifetime	Lifetime
Modules		AGM731F/AGM732F/AGM734	AGM731F/AGM732F/AGM734
ProSUPPORT Maintenance PKGS	On Call 3-year 24 x 7	PMB0331	PMB0331

† NETGEAR's exclusive FlexPoE option allows for upgrading your PoE budget in the future via NETGEAR optional power adapters.
* This product is currently not available in EMEA region.

Smart Switches
with Optional Insight Remote/Cloud Management

Smart with Cloud, L2/L2+/L3 Lite, Gigabit

MODEL		GS752TPv2	GS752TPP
Port Configuration	10/100 RJ45 Ports (Auto Uplink)		
	10/100/1000 RJ45 Ports (Auto Uplink)	24	24
	Fiber Ports	4 dedicated SFP	4 dedicated SFP
PoE	Power Over Ethernet 802.3af Ports	24	24
	PoE Plus (30W) 802.3at Ports	24	24
	Total PoE Budget	380 Watts	760 Watts
Scalability	# MAC Addresses	16,000	16,000
	ARP Table – Size of	512	512
	# Routing Entries	32	32
	# ACL Rules	100	100
System Management	Single IP Management	✔	✔
	Web Managed/GUI	✔	✔
	Insight Cloud Management Option	✔	✔
	Command Line Interface/RS232 Console/Telnet		
	SNMP Version	v1, v2c, v3	v1, v2c, v3
	RMON Group	1,2,3,9	1,2,3,9
	DHCP (Client/Server/Relay)	Client	Client
	Port Mirroring	Many-to-One	Many-to-One
	IPv6 full set	✔	✔
Optional Unified Network Management	Discovery, setup, monitoring and management via NETGEAR Insight mobile app or Insight Cloud Portal	✔	✔
Optional Discovery, Setup, Monitoring & Management	Remote/Cloud management	✔	✔
	Centralized network configuration (policies) across Insight Managed Switches, Wireless Access Points, and Business-class ReadyNAS Storage	✔	✔
	Additional devices auto-join and inherit network configuration (zero-touch provisioning)	✔	✔
	Multi-site, multi-network management in a single pane-of-glass view	✔	✔
Quality of Service	Number of Priority Queues	8	8
	Traffic Prioritization	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	104 Gbps	104 Gbps
	Buffer Memory	1.5 MB Per System	1.5 MB Per System
	Jumbo Frames	10,000	10,000
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 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	HTTPS	HTTPS
	Guest VLAN	✔	✔
	DHCP Snooping/IP Source Guard/ARP Guard	✔	✔
	TACACS+	✔	✔
Energy Efficiency	EEE 802.3az	✔	✔
	Auto Port Power Down		
	Dynamic Power Consumption	✔	✔
	Max Power Consumption	446 Watts	861 Watts
Physical	Desktop/Rackmount	Rackmount	Rackmount
	Metal/Plastic Enclosure	Metal	Metal
	MTBF @ 25°C	1,737,411 hrs (198 yrs)	1,107,549 hrs (126 yrs)
	Fan(s)	2	2
	Acoustic Noise @ 25°C	38 dBA	43 dBA
	Width x Depth x Height	440 x 310 x 43 mm (17.3 x 12.2 x 1.7 in)	440 x 310 x 43 mm (17.3 x 12.2 x 1.7 in)
	Weight	4.93 kg (10.90 lb)	5.03 kg (11.1 0lb)
Electromagnetic Compliance	Class (A or B)	A	A
Warranty Hardware		Lifetime	Lifetime
Warranty Power Supply		Lifetime	Lifetime
Modules		AGM731F/AGM732F/AGM734	AGM731F/AGM732F/AGM734
ProSUPPORT Maintenance PKGS	On Call 3-year 24 x 7	PMB0332	PMB0332

Smart Switches
with Optional Insight Remote/Cloud Management

Smart with Cloud, L2/L2+/L3 Lite, multi-Gigabit

MODEL		MS510TXM	MS510TXUP
Port Configuration	10/100 RJ45 Ports (Auto Uplink)		
	10/100/1000 RJ45 Ports (Auto Uplink)	4x1G/2.5G, 4x 1G/2.5G/5G/10G	4x1G/2.5G, 4x 1G/2.5G/5G/10G
	Fiber Ports	2 dedicated 10G SFP+	2 dedicated 10G SFP+
PoE	Power Over Ethernet 802.3af Ports		8
	PoE Plus (30W) 802.3at Ports		8
	Ultra60 PoE++ (60W) 802.3bt Ports		8
	Total PoE Budget		295 Watts
Scalability	# MAC Addresses	32,000	32,000
	ARP Table – Size of	512	512
	# Routing Entries	32	32
	# ACL Rules	100	100
System Management	Single IP Management	✓	✓
	Web Managed/GUI	✓	✓
	Insight Cloud Management Option	✓	✓
	Command Line Interface/RS232 Console/Telnet		
	SNMP Version	v1, v2c, v3	v1, v2c, v3
	RMON Group	1,2,3,9	1,2,3,9
	DHCP (Client/Server/Relay)	Client	Client
	Port Mirroring	Many-to-One	Many-to-One
	IPv6 full set	✓	✓
Optional Unified Network Management	Discovery, setup, monitoring and management via NETGEAR Insight mobile app or Insight Cloud Portal	✓	✓
Optional Discovery, Setup, Monitoring & Management	Remote/Cloud management	✓	✓
	Centralized network configuration (policies) across Insight Managed Switches, Wireless Access Points, and Business-class ReadyNAS Storage	✓	✓
	Additional devices auto-join and inherit network configuration (zero-touch provisioning)	✓	✓
	Multi-site, multi-network management in a single pane-of-glass view	✓	✓
Quality of Service	Number of Priority Queues	8	8
	Traffic Prioritization	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	140 Gbps	140 Gbps
	Buffer Memory	2 MB Per System	2 MB Per System
	Jumbo Frames	10,000	10,000
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 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	HTTPS	HTTPS
	Guest VLAN	✓	✓
	DHCP Snooping/IP Source Guard/ARP Guard	✓	✓
	TACACS+	✓	✓
Energy Efficiency	EEE 802.3az	✓	✓
	Auto Port Power Down		
	Dynamic Power Consumption	✓	✓
	Max Power Consumption	47 Watts	380 Watts
Physical	Desktop/Rackmount	Rackmount	Rackmount
	Metal/Plastic Enclosure	Metal	Metal
	MTBF @ 25°C	1,059,519hrs (121 yrs)	848,553 hrs (97 yrs)
	Fan(s)	2	3
	Acoustic Noise @ 25°C	25 dBA	33 dBA
	Width x Depth x Height	330 x 206 x 43mm (13.0 x 8.12 x 1.7 in)	330 x 206 x 43mm (13.0 x 8.12 x 1.7 in)
	Weight	2.08 kg (4.59lb)	2.51 kg (5.54lb)
Electromagnetic Compliance	Class (A or B)	A	A
Warranty Hardware		Lifetime	Lifetime
Warranty Power Supply		Lifetime	Lifetime
Modules		AGM731F/AGM732F/AGM734/ AXM761/AXM762/AXM764/ AXC761/AXC763	AGM731F/AGM732F/AGM734/ AXM761/AXM762/AXM764/ AXC761/AXC763
ProSUPPORT Maintenance PKGS	On Call 3-year 24 x 7	PMB0331	PMB0331

Smart Switches
with Optional Insight Remote/Cloud Management

Insight Managed Smart Cloud, L2, Gigabit
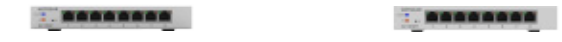
MODEL		GC108P	GC108PP
Unified Network Management	Discovery, setup, monitoring and management	NETGEAR Insight mobile app on phone or tablet, or Insight Cloud Portal from PC, Mac, or tablet web browser	
Discovery, Setup, Monitoring & Management	Remote/Cloud management	Anywhere, anytime, from the palm of 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	
Port Configuration	10/100/1000 RJ45 Ports (Auto Uplink)	8	8
	1G SFP Fiber Ports		
PoE (Power over Ethernet)	PoE (15.4W) 802.3af Ports		
	PoE+ (30W) 802.3at Ports	8	8
	Total PoE Budget†	64 Watts†	126 Watts
	Advanced per-port PoE controls (enable/disable/power limit)	Yes	Yes
	Advanced per-port PoE scheduling	Yes	Yes
LEDs	Front (per device) (applicable models)	Cloud/Power Connection, PoE Fault	Cloud/Power Connection, PoE Fault
	Rear (per device) (applicable models)		
	Front (per port) (applicable models)	Speed/Link/Activity (left), PoE Power (right)	Speed/Link/Activity (left), PoE Power (right)
	Rear (per port) (applicable models)		
Scalability	# MAC Addresses	8,000	8,000
	ARP Table / NDP Table – Size of	512 ARP / 512 NDP	512 ARP / 512 NDP
	# Routing Entries		
	# ACL Rules (Shared for MAC, IP and IPv6 ACLs)	100	100
System Management	Cloud/Remote Management	Yes	Yes
	Mobile app and Cloud Portal management	Yes	Yes
	uPnP Discovery & Bonjour Discovery	Yes	Yes
	Centralized network configuration (policies)	Yes	Yes
	Device auto-join and configure (zero-touch provisioning)	Yes	Yes
	Multi-site, multi-network single pane-of-glass view	Yes	Yes
	Multi-switch, multi-port concurrent configuration	Yes	Yes
	Network/global password (for all Insight Managed devices on a network)	Yes	Yes
	Local-only Web Browser-Based Managed/GUI	Yes	Yes
	SNMP Version	v1, v2c, v3	v1, v2c, v3
	RMON Group		
	DHCP (Client/Server/Relay)	Client	Client
	Port Mirroring	Many-to-One	Many-to-One
	IPv6 Management	Yes	Yes
	Firmware upgrade direct from Cloud (via mobile device)	Yes	Yes
Quality of Service	Number of Priority Queues	8	8
	Traffic Prioritization	802.1p, DSCP, Diffserv	802.1p, DSCP, Diffserv
	Auto Voice VLAN	Yes	Yes
Multicast Filtering	IGMP Snooping Version	v1, v2, v3	v1, v2, v3
	IGMP Snooping Querier	Yes	Yes
Performance	Bandwidth	16 Gbps	16 Gbps
	Buffer Memory	512KB Per System	512KB Per System
	Jumbo Frames	10,000	10,000
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	64	64
	Link Aggregation 802.3ad/LACP	Yes	Yes
	Discovery Protocol LLDP 802.1ab	Yes	Yes
	Rate Limiting	Yes	Yes
	Broadcast Storm Control	Yes	Yes
Security	IEEE 802.1x (RADIUS)	Yes	Yes
	ACL - Access Control Lists	MAC, IP, TCP	MAC, IP, TCP
	SSL/SSH & HTTPS	SSL/HTTPS	SSL/HTTPS
	Guest VLAN	Yes	Yes
	DHCP Snooping/IP Source Guard	Yes	Yes
	TACACS+	Yes	Yes
Energy Efficiency	IEEE 802.3az	Yes	Yes
	Auto Port Power Down	Yes	Yes
	Dynamic Power Consumption	Yes	Yes
	Max Power Consumption	66.7 Watts (full PoE)	128.4 Watts (full PoE)
Physical	Desktop/Wallmount (VESA)/Rackmount	D/W	D/W
	Metal/Plastic Enclosure	Metal	Metal
	MTBF @ 25°C	2,635,395 hrs (301 yrs)	2,635,395 hrs (301 yrs)
	Acoustic Noise @ 25°C	0dBA	0dBA
	Fan(s)		
	Width x Depth x Height	188 x 110 x 27 mm (7.4 x 4.3 x 1.1 in)	188 x 110 x 27 mm (7.4 x 4.3 x 1.1 in)
	Weight	0.52 kg (1.14 lb)	0.52 kg (1.14 lb)
Electromagnetic Compliance	Class (A or B)	A	A
Warranty Switch*		5 years	5 years
Warranty External Power Adapter		2 years	2 years
Modules			
ProSUPPORT Maintenance Pkgs***	OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year	Category S2: PMB0S12 (1 yr.) PMB0S32 (3 yrs.) PMB0S52 (5 yrs.)	Category S2: PMB0S12 (1 yr.) PMB0S32 (3 yrs.) PMB0S52 (5 yrs.)

† NETGEAR's exclusive FlexPoE option allows for upgrading your PoE budget in the future via NETGEAR optional power adapters.

Smart Switches
with Optional Insight Remote/Cloud Management
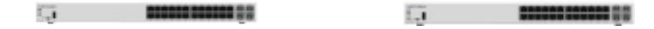
Insight Managed Smart Cloud, L2+/L3 Lite, Gigabit

MODEL		GC510P	GC510PP
Unified Network Management	Discovery, setup, monitoring and management	NETGEAR Insight mobile app on phone or tablet, or Insight Cloud Portal from PC, Mac, or tablet web browser	
Discovery, Setup, Monitoring & Management	Remote/Cloud management	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	
Port Configuration	10/100/1000 RJ45 Ports (Auto Uplink)	8	8
	1G SFP Fiber Ports	2 dedicated	2 dedicated
PoE (Power over Ethernet)	PoE (15.4W) 802.3af Ports		
	PoE+ (30W) 802.3at Ports	8	8
	Total PoE Budget†	134W	195W
	Advanced per-port PoE controls (enable/disable/power limit)	Yes	Yes
	Advanced per-port PoE scheduling	Yes	Yes
LEDs	Front (per device) (applicable models)	Cloud/Internet Connection, Power	Cloud/Internet Connection, Power
	Rear (per device) (applicable models)	Cloud/Internet Connection, Power, PoE Max	Cloud/Internet Connection, Power, PoE Max, Fan Status
	Rear (per port) (applicable models)	Speed/Link/Activity (left), PoE Power (right)	Speed/Link/Activity (left), PoE Power (right)
Scalability	# MAC Addresses	16,000	16,000
	ARP Table / NDP Table – Size of	384 ARP / 128 NDP	384 ARP / 128 NDP
	# Routing Entries	32 IPv4 / 31 IPv6	32 IPv4 / 31 IPv6
	# ACL Rules (Shared for MAC, IP and IPv6 ACLs)	100	100
System Management	Cloud/Remote Management	Yes	Yes
	Mobile app and Cloud Portal management	Yes	Yes
	uPnP Discovery & Bonjour Discovery	Yes	Yes
	Centralized network configuration (policies)	Yes	Yes
	Device auto-join and configure (zero-touch provisioning)	Yes	Yes
	Multi-site, multi-network single pane-of-glass view	Yes	Yes
	Multi-switch, multi-port concurrent configuration	Yes	Yes
	Network/global password (for all Insight Managed devices on a network)	Yes	Yes
	Local-only Web Browser-Based Managed/GUI	Yes	Yes
	SNMP Version	v1, v2c, v3	v1, v2c, v3
	RMON Group		
	DHCP (Client/Server/Relay)	Client	Client
	Port Mirroring	Many-to-One	Many-to-One
	IPv6 Management	Yes	Yes
	Firmware upgrade direct from Cloud (via mobile device)	Yes	Yes
Quality of Service	Number of Priority Queues	8	8
	Traffic Prioritization	802.1p, DSCP, Diffserv	802.1p, DSCP, Diffserv
	Auto Voice VLAN	Yes	Yes
Multicast Filtering	IGMP Snooping Version	v1, v2c, v3	v1, v2c, v3
	IGMP Snooping Querier	Yes	Yes
Performance	Bandwidth	20 Gbps	20 Gbps
	Buffer Memory	1.5 MB Per System	1.5 MB Per System
	Jumbo Frames	9,216	9,216
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 Aggregation 802.3ad/LACP	Yes	Yes
	Discovery Protocol LLDP 802.1ab	Yes	Yes
	Rate Limiting	Yes	Yes
	Broadcast Storm Control	Yes	Yes
L3 Routing	IPv4/IPv6 Static Routing	Yes	Yes
Security	IEEE 802.1x (RADIUS)	Yes	Yes
	ACL - Access Control Lists	MAC, IP, TCP	MAC, IP, TCP
	SSL/SSH & HTTPS	SSL/HTTPS	SSL/HTTPS
	Guest VLAN	Yes	Yes
	DHCP Snooping/IP Source Guard	Yes	Yes
	TACACS+	Yes	Yes
Energy Efficiency	IEEE 802.3az	Yes	Yes
	Auto Port Power Down	Yes	Yes
	Dynamic Power Consumption	Yes	Yes
	Max Power Consumption	146.9W (full PoE)	200.0W (full PoE)
Physical	Desktop/Wallmount (VESA)/Rackmount	Desktop/Wallmount /Rackmount	Desktop/Wallmount /Rackmount
	Metal/Plastic Enclosure	Metal	Metal
	MTBF @ 25°C	692,457 hrs (79 yrs)	381,503 hrs (44 yrs)
	Acoustic Noise @ 25°C	0dBA	28dBA
	Fan(s)		1 (whisper-quiet)
	Width x Depth x Height	314 x 188 x 44 mm (12.4 x 7.4 x 1.7 in)	314 x 188 x 44 mm (12.4 x 7.4 x 1.7 in)
	Weight	2.01 kg (4.43 lb)	2.23 kg (4.92 lb)
Electromagnetic Compliance	Class (A or B)	A	A
Warranty Switch*		5 years	5 years
Modules		AGM731F, AGM732F, AGM734	AGM731F, AGM732F, AGM734
ProSUPPORT Maintenance Pkgs***	OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year	Category S2: PMB0S12 (1 yr.) PMB0S32 (3 yrs.) PMB0S52 (5 yrs.)	Category S2: PMB0S32 (1 yr.) PMB0S32 (3 yrs.) PMB0S52 (5 yrs.)

† NETGEAR's exclusive FlexPoE option allows for upgrading your PoE budget in the future via NETGEAR optional power adapters.

Smart Switches
with Optional Insight Remote/Cloud Management

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

MODEL		GC728X	GC728XP
Unified Network Management	Discovery, setup, monitoring and management	NETGEAR Insight mobile app on phone or tablet, or Insight Cloud Portal from PC, Mac, or tablet web browser	
Discovery, Setup, Monitoring & Management	Remote/Cloud management	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	
Port Configuration	10/100/1000 RJ45 Ports (Auto Uplink)	24	24
	1G SFP Fiber Ports	2 dedicated	2 dedicated
	10G SFP+ Fiber Ports	2 dedicated	2 dedicated
PoE (Power over Ethernet)	PoE (15.4W) 802.3af Ports		
	PoE+ (30W) 802.3at Ports		24
	Total PoE Budget†		390W
	Advanced per-port PoE controls (enable/disable/power limit)		Yes
	Advanced per-port PoE scheduling		Yes
LEDs	Front (per device) (applicable models)	Cloud/Internet Connection, Power, PoE Max, Fan Status	Cloud/Internet Connection, Power, PoE Max, Fan Status
	Front (per device) (applicable models)		
	Front (per device) (applicable models)	Speed/Link/Activity	Speed/Link/Activity (left), PoE Power (right)
Scalability	# MAC Addresses	16,000	16,000
	ARP Table / NDP Table – Size of	384 ARP / 128 NDP	384 ARP / 128 NDP
	# Routing Entries	32 IPv4 / 31 IPv6	32 IPv4 / 31 IPv6
	# ACL Rules (Shared for MAC, IP and IPv6 ACLs)	100	100
System Management	Cloud/Remote Management	Yes	Yes
	Mobile app and Cloud Portal management	Yes	Yes
	uPnP Discovery & Bonjour Discovery	Yes	Yes
	Centralized network configuration (policies)	Yes	Yes
	Device auto-join and configure (zero-touch provisioning)	Yes	Yes
	Multi-site, multi-network single pane-of-glass view	Yes	Yes
	Multi-switch, multi-port concurrent configuration	Yes	Yes
	Network/global password (for all Insight Managed devices on a network)	Yes	Yes
	Local-only Web Browser-Based Managed/GUI	Yes	Yes
	SNMP Version	v1, v2c, v3	v1, v2c, v3
	RMON Group	1,2,3,9	1,2,3,9
	DHCP (Client/Server/Relay)	Client	Client
	Port Mirroring	Many-to-One	Many-to-One
	IPv6 Management	Yes	Yes
	Firmware upgrade direct from Cloud (via mobile device)	Yes	Yes
Quality of Service	Number of Priority Queues	8	8
	Traffic Prioritization	802.1p, DSCP, Diffserv	802.1p, DSCP, Diffserv
	Auto Voice VLAN	Yes	Yes
Multicast Filtering	IGMP Snooping Version	v1, v2, v3	v1, v2, v3
	IGMP Snooping Querier	Yes	Yes
Performance	Bandwidth	92 Gbps	92 Gbps
	Buffer Memory	1.5 MB Per System	1.5 MB Per System
	Jumbo Frames	9,216	9,216
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 Aggregation 802.3ad/LACP	Yes	Yes
	Discovery Protocol LLDP 802.1ab	Yes	Yes
	Rate Limiting	Yes	Yes
	Broadcast Storm Control	Yes	Yes
L3 Routing	IPv4/IPv6 Static Routing	Yes	Yes
Security	IEEE 802.1x (RADIUS)	Yes	Yes
	ACL - Access Control Lists	MAC, IP, TCP	MAC, IP, TCP
	SSL/SSH & HTTPS	SSL/HTTPS	SSL/HTTPS
	Guest VLAN	Yes	Yes
	DHCP Snooping/IP Source Guard	Yes	Yes
	TACACS+	Yes	Yes
Energy Efficiency	IEEE 802.3az	Yes	Yes
	Auto Port Power Down	Yes	Yes
	Dynamic Power Consumption	Yes	Yes
	Max Power Consumption	18.5W	437.1W (full PoE)
Physical	Desktop/Wallmount (VESA)/Rackmount	Desktop/Rackmount	Desktop/Rackmount
	Metal/Plastic Enclosure	Metal	Metal
	MTBF @ 25°C	1,874,356 hrs (214 yrs)	629,962 hrs (72 yrs)
	Fan(s)	1 (whisper-quiet)	2 (dynamic)
	Acoustic Noise @ 25°C	28dBA	39dBA
	Width x Depth x Height	440 x 224 x 44 mm (17.3 x 8.8 x 1.7 in)	440 x 224 x 44 mm (17.3 x 8.8 x 1.7 in)
	Weight	2.81 kg (6.19 lb)	3.79 kg (8.36 lb)
Electromagnetic Compliance	Class (A or B)	A	A
Warranty Switch*		5 years	5 years
Modules		AGM731F, AGM732F, AGM734, AXM761, AXM762, AXM763, AXM764, AXM765, AXC761, AXC763	AGM731F, AGM732F, AGM734, AXM761, AXM762, AXM763, AXM764, AXM765, AXC761, AXC763
ProSUPPORT Maintenance Pkgs***	OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year	Category 1: PMB0311 (1 yr.) PMB0331 (3 yrs.) PMB0351 (5 yrs.)	Category 1: PMB0311 (1 yr.) PMB0331 (3 yrs.) PMB0351 (5 yrs.)

† NETGEAR's exclusive FlexPoE option allows for upgrading your PoE budget in the future via NETGEAR optional power adapters.

Smart Switches
with Optional Insight Remote/Cloud Management

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

MODEL		GC752X	GC752XP
Unified Network Management	Discovery, setup, monitoring and management	NETGEAR Insight mobile app on phone or tablet, or Insight Cloud Portal from PC, Mac, or tablet web browser	
Discovery, Setup, Monitoring & Management	Remote/Cloud management	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	
Port Configuration	10/100/1000 RJ45 Ports (Auto Uplink)	48	48
	1G SFP Fiber Ports	2 dedicated	2 dedicated
	10G SFP+ Fiber Ports	2 dedicated	2 dedicated
PoE (Power over Ethernet)	PoE (15.4W) 802.3af Ports		
	PoE+ (30W) 802.3at Ports		48
	Total PoE Budget†		505W
	Advanced per-port PoE controls (enable/disable/power limit)		Yes
	Advanced per-port PoE scheduling		Yes
LEDs	Front (per device) (applicable models)	Cloud/Internet Connection, Power, PoE Max, Fan Status	Cloud/Internet Connection, Power, PoE Max, Fan Status
	Front (per port) (applicable models)		
	Front (per port) (applicable models)	Speed/Link/Activity	Speed/Link/Activity (left), PoE Power (right)
	Front (per port) (applicable models)		
Scalability	# MAC Addresses	16,000	16,000
	ARP Table / NDP Table – Size of	384 ARP / 128 NDP	384 ARP / 128 NDP
	# Routing Entries	32 IPv4 / 31 IPv6	32 IPv4 / 31 IPv6
	# ACL Rules (Shared for MAC, IP and IPv6 ACLs)	100	100
System Management	Cloud/Remote Management	Yes	Yes
	Mobile app and Cloud Portal management	Yes	Yes
	uPnP Discovery & Bonjour Discovery	Yes	Yes
	Centralized network configuration (policies)	Yes	Yes
	Device auto-join and configure (zero-touch provisioning)	Yes	Yes
	Multi-site, multi-network single pane-of-glass view	Yes	Yes
	Multi-switch, multi-port concurrent configuration	Yes	Yes
	Network/global password (for all Insight Managed devices on a network)	Yes	Yes
	Local-only Web Browser-Based Managed/GUI	Yes	Yes
	SNMP Version	v1, v2c, v3	v1, v2c, v3
	RMON Group	1,2,3,9	1,2,3,9
	DHCP (Client/Server/Relay)	Client	Client
	Port Mirroring	Many-to-One	Many-to-One
	IPv6 Management	Yes	Yes
	Firmware upgrade direct from Cloud (via mobile device)	Yes	Yes
Quality of Service	Number of Priority Queues	8	8
	Traffic Prioritization	802.1p, DSCP, Diffserv	802.1p, DSCP, Diffserv
	Auto Voice VLAN	Yes	Yes
Multicast Filtering	IGMP Snooping Version	v1, v2, v3	v1, v2, v3
	IGMP Snooping Querier	Yes	Yes
Performance	Bandwidth	140 Gbps	140 Gbps
	Buffer Memory	1.5 MB Per System	1.5 MB Per System
	Jumbo Frames	9,216	9,216
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 Aggregation 802.3ad/LACP	Yes	Yes
	Discovery Protocol LLDP 802.1ab	Yes	Yes
	Rate Limiting	Yes	Yes
	Broadcast Storm Control	Yes	Yes
L3 Routing	IPv4/IPv6 Static Routing	Yes	Yes
Security	IEEE 802.1x (RADIUS)	Yes	Yes
	ACL - Access Control Lists	MAC, IP, TCP	MAC, IP, TCP
	SSL/SSH & HTTPS	SSL/HTTPS	SSL/HTTPS
	Guest VLAN	Yes	Yes
	DHCP Snooping/IP Source Guard	Yes	Yes
	TACACS+	Yes	Yes
Energy Efficiency	IEEE 802.3az	Yes	Yes
	Auto Port Power Down	Yes	Yes
	Dynamic Power Consumption	Yes	Yes
	Max Power Consumption	43.9W	623.6W (full PoE)
Physical	Desktop/Wallmount (VESA)/Rackmount	Desktop/Rackmount	Desktop/Rackmount
	Metal/Plastic Enclosure	Metal	Metal
	MTBF @ 25°C	1,360,115 hrs (155 yrs)	455,682 hrs (50 yrs)
	Fan(s)	1 (whisper-quiet)	3 (dynamic)
	Acoustic Noise @ 25°C	29dBA	33dBA
	Width x Depth x Height	440 x 224 x 44 mm (17.3 x 8.8 x 1.7 in)	440 x 320 x 44 mm (17.3 x 12.6 x 1.7 in)
	Weight	3.16 kg (6.97 lb)	4.79 kg (10.56 lb)
Electromagnetic Compliance	Class (A or B)	A	A
Warranty Switch*		5 years	5 years
Modules		AGM731F, AGM732F, AGM734, AXM761, AXM762, AXM763, AXM764, AXM765, AXC761, AXC763	AGM731F, AGM732F, AGM734, AXM761, AXM762, AXM763, AXM764, AXM765, AXC761, AXC763
ProSUPPORT Maintenance Pkgs***	OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year	Category 2: PMB0312 (1 yr.) PMB0332 (3 yrs.) PMB0352 (5 yrs.)	Category 2: PMB0312 (1 yr.) PMB0332 (3 yrs.) PMB0352 (5 yrs.)

† NETGEAR's exclusive FlexPoE option allows for upgrading your PoE budget in the future via NETGEAR optional power adapters.

Fully Managed Switches

MODEL		Fully Managed, M4200 series (L3 with RIP), Multi-Gigabit	Fully Managed, AV Line M4250 series (L3 Lite), Gigabit and 10-Gigabit	
		M4200-10MG-POE+ (GSM4210P)	M4250-10G2F-POE+ (GSM4212P)	M4250-10G2XF-POE+ (GSM4212PX)
Port Configuration	10/100 RJ45 Ports (Auto Uplink)			
	10/100/1000 RJ45 Ports (Auto Uplink)	8 2.5GBase-T	10	10
	Fiber Ports	2 SFP+ (10G)	2 SFP	2 SFP+ (10G)
PoE	Power Over Ethernet 802.3af Ports	8	8	8
	PoE Plus (30W) 802.3at Ports	8	8	8
	Total PoE Budget	240W	125W	240W
Scalability	# MAC Addresses	16,000	16,000	16,000
	ARP Table – Size of	1,024	4,096	4,096
	# Routing Entries	32	894	894
	# ACL Rules	16,384 (ingress, egress)	16,384 (ingress, egress)	16,384 (ingress, egress)
System Management	Web Managed/GUI	✓	IT GUI, AV GUI	IT GUI, AV 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; RSPAN	Many-to-One; RSPAN
	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	90 Gbps	24Gbps	60Gbps
	Buffer Memory	16 Mb	16Mb	16 Mb
	Jumbo Frames	9,216	12,270	12,270
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			
Traffic Management	Number of 802.1q VLAN/Number of VLAN Group	1,024/1,024	4,093 / 4,093	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	RIP v1, v2	RIP v1, v2	RIP-v1, v2
	IPv6 Static Routing, IPv6 OSPFv3		Static Routing	Static Routing
	IPv4 / IPv6 Multicast Routing PIM-SM/DM		✓	✓
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	281.6W	163.9W	306.4W
Physical	Desktop/Rackmount	Rackmount/Easy Mount	R (reversible)	R (reversible)
	Metal/Plastic Enclosure	Metal	M	M
	MTBF @ 25°C	753,324 hrs (86 yrs)	778,769 hours	576,889 hours
	Fan(s)	✓	Side to side	Side to side
	Acoustic Noise @ 25°C	28.9dBA	Fanless, Quiet mode (27.38dBA) or Cool mode (55dBA)	Fanless, Quiet mode (27.38dBA) or Cool mode (55dBA)
	Width x Depth x Height	440 x 100 x 44 mm (17.3 x 3.9 x 1.7 in)	440 x 200 x 43.2 (17.32 x 7.87 x 1.70 in)	440 x 200 x 43.2 (17.32 x 7.87 x 1.70 in)
	Weight	2.05 kg (4.52 lb)	2.850 kg (6.28 lb)	2.900 kg (6.39 lb)
Electromagnetic Compliance	Class (A or B)	A	A	A
Warranty Hardware		Lifetime	Lifetime	Lifetime
Warranty Power Supply		Lifetime	Lifetime	Lifetime
Modules		AGM731F/AGM732F; AXC761/3/5/7/10/15/20 AXM761/AXM762/AXM763/AXM764/ AXM765	AGM731F/AGM732F/ AGM734	AGM731F/AGM732F; AXC761/3/5/7/10/15/20 AXM761/AXM762/AXM763/ AXM764/AXM765
ProSUPPORT Maintenance PKGS	OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year	PMB0312 PMB0332 PMB0352	PMB0312 PMB0332 PMB0352	PMB0312 PMB0332 PMB0352

Fully Managed Switches

Fully Managed, AV Line M4250 series (L3 Lite), Gigabit and 10-Gigabit

MODEL		M4250-10G2XF-POE++ (GSM4212UX)	M4250-12M2XF (MSM4214X)	M4250-16XF (XSM4216F)
Port Configuration	10/100 RJ45 Ports (Auto Uplink)			
	10/100/1000 RJ45 Ports (Auto Uplink)	10	12 x 2.5G	
	Fiber Ports	2 SFP+ (10G)	2 SFP+ (10G)	16 SFP+ (10G)
PoE	Power Over Ethernet 802.3af Ports	8		
	PoE Plus (30W) 802.3at Ports	8 PoE++ 802.3bt 90W		
	Total PoE Budget	720W		
Scalability	# MAC Addresses	16,000	16,000	16,000
	ARP Table - Size of	4,096	4,096	4,096
	# Routing Entries	894	894	894
	# ACL Rules	16,384 (ingress, egress)	16,384 (ingress, egress)	16,384 (ingress, egress)
System Management	Web Managed/GUI	IT GUI, AV GUI	IT GUI, AV GUI	IT GUI, AV 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; RSPAN	Many-to-One; RSPAN	Many-to-One; RSPAN
	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	60Gbps	100Gbps	320Gbps
	Buffer Memory	16Mb	16Mb	16Mb
	Jumbo Frames	12,270	12,270	12,270
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			
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	✓	✓	✓
	Rate Limiting	✓	✓	✓
	Broadcast Storm Control	✓	✓	✓
L3 Routing	IPv4 Static Routing	✓	✓	✓
	IPv4 RIPv1/2, OSPFv1/2, VRRP, EMCP	RIPv1/v2	RIPv1/v2	RIPv1/v2
	IPv6 Static Routing, IPv6 OSPFv3	Static Routing	Static Routing	Static Routing
	IPv4 / IPv6 Multicast Routing PIM-SM/DM	✓	✓	✓
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	837.7W	37.9W	47.84W
Physical	Desktop/Rackmount	R (reversible)	R (reversible)	R (reversible)
	Metal/Plastic Enclosure	M	M	M
	MTBF @ 25°C	947,871 hours	720,892 hours	844,633 hours
	Fan(s)	Side to side	Side to side	Side to side
	Acoustic Noise @ 25°C	Fanless, Quiet mode (250w PoE, 34.57dBA) (380w PoE, 40dBA) (720w PoE, 47.19dBA) or Cool mode (57dBA)	Fanless, Quiet mode (28.5dBA) or Cool mode (55dBA)	Fanless, Quiet mode (27.44dBA) or Cool mode (57dBA)
	Width x Depth x Height	440 x 257 x 43.2 (17.32 x 10.12 x 1.70 in)	440 x 100 x 43.2 (17.32 x 3.94 x 1.70 in)	440 x 200 x 43.2 (17.32 x 7.87 x 1.70 in)
	Weight	3.830 kg (8.44 lb)	1.745 kg (3.85 lb)	2.800 kg (6.17 lb)
Electromagnetic Compliance	Class (A or B)	A	A	A
Warranty Hardware		Lifetime	Lifetime	Lifetime
Warranty Power Supply		Lifetime	Lifetime	Lifetime
Modules		AGM731F/AGM732F; AXC761/3/5/7/10/15/20 AXM761/AXM762/AXM763/ AXM764/AXM765	AGM731F/AGM732F; AXC761/3/5/7/10/15/20 AXM761/AXM762/AXM763/ AXM764/AXM765	AGM731F/AGM732F; AXC761/3/5/7/10/15/20 AXM761/AXM762/AXM763/ AXM764/AXM765
ProSUPPORT Maintenance PKGS	OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year	PMB0312 PMB0332 PMB0352	PMB0312 PMB0332 PMB0352	PMB0312 PMB0332 PMB0352

Fully Managed Switches

Fully Managed, AV Line M4250 series

MODEL		M4250-26G4F-POE+ (GSM4230P)	M4250-26G4XF-POE+ (GSM4230PX)	M4250-26G4F-POE++ (GSM4230UP)
Port Configuration	10/100 RJ45 Ports (Auto Uplink)			
	10/100/1000 RJ45 Ports (Auto Uplink)	26	26	26
	Fiber Ports	4 SFP	4 SFP+ (10G)	4 SFP
PoE	PoE (15W) 802.3af Ports			
	PoE+ (30W) 802.3at Ports	24	24	
	PoE++ (90W) 802.3bt Ports			24
	Total PoE Budget	300W	480W	1,4440W
Scalability	# MAC Addresses	16,000	16,000	16,000
	ARP Table - Size of	4,096	4,096	4,096
	# Routing Entries	894	894	894
	# ACL Rules	16,384 (ingress, egress)	16,384 (ingress, egress)	16,384 (ingress, egress)
System Management	Web Managed/GUI	IT GUI, AV GUI	IT GUI, AV GUI	IT GUI, AV 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; RSPAN	Many-to-One; RSPAN	Many-to-One; RSPAN
	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	60Gbps	132Gbps	60Gbps
	Buffer Memory	16Mb	16Mb	16Mb
	Jumbo Frames	12,270	12,270	12,270
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			
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	✓	✓	✓
	Rate Limiting	✓	✓	✓
	Broadcast Storm Control	✓	✓	✓
L3 Routing	IPv4 Static Routing	✓	✓	✓
	IPv4 RIPv1/2, OSPFv1/2, VRRP, EMCP	RIPv1/v2	RIPv1/v2	RIPv1/v2
	IPv6 Static Routing, IPv6 OSPFv3	Static Routing	Static Routing	Static Routing
	IPv4 / IPv6 Multicast Routing PIM-SM/DM	✓	✓	✓
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	401W	614W	1734W
Physical	Desktop/Rackmount	R (reversible)	R (reversible)	R (reversible)
	Metal/Plastic Enclosure	M	M	M
	MTBF @ 25°C	511,054 hours	491,282 hours	509,057 hours
	Fan(s)	Side to side	Side to side	Side to side
	Acoustic Noise @ 25°C	Fanless, Quiet mode (200W PoE, 28dBA; 300W PoE, 34dBA) or Cool Mode (57dBA)	Fanless, Quiet mode (350W PoE, 25dBA; 480W PoE, 42dBA) or Cool Mode (67dBA)	Quiet mode (280W PoE, 28dBA; 480W PoE, 47dBA; 1440W PoE, 60dBA) or Cool Mode (69dBA)
	Width x Depth x Height	440 x 257 x 43.2 mm (17.32 x 10.12 x 1.70 in)	440 x 400 x 43.2 mm (17.32 x 15.75 x 1.70 in)	440 x 400 x 43.2 mm (17.32 x 15.75 x 1.70 in)
	Weight	4.300 kg (9.47 lb)	5.453 kg (12.02 lb)	6.746 kg (14.87 lb)
Electromagnetic Compliance	Class (A or B)	A	A	A
Warranty Hardware		Lifetime	Lifetime	Lifetime
Warranty Power Supply		Lifetime	Lifetime	Lifetime
Modules		AGM731F/AGM732F/ AGM734	AGM731F/AGM732F; AXC761/3/5/7/10/15/20 AXM761/AXM762/AXM763/AXM764/ AXM765	AGM731F/AGM732F/ AGM734
ProSUPPORT Maintenance PKGS	OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year	PMB0312 PMB0332 PMB0352	PMB0313 PMB0333 PMB0353	PMB0313 PMB0333 PMB0353

Fully Managed Switches

Fully Managed, AV Line M4250 series

MODEL		M4250-40G8F-POE+ (GSM4248P)	M4250-40G8XF-POE+ (GSM4248PX)	M4250-40G8XF-POE++ (GSM4248UX)
Port Configuration	10/100 RJ45 Ports (Auto Uplink)			
	10/100/1000 RJ45 Ports (Auto Uplink)	40	40	40
	Fiber Ports	8 SFP	8 SFP+ (10G)	8 SFP+ (10G)
PoE	PoE (15W) 802.3af Ports			
	PoE+ (30W) 802.3at Ports	40	40	
	PoE++ (90W) 802.3bt Ports			40
	Total PoE Budget	480W	960W	2,880W
Scalability	# MAC Addresses	16,000	16,000	16,000
	ARP Table – Size of	4,096	4,096	4,096
	# Routing Entries	894	894	894
	# ACL Rules	16,384 (ingress, egress)	16,384 (ingress, egress)	16,384 (ingress, egress)
System Management	Web Managed/GUI	IT GUI, AV GUI	IT GUI, AV GUI	IT GUI, AV 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; RSPAN	Many-to-One; RSPAN	Many-to-One; RSPAN
	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	96Gbps	240Gbps	240Gbps
	Buffer Memory	32Mb	32Mb	32Mb
	Jumbo Frames	12,270	12,270	12,270
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			
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	✓	✓	✓
	Rate Limiting	✓	✓	✓
	Broadcast Storm Control	✓	✓	✓
L3 Routing	IPv4 Static Routing	✓	✓	✓
	IPv4 RIPv1/2, OSPFv1/2, VRRP, EMCP	RIPv1/v2	RIPv1/v2	RIPv1/v2
	IPv6 Static Routing, IPv6 OSPFv3	Static Routing	Static Routing	Static Routing
	IPv4 / IPv6 Multicast Routing PIM-SM/DM	✓	✓	✓
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	624.8W	1197W	3523W
Physical	Desktop/Rackmount	R (reversible)	R (reversible)	R (reversible)
	Metal/Plastic Enclosure	M	M	M
	MTBF @ 25°C	341,680 hours	487,900 hours	304,916 hours
	Fan(s)	Side to side	Side to side	Side to side
	Acoustic Noise @ 25°C	Fanless, Quiet mode (150W PoE, 30dBA; 340W PoE, 40dBA; 480W PoE, 47dBA) or Cool Mode (68dBA)	Quiet mode (400W PoE, 29dBA; 640W PoE, 48dBA; 960W PoE, 59dBA) or Cool Mode (69dBA)	Quiet mode (160W PoE, 30dBA; 480W PoE, 51dBA; 2880W PoE, 60dBA) or Cool Mode (71dBA)
	Width x Depth x Height	440 x 400 x 43.2 mm (17.32 x 15.75 x 1.70 in)	440 x 400 x 43.2 mm (17.32 x 15.75 x 1.70 in)	440 x 350 x 86.4 mm (17.32 x 13.78 x 3.40 in)
	Weight	5.852 kg (12.90 lb)	6.312 kg (13.91 lb)	10.280 kg (22.72 lb)
Electromagnetic Compliance	Class (A or B)	A	A	A
Warranty Hardware		Lifetime	Lifetime	Lifetime
Warranty Power Supply		Lifetime	Lifetime	Lifetime
Modules		AGM731F/AGM732F/ AGM734	AGM731F/AGM732F; AXC761/3/5/7/10/15/20 AXM761/AXM762/AXM763/AXM764/ AXM765	AGM731F/AGM732F; AXC761/3/5/7/10/15/20 AXM761/AXM762/AXM763/AXM764/ AXM765
ProSUPPORT Maintenance PKGS	OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year	PMB0313 PMB0333 PMB0353	PMB0313 PMB0333 PMB0353	PMB0313 PMB0333 PMB0353

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	48 / 2 10GBase-T
	Fiber Ports	2 SFP+ (10G)	2 SFP+ (10G)
	10Gig Module Bays		
PoE	Power Over Ethernet 802.3af Ports		
	PoE Plus (30W) 802.3at Ports		
	Total PoE Budget		
Stacking	Number of Dedicated Stacking Ports	Up to 4 10G ports	Up to 4 10G ports
	Stacking Bandwidth	80 Gbps	80 Gbps
	Stacking (maximum capacity)	8 switches	8 switches
	Stacking Compatibility	M4300 series	M4300 series
Scalability	# MAC Addresses	16,000	16,000
	ARP Table – Size of	888	888
	# Routing Entries	12,000	12,000
	# ACL Rules	16,384 (ingress, egress)	16,384 (ingress, egress)
System Management	Single IP Management	✓	✓
	Web Managed/GUI	✓	✓
	Command Line Interface/RS232 Console/Telnet	✓	✓
	SNMP Version	v1, v2c, v3	v1, v2c, v3
	RMON Group	1, 2, 3, 9	1, 2, 3, 9
	DHCP (Client/Server/Relay)	Client/Server/L3 Relay	Client/Server/L3 Relay
	Port Mirroring	Many-to-One; RSPAN	Many-to-One; RSPAN
	IPv6 full set	✓	✓
Quality of Service	Number of Priority Queues	8	8
	Traffic Prioritization	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	16 Mb	16 Mb
	Jumbo Frames	9,198	9,198
Availability	Spanning Tree 802.1d/RSTP .1w/MSTP .1s	802.1d, .1w, .1s; PV(R)STP	802.1d, .1w, .1s; PV(R)STP
	RPS Redundant Power Supply	Second optional APS150W	Second optional APS150W
	Modular Power Supply	APS150W	APS150W
Traffic Management	Number of 802.1q VLAN/Number of VLAN Group	4,093/4,093	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	MAC, IP, TCP
	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	34.5W	47.4W
Physical	Desktop/Rackmount	Rackmount	Rackmount
	Metal/Plastic Enclosure	Metal	Metal
	MTBF @ 25°C	1,328,968 hrs	578,472 hrs
	Fan(s)	Front to back	Front to back
	Acoustic Noise @ 25°C	30.3dBA	31.5dBA
	Width x Depth x Height	440 x 310 x 44 mm (17.32 x 12.2 x 1.73 in)	440 x 310 x 44 mm (17.32 x 12.2 x 1.73 in)
	Weight	4.51 kg (9.94 lb)	4.91 kg (10.81 lb)
Electromagnetic Compliance	Class (A or B)	A	A
Warranty Hardware		Lifetime	Lifetime
Warranty Power Supply		Lifetime	Lifetime
Modules		AGM731F/AGM732F; AXC761/3/5/7/10/15/20 AXM761/AXM762/AXM763/AXM764/AXM765	AGM731F/AGM732F; AXC761/3/5/7/10/15/20 AXM761/AXM762/AXM763/AXM764/AXM765
ProSUPPORT Maintenance PKGS	OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year	PMB0313 PMB0333 PMB0353	PMB0313 PMB0333 PMB0353

Fully Managed Switches – Advanced Network Control with Remote Cloud Management

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	48 / 2 10GBase-T
	Fiber Ports	2 SFP+ (10G)	2 SFP+ (10G)
	10Gig Module Bays		
PoE	Power Over Ethernert 802.3af Ports	24	48
	PoE Plus (30W) 802.3at Ports	24	48
	Total PoE Budget	480W (PA)/630W (PB) Up to 720W with second PSU	480W (PA) or 591W (PB) Up to 1,440W with second PSU
Stacking	Number of Dedicated Stacking Ports	Up to 4 10G ports	Up to 4 10G ports
	Stacking Bandwidth	80 Gbps	80 Gbps
	Stacking (maximum capacity)	8 switches	8 switches
	Stacking Compatibility	M4300 series	M4300 series
Scalability	# MAC Addresses	16,000	16,000
	ARP Table – Size of	888	888
	# Routing Entries	12,000	12,000
	# ACL Rules	16,384 (ingress, egress)	16,384 (ingress, egress)
System Management	Single IP Management	✔	✔
	Web Managed/GUI	✔	✔
	Command Line Interface/RS232 Console/Telnet	✔	✔
	SNMP Version	v1, v2c, v3	v1, v2c, v3
	RMON Group	1, 2, 3, 9	1, 2, 3, 9
	DHCP (Client/Server/Relay)	Client/Server/L3 Relay	Client/Server/L3 Relay
	Port Mirroring	Many-to-One; RSPAN	Many-to-One; RSPAN
	IPv6 full set	✔	✔
Quality of Service	Number of Priority Queues	8	8
	Traffic Prioritization	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	16 Mb	16 Mb
	Jumbo Frames	9,198	9,198
Availability	Spanning Tree 802.1d/RSTP .1w/MSTP .1s	802.1d, .1w, .1s; PV(R)STP	802.1d, .1w, .1s; PV(R)STP
	RPS Redundant Power Supply	Second optional APS550W (PA) Second optional APS1000W (PB)	Second optional APS550W (PA) Second optional APS1000W (PB)
	Modular Power Supply	APS550W (PA) or APS1000W (PB)	APS550W (PA) or APS1000W (PB)
Traffic Management	Number of 802.1q VLAN/Number of VLAN Group	4,093/4,093	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	MAC, IP, TCP
	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	577W (PA 1 PSU) 833.2W (PB 1 PSU)	609W (PA 1 PSU) 888W (PB 1 PSU)
Physical	Desktop/Rackmount	Rackmount	Rackmount
	Metal/Plastic Enclosure	Metal	Metal
	MTBF @ 25°C	1,189,685 hrs	673,207 hrs
	Fan(s)	Front to back	Front to back
	Acoustic Noise @ 25°C	39.8dBA	39.8dBA
	Width x Depth x Height	440 x 310 x 44 mm (17.32 x 12.2 x 1.73 in)	440 x 380 x 44 mm (17.32 x 15.28 x 1.73 in)
	Weight	5.09 kg (11.21 lb)	6.55 kg (14.44 lb)
Electromagnetic Compliance	Class (A or B)	A	A
Warranty Hardware		Lifetime	Lifetime
Warranty Power Supply		Lifetime	Lifetime
Modules		AGM731F/AGM732F; AXC761/3/5/7/10/15/20 AXM761/AXM762/AXM763/AXM764/AXM765	AGM731F/AGM732F; AXC761/3/5/7/10/15/20 AXM761/AXM762/AXM763/AXM764/AXM765
ProSUPPORT Maintenance PKGS	OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year	PMB0313 PMB0333 PMB0353	PMB0313 PMB0333 PMB0353

Fully Managed Switches

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

MODEL		M4300-8X8F (XSM4316S)	M4300-16X (XSM4316PA OR XSM4316PB)	M4300-12X12F (XSM4324S)	M4300-24X (XSM4324CS)
Port Configuration	10/100/1000 RJ45 Ports (Auto Uplink)	8 10GBase-T	16 10GBase-T	12 10GBase-T	24 10GBase-T
	Fiber Ports	8 SFP+ (10G)		12 SFP+ (10G)	4 combo SFP+ (10G)
	10Gig Module Bays				
PoE	Power Over Ethernert 802.3af Ports		16		
	PoE Plus (30W) 802.3at Ports		16		
	Total PoE Budget		199W (PA)/500W (PB) APS199W or APS600W		
Stacking	Number of Dedicated Stacking Ports	Up to 16 10G ports	Up to 16 10G ports	Up to 16 10G ports	Up to 16 10G ports
	Stacking Bandwidth	320 Gbps	320Gbps	320 Gbps	320 Gbps
	Stacking (maximum capacity)	8 switches	8 switches	8 switches	8 switches
	Stacking Compatibility	M4300 series	M4300 series	M4300 series	M4300 series
Scalability	# MAC Addresses	16,000	16,000	16,000	16,000
	ARP Table – Size of	888	888	888	888
	# Routing Entries	12,000	12,000	12,000	12,000
	# ACL Rules	16,384 (ingress, egress)	16,384 (ingress, egress)	16,384 (ingress, egress)	16,384 (ingress, egress)
System Management	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/Relay)	Client/Server/L3 Relay	Client/Server/L3 Relay	Client/Server/L3 Relay	Client/Server/L3 Relay
	Port Mirroring	Many-to-One; RSPAN	Many-to-One; RSPAN	Many-to-One; RSPAN	Many-to-One; RSPAN
	IPv6 full set	✔	✔	✔	✔
Quality of Service	Number of Priority Queues	8	8	8	8
	Traffic Prioritization	802.1p ; Diffserv ; TCP/UDP	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	v1, v2, v3
	IGMP Snooping Querier	✔	✔	✔	✔
Performance	Bandwidth	320 Gbps	320 Gbps	480 Gbps	480 Gbps
	Buffer Memory	16 Mb	16 Mb	32 Mb	32 Mb
	Jumbo Frames	9,198	9,198	9,198	9,198
Availability	Spanning Tree 802.1d/RSTP .1w/MSTP .1s	802.1d, .1w, .1s; PV(R)STP	802.1 d, .1 w, .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	APS199W (PA) or APS600W (PB)	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	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	MAC, IP, TCP	MAC, IP, TCP	MAC, IP, TCP
	SSL/SSH & HTTPS	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	49W	308.7W (PA) 610W (PB)	97W	125W
Physical	Desktop/Rackmount	Rackmount	Rackmount	Rackmount	Rackmount
	Metal/Plastic Enclosure	Metal	Metal	Metal	Metal
	MTBF @ 25°C	196,120 hrs	690,301 hours	192,898 hrs	247,437 hrs
	Fan(s)	Front to back	Front to back	Front to back	Front to back
	Acoustic Noise @ 25°C	36.9dBA	35dBA	36.9dBA	37dBA
	Width x Depth x Height	Half-Width: 212 x 345 x 44 mm (8.35 x 13.58 x 1.73 in)	Half-Width: 212 x 345 x 44 mm (8.35 x 13.58 x 1.73 in)	Half-Width: 212 x 345 x 44 mm (8.35 x 13.58 x 1.73 in)	Half-Width: 212 x 345 x 44 mm (8.35 x 13.58 x 1.73 in)
	Weight	3.32kg (7.31 lb)	3.22 kg (7.11 lb)	3.69 kg (8.14 lb)	4.14 kg (9.12 lb)
Electromagnetic Compliance	Class (A or B)	A	A	A	A
Warranty Hardware		Lifetime	Lifetime	Lifetime	Lifetime
Warranty Power Supply		Lifetime	Lifetime	Lifetime	Lifetime
Modules		AGM731F/AGM732F; AXC761/3/5/7/10/15/20 AXM761/AXM762/AXM763/AXM764/AXM765	AGM731F/AGM732F; AXC761/3/5/7/10/15/20 AXM761/AXM762/AXM763/AXM764/AXM765	AGM731F/AGM732F; AXC761/3/5/7/10/15/20 AXM761/AXM762/AXM763/AXM764/AXM765	AGM731F/AGM732F; AXC761/3/5/7/10/15/20 AXM761/AXM762/AXM763/AXM764/AXM765
ProSUPPORT Maintenance PKGS	OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year	PMB0313 PMB0333 PMB0353	PMB0313 PMB0333 PMB0353	PMB0314 PMB0334 PMB0354	PMB0314 PMB0334 PMB0354

Fully Managed Switches

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

MODEL		M4300-24XF (XSM4324FS)	M4300-24X24F (XSM4348S)	M4300-48X (XSM4348CS)	M4300-48XF (XSM4348FS)
Port Configuration	10/100/1000 RJ45 Ports (Auto Uplink)	2 combo 10GBase-T	24 10GBase-T	48 10GBase-T	2 combo 10GBase-T
	Fiber Ports	24 SFP+ (10G)	24 SFP+ (10G)	4 combo SFP+ (10G)	48 SFP+ (10G)
	10Gig Module Bays				
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	Up to 16 10G ports
	Stacking Bandwidth	320 Gbps	320 Gbps	320 Gbps	320 Gbps
	Stacking (maximum capacity)	8 switches	8 switches	8 switches	8 switches
	Stacking Compatibility	M4300 series	M4300 series	M4300 series	M4300 series
Scalability	# MAC Addresses	16,000	128,000	128,000	128,000
	ARP Table – Size of	888	8,192	8,192	8,192
	# Routing Entries	12,000	12,000	12,000	12,000
	# ACL Rules	16,384 (ingress, egress)	16,384 (ingress, egress)	16,384 (ingress, egress)	16,384 (ingress, egress)
System Management	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/Relay)	Client/Server/L3 Relay	Client/Server/L3 Relay	Client/Server/L3 Relay	Client/Server/L3 Relay
	Port Mirroring	Many-to-One; RSPAN	Many-to-One; RSPAN	Many-to-One; RSPAN	Many-to-One; RSPAN
	IPv6 full set	✓	✓	✓	✓
Quality of Service	Number of Priority Queues	8	8	8	8
	Traffic Prioritization	802.1p ; Diffserv ; TCP/UDP	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	v1, v2, v3
	IGMP Snooping Querier	✓	✓	✓	✓
Performance	Bandwidth	480 Gbps	960 Gbps	960 Gbps	960 Gbps
	Buffer Memory	32 Mb	56 Mb	56 Mb	56 Mb
	Jumbo Frames	9,198	9,198	9,198	9,198
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	802.1d, .1w, .1s; PV(R)STP
	RPS Redundant Power Supply		Second optional APS250W	Second optional APS250W	Second optional APS250W
	Modular Power Supply	APS250W	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	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	MAC, IP, TCP	MAC, IP, TCP	MAC, IP, TCP
	SSL/SSH & HTTPS	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	125W	161W	237.2W	152.4 Watts
Physical	Desktop/Rackmount	Rackmount	Rackmount	R	R
	Metal/Plastic Enclosure	Metal	Metal	Metal	Metal
	MTBF @ 25°C	968,447 hours	133,176 hrs	249,393 hrs	657,392 hours
	Fan(s)	Front to back	Front to back	Front to back	Front to back
	Acoustic Noise @ 25°C	39.07dBA	35.8dBA	40.3dBA	42.4dBA
	Width x Depth x Height	Half-Width: 212 x 345 x 44 mm (8.35 x 13.58 x 1.73 in)	440 x 345 x 44 mm (17.32 x 13.58 x 1.73 in)	440 x 345 x 44 mm (17.32 x 13.58 x 1.73 in)	440 x 345 x 44 mm (17.32 x 13.58 x 1.73 in)
	Weight	3.56kg (7.85lb)	6.12 kg (13.48 lb)	6.55 kg (14.44 lb)	5.86kg (12.92lb)
Electromagnetic Compliance	Class (A or B)	A	A	A	A
Warranty Hardware		Lifetime	Lifetime	Lifetime	Lifetime
Warranty Power Supply		Lifetime	Lifetime	Lifetime	Lifetime
Modules			AGM731F/AGM732F; AXC761/3/5/7/10/15/20 AXM761/AXM762/AXM763/ AXM764/AXM765	AGM731F/AGM732F; AXC761/3/5/7/10/15/20 AXM761/AXM762/AXM763/ AXM764/AXM765	AGM731F/AGM732F; AXC761/3/5/7/10/15/20 AXM761/AXM762/AXM763/ AXM764/AXM765	AGM731F/AGM732F; AXC761/3/5/7/10/15/20 AXM761/AXM762/AXM763/ AXM764/AXM765
ProSUPPORT Maintenance PKGS	OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year	PMB0314 PMB0334 PMB0354	PMB0314 PMB0334 PMB0354	PMB0314 PMB0334 PMB0354	PMB0314 PMB0334 PMB0354

Fully Managed, M4300 series (L3), Gigabit and 10-Gigabit   Fully Managed, M4500 series (L3), 10, 25, 50 and 100-Gigabit

MODEL		M4300-96X (XSM4396K0 OR K1)	M4500-32C (CSM4532)	M4500-48XF8C (XSM4556)
Port Configuration	10/100/1000 RJ45 Ports (Auto Uplink)	Up to 96 10GBaseT		
	Fiber Ports	Up to 96 SFP+ / 24 QSFP+	32 QSFP28 (100G)	48 SFP28 (10/25G) / 8 QSFP28 (100G)
	10Gig Module Bays			
PoE	Power Over Ethernet 802.3af Ports	Up to 48		
	PoE Plus (30W) 802.3at Ports	Up to 48		
	Total PoE Budget	Up to 1,440W		
Stacking	Number of Dedicated Stacking Ports	Up to 16 10G or 40G ports		
	Stacking Bandwidth	320 Gbps		
	Stacking (maximum capacity)	8 switches		
	Stacking Compatibility	M4300 series	MLAG (M4500 Series)	MLAG (M4500 Series)
Scalability	# MAC Addresses	256,000	32,000	32,000
	ARP Table – Size of	8,192	8,192	8,192
	# Routing Entries	12,000	32,000	32,000
	# ACL Rules	16,384 (ingress, egress)	16,384 (ingress, egress)	16,384 (ingress, egress)
System Management	Single IP 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; RSPAN	Many-to-One; RSPAN	Many-to-One; RSPAN
	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	1.920 Tbps	6.4 Tbps	4 Tbps
	Buffer Memory	96 Mb	256Mb	256Mb
	Jumbo Frames	9,198	9,198	9,198
Availability	Spanning Tree 802.1d/RSTP .1w/MSTP .1s	802.1d, .1w, .1s; PV(R)STP	802.1d, .1w, .1s	802.1d, .1w, .1s
	RPS Redundant Power Supply	Second optional APS600W or APS1200W	Second APS750W (included)	Second APS750W (included)
	Modular Power Supply	APS600W or APS1200W	APS750W	APS750W
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	✓	✓	✓
	Rate Limiting	✓	✓	✓
	Broadcast Storm Control	✓	✓	✓
L3 Routing	IPv4 Static Routing	✓	✓	✓
	IPv4 RIPv1/2, OSPFv1/2, VRRP, EMCP	✓	OSPFv2, VRRP, EMCP, BGP4	OSPFv2, VRRP, EMCP, BGP4
	IPv6 Static Routing, IPv6 OSPFv3	✓	✓	✓
	IPv4 / IPv6 Multicast Routing PIM-SM/DM	✓	PIM-SM/SSM	PIM-SM/SSM
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	SSL/SSH
	Guest VLAN	✓	✓	✓
	DHCP Snooping/IP Source Guard/ARP Guard	✓	✓	✓
	TACACS+	✓	✓	✓
Energy Efficiency	IEEE 802.3az	✓		
	Auto Port Power Down	✓		
	Dynamic Power Consumption	✓		
	Power Consumption	566W (without PoE) 2,006W (max PoE)	426 Watts	394 Watts
Physical	Desktop/Rackmount	R	R	R
	Metal/Plastic Enclosure	Metal	Metal	Metal
	MTBF @ 25°C	519,784 hrs	281,359 hours	289,052 hours
	Fan(s)	Front to back	Front to back	Front to back
	Acoustic Noise @ 25°C	35.8dBA (no PoE); 66.8dBA (max PoE)	64dBA	68dBA
	Width x Depth x Height	440 x 535 x 88 mm (17.32 x 21.08 x 3.47 in)	440 x 508 x 43 mm (17.32 x 20 x 1.7 in)	440 x 508 x 43 mm (17.32 x 20 x 1.7 in)
	Weight	16.28 kg (35.86 lb) (K1)	9.78kg (21.54lb)	9.73kg (21.43lb)
Electromagnetic Compliance	Class (A or B)	A	A	A
Warranty Hardware		Lifetime	Lifetime	Lifetime
Warranty Power Supply		Lifetime	Lifetime	Lifetime
Modules		AGM731F/AGM732F; AXC761/3/5/7/10/15/20 AXM761/AXM762/AXM763/ AXM764/AXM765; AXLC761/AXLC763 AXLM761/AXLM762	AGM731F/AGM732F; AXC761/3/5/7/10/15/20 AXM761/AXM762/AXM763/ AXM764/ AXM765; AXLC761/3; ACC761/3 AXLM761/AXLM762; ACM761/ACM762	AGM731F/AGM732F; AXC761/3/5/7/10/15/20 AXM761/AXM762/AXM763/ AXM764/ AXM765; AXLC761/3; ACC761/3 AXLM761/AXLM762; ACM761/ACM762
ProSUPPORT Maintenance PKGS	OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year	PMB0314 PMB0334 PMB0354	PMB0314 PMB0334 PMB0354	PMB0314 PMB0334 PMB0354

Modules and Accessories for Switches

For use with managed switches

Gigabit Fiber Modules

MODEL	AGM731F	AGM732F	AGM734
Product Description	SFP Transceiver 1000BASE-SX	SFP Transceiver 1000BASE-LX	SFP Transceiver 1000BASE-T
Distance	Up to 550m	Up to 10km	Up to 100m
Cabling Type	IEEE 802.3z 1000BASE-SX	IEEE 802.3z 1000BASE-LX	1000BASE-T
Connector	LC duplex	LC duplex	RJ45
Interface (Bus) Type	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
Data Transfer Rate	1 Gbps	1 Gbps	1 Gbps
Hot-Swappable	✓	✓	✓
Fiber Cable Support	50µm OM4 multimode (1000m); 50µm OM3 multimode (550m); 62.5µm OM1/OM2multimode (275m)	9µm single mode (10km)	Copper CAT5E or better (1000 Mbps Full Duplex only)
Switch Compatibility	Select Plus, Smart, Fully Managed Switches	Select Plus, Smart, Fully Managed Switches	Select Plus, Smart, Fully Managed Switches
Warranty	5 years	5 years	5 years

10-Gigabit Copper and Fiber Modules

MODEL	AXM761	AXM762
Product Description	SFP+ Transceiver 10GBASE-SR	SFP+ Transceiver 10GBASE-LR
Distance	Up to 500m	Up to 10km
Cabling Type	10GBASE-SR "Short Reach"	10GBASE-LR "Long Reach"
Connector	LC duplex	LC duplex
Interface (Bus) Type	10-Gigabit Small Form Factor Pluggable (SFP+)	10-Gigabit Small Form Factor Pluggable (SFP+)
Form Factor	Plug-in SFP+	Plug-in SFP+
Data Transfer Rate	10 Gbps	10 Gbps
Hot-Swappable	✓	✓
Fiber Cable Support	50µm OM4 multimode (500m); 50µm OM3 multimode (300m); 62.5µm OM1/OM2multimode (33m)	9µm single mode (10km)
Switch Compatibility	Select Plus, Smart, Fully Managed Switches	Select Plus, Smart, Fully Managed Switches
Warranty	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 OM1/50µm OM2 multimode (220m); 50µm OM3/OM4 multimode (260m)	9µm single mode (2km)	CAT6a / CAT7 (Copper)	NA	NA
Switch Compatibility	Select Unmanaged, Plus, Smart, Fully Managed Switches	Select Unmanaged, Plus, Smart, Fully Managed Switches	Select Unmanaged, Plus, Smart, Fully Managed Switches	Select Unmanaged, Plus, Smart, Fully Managed Switches	Select Unmanaged, Plus, Smart, 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, Plus, Smart, Fully Managed Switches	Select Unmanaged, Plus, Smart, Fully Managed Switches	Select Unmanaged, Plus, Smart, Fully Managed Switches	Select Unmanaged, Plus, Smart, Fully Managed Switches	Select Unmanaged, Plus, Smart, Fully Managed Switches
Warranty	5 year	5 year	5 year	5 year	5 year

40-Gigabit Copper and Fiber Modules

MODEL	AXLC761	AXLC763	AXLM762
Product Description	Passive QSFP+ DAC 1m	Passive QSFP+ DAC 3m	QSFP+ Transceiver 40GBASE-LR4
Distance	1m	3m	Up to 10km
Cabling type	Direct Attach Cable	Direct Attach Cable	40GBASE-LR4
Connector	QSFP+	QSFP+	LC duplex
Interface (Bus) type	40 Gigabit Small Form Factor Pluggable (QSFP+)	40 Gigabit Small Form Factor Pluggable (QSFP+)	40 Gigabit Small Form Factor Pluggable (QSFP+)
Form Factor	QSFP+ Cable	QSFP+ Cable	Plug-in QSFP+
Data transfer Rate	40 Gbps	40 Gbps	40 Gbps
Hot-Swappable	✓	✓	✓
Fiber Cable support	NA	NA	9µm single mode (10km)
Switch Compatibility	M4300-96X, M4500 Switches	M4300-96X, M4500 Switches	M4300-96X, M4500 Switches
Warranty	5 Year	5 Year	5 Year

100-Gigabit Copper and Fiber Modules

MODEL	ACC761	ACC763	ACM761	ACM762
Product Description	Passive QSFP28 DAC 1m	Passive QSFP28 DAC 3m	QSFP28 Transceiver 100GBASE-SR4	QSFP28 Transceiver 100GBASE-LR4
Distance	1m	3m	Up to 100m	Up to 10km
Cabling type	Direct Attach Cable	Direct Attach Cable	100GBASE-SR4 (4 MMF links)	100GBASE-LR4 (1 SMF link)
Connector	QSFP28	QSFP28	MTP/MPO connector	LC duplex
Interface (Bus) type	100 Gigabit Small Form Factor Pluggable (QSFP28)	100 Gigabit Small Form Factor Pluggable (QSFP28)	100 Gigabit Small Form Factor Pluggable (QSFP28)	100 Gigabit Small Form Factor Pluggable (QSFP28)
Form Factor	QSFP28 Cable	QSFP28 Cable	Plug-in QSFP28	Plug-in QSFP28
Data transfer Rate	100 Gbps	100 Gbps	100 Gbps	100 Gbps
Hot-Swappable	✓	✓	✓	✓
Fiber Cable support	NA	NA	50µm OM4 multimode (100m); 50µm OM3 multimode (100m)	9µm single mode (10km)
Switch Compatibility	M4500 Switches	M4500 Switches	M4500 Switches	M4500 Switches
Warranty	5 Year	5 Year	5 Year	5 Year

Modular Power Supply

MODEL	APS150W	APS250W	APS299W	APS550W
Product Description	150-Watt Modular Power Supply	250-Watt Modular Power Supply	299-Watt Modular Power Supply	550-Watt Modular Power Supply
Hot-Swappable	When 2 PSUs	When 2 PSUs	-	When 2 PSUs
Switch Compatibility	M4300 series (1G non-PoE models)	M4300 series (10G models)	M4300-16X (PA)	M4300 series (PoE PA models)
Warranty	5 year	5 year	5 year	5 year

Modules and Accessories for Switches

For use with managed switches

Modular Power Supply					
MODEL	APS600W	APS750W	APS1000W	APS1200W	RPS4000v2
Product Description	600-Watt Modular Power Supply	750-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	When 2 PSUs	When 2 PSUs	When 2 PSUs	
Switch Compatibility	M4300-16X (PB), M4300-96X	M4500 series	RPS4000v2, M4300 series (PoE PB models), M6100	M4300-96X	S3300 (PoE), M4100, M4300 (48p PoE models), M5300, M6100
Warranty	5 year	5 year	5 year	5 year	5 year

Third-Party Modules

ZeeVee HDMI Module for M4300-96X

MFG: ZEEVEE
Model No: ZyPer4K Quad Encoder
Description: 4x HDMI Input module for M4300-96X, on-board SDVoE encoder
Contact ZeeVee for details: https://www.zeevee.com/zyper4k-hdmi-module/

DVIGear HDMI Module for M4300-96X

MFG: DVIGEAR
Model No: DN-150-TX-Quad
Description: 4x HDMI Input module for M4300-96X, on-board SDVoE encoder
Contact DVIGear for details: https://www.dvigear.com/displaynet-dn-150-tx-quad.html

Modules and Accessories for Switches

Accessory Power Adapters

Increase or decrease your PoE budget anytime by simply upgrading your switch Power Supply, without having to purchase a new switch. Future-proof your PoE budget with GS108LP or GS116LP. And if you have power-hungry devices and directly need a high power PoE switch, buy GS108PP or GS116PP. This unique combination from NETGEAR Business makes these switches the most adaptive in the market.

The following table describes the Accessory Power Adapters which are sold separately and is only compatible with NETGEAR products for GS108LP, GS108PP, GS116LP and GS116PP only.

SWITCH MODEL	POWER ADAPTER MODEL	POWER ADAPTER WATTAGE	PoE+ POWER WATTAGE
GS108LP (Comes w/67.5W PA)	EPS90W EPS130W	90W 130W	83W 123W
GS108PP (Comes w/130W PA	EPS90W EPS130W	90W 130W	83W 123W
GS116LP (Comes w/90W PA)	EPS90W EPS130W EPS200W	90W 130W 200W	76W 115W 183W
GS116PP (Comes w/200W PA)	EPS90W EPS130W EPS200W	90W 130W 200W	76W 115W 183W

	EPS90W	EPS130W	EPS200W
Input	110V-240V ~ 50/60Hz	110V-240V ~ 50/60Hz	110V-240V ~ 50/60Hz
Output	54V @ 1.66A	54V @ 2.4A	54V @ 3.7A
Weight	0.88 lb (0.40 kg)	0.43 lb (0.43 kg)	1.87 lb (0.85 kg)
Dimension L x W x H	5.65 x 2.55 x 1.27 in	5.91 x 2.55 x 1.27 in	7.78 x 3.50 x 1.54 in
Cord Length	6 feet (180 cm		
Power Adapters Warranty	2-years		
Technical Support	90 days of free technical support from purchase date		
ProSUPPORT Maintenance Contracts***	PMB0S11-10000S OnCall 24x7 1-year Category S1 PMB0S31-10000S OnCall 24x7 3-year Category S1 PMB0S51-10000S OnCall 24x7 5-year Category S1		

WIRELESS PRODUCT CATEGORIES

Business Essentials

- Instant setup
- Single room usage
- Dual band equipped
- Great price/performance
- Separate guest access

Orbi Pro Mesh Systems

- Whole office coverage
- Mesh wire-free installation
- Home office/Micro business
- Dedicated backhaul
- Performance
- Remote management
- Easy installation

Managed Access Points

- Local or Remote management
- Wired installation with PoE
- Small and Medium businesses
- Advanced WiFi with roaming, load balancing
- Performance and coverage
- Multiple AP deployments

WIRELESS

BUSINESS ESSENTIALS – WIFI THAT JUST WORKS:
AFFORDABLY, EASILY, POWERFULLY.

Many small businesses need high-performance, problem-free WiFi, but they also often have tight budgets, so they want to limit their WiFi investment. Too much to ask to have both? We don't think so, which is why we created the Business Essentials range.

Designed specifically for small businesses – such as home offices, retail outlets, clinics, workshops – Business Essentials is a growing family of value-for-money wireless access points. They provide excellent speed and comprehensive coverage, combined with easy set-up and management. All the basic features that users need are included, but without paying for those that are not (though we've managed to squeeze in some extras within the price point).

Business Essentials are all about instantly and easily dealing with typical problems and hurdles that microbusinesses may face, such as: spotty or dropped connectivity, network congestion, slow speeds, lack of security, complicated installation and on-going management. These affordable, standalone wireless access points deliver fast bandwidth, reliable and safe performance, plus make it easy to expand WiFi coverage.

Fuss-free

No one wants to waste valuable time setting-up and managing WiFi, which is why the design team behind the Business Essentials range prioritized effort-free installation and easy on-going maintenance. Just two straightforward installation steps are required through an intuitive web-interface, and then the units are ready to go. While 'set-and-forget', the user interface also supports any future management or troubleshooting. If needed, users get 90 days phone and chat support (plus a 3 year hardware warranty).

Within the range, there are a variety of options such as: WiFi 5 or WiFi 6; the ability to create sub-networks or not; Power-over-Ethernet (PoE) or no PoE; and desktop, wall or ceiling-mounted. The compact and attractive design of the product family means that they can fit neatly into just about any environment, whether on display or hidden from sight.

Use cases

Here are some examples of typical Business Essentials users and situations:

Dedicated home office WiFi – whether for business owners sheltering-in-place or working permanently at home.

Remote teaching – from arithmetic to yoga, connecting tutors with pupils.

College students' dorm rooms – with guest access for work and entertainment.

Small business and retail shops – with distinctly separate customer-facing and back-office spaces within the same unit.

Dental office or workshops – with a lobby area for visitors: instead of adding to the existing system, simply install a standalone Business Essentials access point (connected to a router).

Meet the family

New models are going to be added to Business Essentials on a regular basis, but so far, the family has five members: the WAC104 and WAC124 – both of which are based on WiFi 5 – and the WAX204, WAX214, WAX218, all of which work on WiFi 6.

The WAX218 deserves a quick shout-out of its own, because this outstanding dual-band, eight-stream (4x4 + 4x4) access point provides an unrivalled specification within this price range, including double the throughput – 3.6 Gbps – than comparable alternatives.

Beyond the WAX218, all members of the Business Essentials range each bring their own individual benefit. For instance, different models feature:

Separate and secure wireless sub-networks – so a home, retail or other small business could have separate networks for different categories of user: parents, kids, guests, staff, patients and pupils. WAP3 and a DHCP NAT server for firewall security.

Power over Ethernet – PoE using a single cable for both power and data, eliminating the need for an electrical outlet near the access point, which means fewer messy cables and no need to call in the services of a qualified electrician.

2.5Gb Ethernet – direct wired connection to printers, TV, storage or games consoles for even faster performance.

WiFi 6 – this brings 40% more speed and support for quadruple the number of concurrent connected devices (when compared to WiFi 5 on the same radio configuration).

It's also important to understand what the Business Essentials range is not: these are not WiFi extenders, they don't daisy-chain together like mesh systems can, and they don't include remote cloud-based management. For users that need more than just basic but great standalone WiFi, then it is time to look at other NETGEAR ranges.

But for many microbusinesses and home workers, Business Essentials is going to give them what they need right now. Sometimes, less really is more.

NETGEAR BUSINESS ESSENTIALS ACCESS POINTS PORTFOLIO

	WAC104	WAC124	WAX204	WAX214	WAX218
Typical Deployment	High performance small and home office	Designed for SOHO applications customers	Small offices, health clinics, small hotels	Micro businesses, health clinics, small hotels	Small businesses, health clinics, work shops
Wireless Standard	802.11AC	801.11AC Wave 2	802.11b/g/n/ac/ax	802.11b/g/n/ac/ax	802.11b/g/n/ac/ax
Dual Band	Concurrent	Concurrent	Concurrent	Concurrent	Concurrent
Max # of Concurrent Clients (standalone)	24	32	64	128	256
# of Ethernet Ports	4+1 (LAN, WAN)	4+1 (LAN, WAN)	5	1	1
PoE				✓	✓
Mounting Options	Desk standable/Wallmount	Desk standable/Wallmount	Desk standable	Ceiling/Wallmount	Ceiling/Wallmount
# of SSIDs	1	3	3	4	4

Business Essentials

WAX204

The NETGEAR WiFi 6 AX1800 Dual Band Wireless Access Point (AP) delivers 802.11ax high performance wireless connectivity for Small Office and Home Office (SOHO) deployments and supports dual band concurrent WiFi 6 operations at 2.4GHz and 5GHz with a combined throughput of 1.8Gbps (600Mbps at 2.4GHz and 1200Mbps at 5GHz). The WAX204 WiFi 6 Access Point provides standalone configuration with easy setup for a reliable, 802.11ax high performance, and cost effective wireless solution.

WAX214

The NETGEAR WiFi 6 AX1800 PoE Wireless Access Point (AP) delivers 802.11ax high performance wireless connectivity for Small Office and Home Office (SOHO) deployments and supports dual band concurrent WiFi 6 operations at 2.4GHz and 5GHz with a combined throughput of 1.8Gbps (600Mbps at 2.4GHz and 1200Mbps at 5GHz). The WAX214 WiFi 6 Access Point provides standalone configuration with easy setup for a reliable, WiFi 6 802.11ax high performance, and cost effective wireless solution. The WAX214 can be powered by Power-over-Ethernet or a DC power adapter.

WAX218

The NETGEAR WiFi 6 AX3600 PoE Wireless Access Point (AP) delivers 802.11ax high performance wireless connectivity for Small Office and Home Office (SOHO) deployments and supports dual band concurrent WiFi 6 operations at 2.4GHz and 5GHz with a combined throughput of 3.6Gbps (1200Mbps at 2.4GHz and 2400Mbps at 5GHz).   The WAX218 WiFi 6 Access Point provides standalone configuration with easy setup for a reliable, WiFi 6 802.11ax high performance, and cost effective wireless solution. The WAX218 can be powered by Power-over-Ethernet or a DC power adapter.

Orbi Pro WiFi 6 (SXK80)

Orbi Pro WiFi 6 is the most powerful Mesh WiFi system on the market. Whether you are looking to meet the high-demand needs of your home [office] or small business, with Orbi Pro WiFi 6 you will experience unprecedented WiFi speed and area coverage, connection capacity, and management flexibility and control for today and tomorrow.

The ultimate WiFi 6 experience for home or office

### Orbi Pro WiFi6 for better WiFi Mesh

- Now all the devices connected to your WiFi will operate at optimum speed. No more slow video streaming or conferencing,
- With WiFi 6 you can get ultra-fast connections to all your devices consistently.
- Coverage up to 3,000 per unit
- 2.5Gbps Ethernet ports to support WiFi 6 throughputs in excess of 1 Gigabit - 1 on router and 1 on each satellite
- 4 gigabit Ethernet ports for wired network connectivity
- Create up to 4 individual wireless networks (SSIDs and VLAN) or manage network remotely with the Insight app
- Dedicated backhaul - A dedicated band between router and satellite frees up the other two bands for maximum speed to your devices.
- Direct wired connection between devices means even more bandwidth becomes available for fast WiFi usage to your devices

INTRODUCING ONE-TOUCH WIRELESS VISIBILITY & MANAGEMENT

NETGEAR introduces the new IT revolution for small businesses with "One-touch connectivity" with Insight management app. Experience easy set-up, remote management and full control of your wireless network. With 20 years of experience in small & medium business networking, NETGEAR is now delivering wireless connectivity that "just works" at your fingertips.

NETGEAR Insight enables multi-device configuration of your NETGEAR Insight Managed wireless access points, either locally or remotely. It provides network management, monitoring and service deployment across multiple remote and local sites for the easiest and most user-friendly wireless networking experience. Anywhere management also includes Insight Managed switches and Business-Class ReadyNAS on top of Insight Managed Wireless Access points, enabling whole network visibility and management. Insight app also allows you discover select wired and wireless devices from your local or remote network.

WAX620

WAX610

WAC540

WAC510

WIRED/WIRELESS DASHBOARD   DETAILED CLIENT STATISTICS   WIRED AND WIRELESS DATA
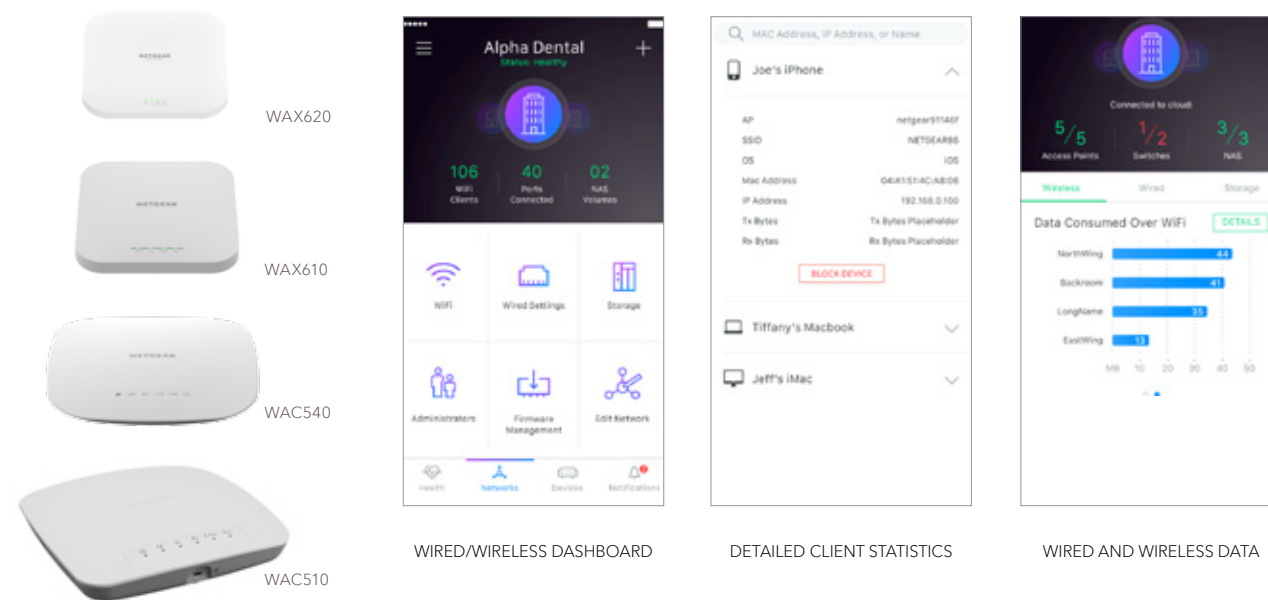
The WiFi 6 difference

Increased speed, coverage, and capacity for today's WiFi demands

Speed
Up to 70% faster speeds on both bands

Coverage
Up to 50% more coverage, with no dead zones

Device Capacity
More simultaneous users, with high WiFi quality for everyone

WAX620
WAX620 is a high performance dual band 4x4 WiFi 6 access point, ideal for small and medium sized businesses.

WAX610
Perfect for high density client environments such as schools, hotels, restaurants and conference centres. It provides enterprise grade WiFi network security combined with Insight management that allows it to immediately integrate with your current NETGEAR Insight managed switches.

WAX610Y
The WAX610Y is the outdoor version of the WAX610. It's waterproof, dustproof and protected by a P2i nano-coating that meets the IP55 rating to withstand rain and outdoor atmosphere.

BUSINESS FEATURES FOR HIGHER SPEED, GREATER COVERAGE AND HIGHER DENSITY WIFI
Business class WiFi with superior Wave 2 802.11ac performance and range
2x2 and 4x4 with multiple streams of data for aggregate throughput of up to 1.3Gbps for WAC510 and 3Gbps for WAC540
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 WAC510 and WAC540 Access Points, no additional hardware needed
Market leading 5-year warranty with 24x7 chat support for peace of mind

WiFi 6 for business and home office

NETGEAR has been at the forefront of innovation and cutting-edge solution for more than 20 years, providing innovative and ground-breaking network solutions which include a suite of advanced WiFi 6 products – giving you access to the most advanced WiFi on the planet.

WiFi 6 overcomes these challenges

- Coverage and range, especially through walls in blind spots
- Need for faster and easier set up
- Network and per device speed, especially with more devices

- Demand for security and access control
- Need for smooth configuration and firmware updates

WiFi 6 for business

Why are businesses adopting WiFi 6?

- Best WiFi Speed – 70% more throughput than WiFi 5
- Connect More Devices - optimized speed even in high density areas
- Improved Coverage
- Future-Proofing
- Compatibility
- Battery Efficiency

- Seamless Roaming
- Faster Backbone with 2.5G - Multi-gig networking and connectivity
- High Density IoT
- Safer Networks

Remote WiFi 6 management

Most NETGEAR WiFi 6 business access points include NETGEAR Insight, the award-winning remote cloud management solution for easy installation, monitoring, and management from anywhere.

NETGEAR Insight is an industry first in network management, providing easy plug-and-play setup and management. Its cloud portal can be accessed via an intuitive web interface or the Insight mobile app. Insight offers a wide variety of configuration options for the most basic networks to multi-tenancy and multi-roles.

NETGEAR Insight enables easy configuration, monitoring, and management of your wireless access points together with Insight-managed switches and storage. Wireless management features include: Instant WiFi for automatic wireless configuration to limit interferences, frequency band selection, VLAN creation and association with SSID, WiFi security configuration, visibility into WiFi clients, reporting, and many more.

Learn more: https://www.netgear.com/business/services/insight/

Use cases

Who is upgrading to WiFi 6?

HOME OFFICE

Sharing a WiFi connection with the rest of the family as people are working from home, video calling or downloading large files can slow everyone down. WiFi 6 is optimized for concurrent users.

RETAIL

As wireless handheld Point of Sale devices increase in use so does the need for suffcinet bandwidth and total site coverage. WiFi 6 can meet those growing demands.

MANUFACTURING

From AI assembly line robots to autonomous delivery trucks, most or all new machinery and IoT will require high bandwidth and capacity.

HEALTH CARE

As medicine moves toward more innovative technologies for imaging, record storage, and telehealth, it requires more bandwidth. Upgrading to WiFi 6 helps ease high demand and provide efficiency.

PUBLIC SECTOR

Libraries, city halls, police offices and the public sector in general are becoming more technologically advanced and reliant on WiFi and need the bandwidth capacity and efficiency it offers.

FINANCE

Finance companies need high bandwidth and zero-delay streaming to meet the needs of daily stock market traders and demanding finance apps. WiFi 6 can keep up with these demand.

HOSPITALITY

Older, legacy WiFi systems have slow bandwidth lack device capacity and less secure connections. WiFi 6 can meet growing demand for connectivity across all the technology and devices the industry depends on.

EDUCATION

The increase in video streaming, online classes, and other internet-based instruction have huge demands for bandwidth and capacity that older legacy WiFi technologies cannot provide. Future-proofing schools and institutions with WiFi 6 greatly improve student's and teacher's educational experiences.
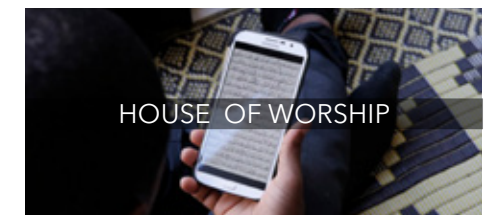
HOUSE OF WORSHIP

Houses of worship need great network conncetivity to make sure everything runs smoothly for the team and improve the congregation's experince. Reliability, simplicity and affordability are high priorities. WiFi 6 checks all those boxes.

Wireless Access Points

11ac Access Points

Essentials

Insight Managed Access Point

MODEL	WAC104	WAC124	WAC510	WAC540
Product Description	Dual Band 802.11ac Wireless Access Point	Dual Band 4x4 Wireless Access Point	AC WiFi Business AP with NETGEAR® Insight app for easy management	AC WiFi Business AP with NETGEAR Insight app for easy management
Typical Deployment	High performance small and home office	Designed for SOHO applications customers	Small to Mid-size customers for ease of deployment	
WIRELESS				
Standard	802.11ac	802.11ac Wave 2	802.11 a/b/g/n/ac	802.11ac Wave 2
Dual Band	concurrent	concurrent	concurrent	Tri band
2.4 GHz	✓	✓	✓	✓
5 GHz	✓	✓	✓	✓
TX by Rv	2 x 2 (2.4GHz)	2 x 2 (2.4GHz) 4x4 (5GHz)	2 x 2	4x4 @5GHz, 2x2 @5GHz, 2x2 @2.4GHz
Throughput per Radio	300/867 Mbps	300/1732 Mbps	300/867 Mbps	400/867/1733 Mbps
Max # of Concurrent Clients (standalone)	24	32	200	600
HARDWARE				
# of Ethernet Ports	4+1 (LAN, WAN)	4+1 (LAN, WAN)	2	2
Speed of Ethernet Ports	10/100/1000 Mbps	10/100/1000 Mbps	10/100/1000 Mbps	10/100/1000 Mbps
PoE			✓	PoE+ (25.5w)
Antenna Type	External	External/Internal	Internal	Internal
Antenna Gain	3dBi	3dBi	3dBi (2.4GHz) 6dBi (5GHz)	3dBi (2.4GHz) 4dBi (5GHz)
Physical Size	240 x 181 x 41 mm	236 x 151 x 55 mm	197x 197 x 37 mm	242 x 242 x 40 mm
Enclosure Material	Plastic	Plastic	Plastic	Plastic
Kensington Lock			✓	
Ceiling/Wall Mounting	✓	✓	✓	✓
Power Consumptions (W) Max	8.1W	16.2W	9W	25.5W
MANAGEMENT				
Deployment Options	Standalone	Standalone	Standalone / Insight	Standalone/Insight
FEATURES				
# of SSIDs	1	3	8	8
WEP	✓			✓
WPA-PSK/TKIP	✓	✓	✓	✓
WPA2-PSK/AES	✓	✓	✓	✓
802.1X				✓
Rogue AP Detection			✓	✓
WIDS/WIPS			✓	✓
Wireless Distribution Systems	✓	Client mode	✓	✓
Repeater			✓	
Point-to-Point/Multi-Point	✓	✓	✓	✓
Simultaneous Bridge/Client Association	✓	✓	✓	✓
Captive Portal			✓	✓
VLANs			✓	✓
MAC ACL	✓	✓	✓	✓
802.11e/WMM	✓	✓	✓	✓
Rate Limiting			✓	✓
Bandwidth Management			✓	✓
Beamforming		✓	✓	✓
Bandsteering	✓	✓	✓	✓
ORDERING				
Warranty	3 years	3 years	5 years	5 years
Product Ordering SKU	WAC104-100NAS WAC104-100AUS WAC104-100PES WAC104-100UKS WAC104-100INS	WAC124-100NAS WAC124-100PES WAC124-100UKS WAC124-100CNS	WAC510-10000S WAC510-100NAS	WAC540-100NAS WAC540-10000S WAC540PA-100NAS
ProSUPPORT Maintenance PKGS				
OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year	PMB0S11 PMB0S31 PMB0S51	PMB0311 PMB0331 PMB0351	PMB0S12 PMB0S32 PMB0S52	

Wireless Access Points

11ac and WiFi 6 Access Points

Insight Managed Access Point

MODEL	WAX610	WAX610Y	WAX620	WBC502
Product Description	Insight Managed WiFi 6 Dual Band AP	Insight Managed WiFi 6 AX1800 Dual Band Outdoor PoE AP	Insight Managed WiFi 6 AX3600 Dual Band AP	Insight Instant Wireless AirBridge
Typical Deployment	Small to Mid-size customers for ease of deployment	Outdoor deployment for schools, hotels, Small and medium enterprise	Small to Mid-size customers for ease of deployment	Point-to-Point network extension to a detached site
WIRELESS				
Standard	802.11 a/g/n/ac/ax	802.11 a/g/n/ac/ax	802.11a/g/n/ac/ax	802.11ac Wave 2
Single Band				
Dual Band	✓	✓	✓	✓
2.4 GHz	✓	✓	✓	✓ (for management only)
5 GHz	✓	✓	✓	✓
TX by Rv	2 x 2	2 x 2	4 x 4	2 x 2
Throughput per Radio	600/1200 Mbps	600/1200 Mbps	1200/2400 Mbps	867 Mbps
Max # of Concurrent Clients (standalone)	30	30	75	In long distance AirBridge mode: Zero clients In Access Point mode: 32 clients
Max # of Concurrent Clients (managed)	250	250	250	No
HARDWARE				
# of Ethernet Ports	1	1	1	2
Speed of Ethernet Ports	100/1000/2500 Mbps	100/1000/2500 Mbps	100/1000/2500Mbps	10/100/1000 Mbps
PoE	✓	✓	✓	1x (Must use the included Power Adaptor, 24V)
Antenna Type	Internal	Internal	Internal	Internal
Antenna Gain	Internal 3.8/4.5dBi (2.4GHz/5GHz	Internal 3.8/4.5dBi (2.4GHz/5GHz)	3.1/4.3dBi 2.4GHz/5Ghz	14dBi in 5.0GHz
Additional External Antenna Connectors	No	No	No	No
Plenum		IP55		IP55
Physical Size	160.9 x 160.9 x 33.25 mm	181 x 305 x 34 mm	205.7 x 205.7 x 34.3 mm	100 x 186 x 29 mm
Enclosure Material	Plastic Front/Metal Back	Plastic	Plastic Front/Metal Back	Plastic
Kensington Lock				
Ceiling/Wall Mounting	Wall, Ceiling	Wall, ceiling, and pole mounting	Wall, Ceiling	Wall and pole mounting
Power Consumptions (W) Max		16.1W		8.93W
MANAGEMENT				
Deployment Options	Standalone/Insight	Standalone or Insight managed	Standalone/Insight	Standalone or Insight managed
Business Central Management				
SNMP				
FEATURES				
# of SSIDs	8	8	8	0 in Point-to-Point AirBridge Mode 8 in WiFi AP Mode
WEP				
WPA-PSK/TKIP	✓	✓	✓	✓
WPA2-PSK/AES	✓	✓	✓	✓
WPA3-Personal[SAE]	✓	✓	✓	
802.1X	✓	✓	✓	Supported in WiFi AP Mode
Rogue AP Detection	No	No	No	No
WIDS/WIPS	No	No	No	No
Wireless Distribution Systems (WDS)	✓	✓	✓	✓
Repeater	✓	✓	✓	
Point-to-Point/Multi-Point	✓	✓	✓	✓
Simultaneous Bridge /Client Association	✓	✓	✓	✓
Captive Portal	Yes	Yes	Yes	No
VLANs	✓	✓	✓	✓ (in AP mode)
MAC ACL	✓	✓	✓	Supported in WiFi AP Mode
802.11e/WMM	✓	✓	✓	✓
Rate Limiting	✓	✓	✓	Supported in WiFi AP Mode
Bandwidth Management	✓	✓	✓	
Beamforming	✓	✓	✓	✓
IPv6			✓	✓
Bandsteering	✓	✓	✓	
ORDERING				
Warranty	5 years	5 years		5 years
Product Ordering SKU	WAX610-100NAS WAX610-100EUS WAX610PA-100NAS (power adapter included)	WAX610Y-100NAS WAX610Y-100EUS	WAX620-100NAS WAX620-100EUS WAX620PA-100EUS	WBC502-100NAS WBC502-100EUS
ProSUPPORT Maintenance PKGS OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year	PMB0311-10000S PMB0331-10000S PMB0351-10000S	PMB0311-10000S PMB0331-10000S PMB0351-10000S	PMB0311-10000S PMB0331-10000S PMB0351-10000S	PMB0311 PMB0331 PMB0351

Wireless Access Points

11ac and WiFi 6 Access Points

Tri-Band WiFi System

Outdoor

MODEL	ORBI PRO	ORBI PRO WIFI 6	RBS50Y	SRC60
Product Description	AC3000 Tri-band WiFi System	AX6000 Tri-band WiFi System	Orbi Outdoor Satellite	AC3000 Tri-band WiFi Satellite
Typical Deployment	SMB businesses	SMB business	Outdoor use	SMB Businesses
WIRELESS				
Standard	802.11ac Wave 2	802.11ac Wave 2	802.11 b/g/n/a/ac	801.11ac Wave 2
Dual Band	Tri band	Tri band	Tri band	Tri band
2.4 GHz	✓	✓	✓	✓
5 GHz	✓	✓	✓	✓
TX by Rv	4x4 @5GHz, 2x2 @5GHz, 2x2 @2.4GHz	Two 4x4 (5GHz)	2x2 front haul and 4x4 backhaul	4x4 @5GHz, 2x2 @5GHz, 2x2 @2.4GHz
Throughput per Radio	1,733 + 866 + 400 Mbps, (5, 2.4GHz)	2400 + 2400 + 1200 (5GHz, 5GHz, 2.4GHz)	1,733 + 866 + 300 Mbps, (5, 2.4GHz)	1,733 + 866 + 400 Mbps, (5, 2.4GHz)
Max # of Concurrent Clients (standalone)	40 per node and same for all Orbi Pro	60	40	40
HARDWARE				
# of Ethernet Ports	4	5	0	2
Speed of Ethernet Ports	10/100/1000 Mbps	1 x 1000/2500 Mbps 4 x 10/100/1000 Mbps		10/100/1000 Mbps
PoE				PoE+ (25.5w)
Antenna Type	Six (6) high-performance antennas with high-power amplifiers	Eight (8) high-performance antennas with high-power amplifiers	Six (6) high-performance antennas with high-power amplifiers	Six (6) high-performance antennas with high-power amplifiers
Antenna Gain	3dBi (2.4GHz) 4dBi (5GHz)	3dBi (2.4GHz) 4dBi (5GHz)	3dBi	3dBi (2.4GHz) 4dBi (5GHz)
Physical Size	174 x 85 x 247 mm (6.8 x 3.3 x 9.7 in)	174 x 85 x 247 mm (6.8 x 3.3 x 9.7 in)	8.3 x 2.7 x 10.6 in	10.5 x 9.4 x 1.6in (267 x 239 x 41mm)
Enclosure Material	Plastic	Plastic	Plastic & Metal in the back	Plastic
Kensington Lock				
Ceiling/Wall Mounting	✓	Wall, Ceiling	Wall Mounting	✓
Power Consumptions (W) Max			19.21W	25.5w
MANAGEMENT				
Deployment Options	Standalone/Insight	Standalone/Insight	Standalone/Insight	Standalone/Insight
FEATURES				
# of SSIDs	3	4	3	3
WEP	✓	✓	✓	✓
WPA-PSK/TKIP	✓	✓	✓	✓
WPA2-PSK/AES/ WPA3	✓	✓	✓	✓
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	✓	✓	✓	✓
ORDERING				
Warranty	5 years	5 years	1 year	5 years
Product Ordering SKU	SRK60-100NAS SRS60-100NAS	SXK80-100NAS / SXK80-100AUS SXK80-100JPS / SXK80B3-100NAS SXK80B3-100EUS / SXK80B4-100NAS SXK80B4-100EUS / SXS80-100NAS SXS80-100AUS / SXS80-100JPS	RBS50Y-100NAS	SRC60-100NAS SRC60-100EUS SRC60-100AUS SRC60-100JPS
ProSUPPORT Maintenance PKGS OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year	PMB0311 PMB0331 PMB0351	PMP0312-10000S PMP0332-10000S PMP0352-10000S	PMB0S12 PMB0S32 PMB0S52	PMB0311 PMB0331 PMB0351

Wireless Access Points

WiFi 6 Access Points

Business Essentials WiFi 6 Performance

MODEL	WAX204	WAX214	WAX218
Product Description	WiFi 6 AX1800 Dual Band Wireless Access Point	WiFi 6 AX1800 PoE Access Point	WiFi 6 AX3600 PoE Access Point
Typical Deployment	Small offices, health clinics, small hotels	Micro businesses, health clinics, small hotels	Small businesses, health clinics, work shops
WIRELESS			
Standard	802.11b/g/n/ac/ax	802.11b/g/n/ac/ax	802.11b/g/n/ac/ax
Single Band			
Dual Band	Concurrent	Concurrent	Concurrent
2.4 GHz	✓	✓	✓
5 GHz	✓	✓	✓
TX by Rv	2 x 2	2 x 2	2 x 2
Throughput per Radio	600Mbps @ 2.4GHz 1200Mbps @ 5GHz	600Mbps @ 2.4GHz 1200Mbps @ 5GHz	1200Mbps @ 2.4GHz 2400Mbps @ 5GHz
Max # of Clients	64	128	256
HARDWARE			
# of Ethernet Ports	5	1	1
Speed of Ethernet Ports	1Gbps	1Gbps	2.5Gbps
PoE		✓	✓
Antenna Type	External	Internal	Internal
Antenna Gain	3dBi (2.4GHz) 3dBi (5GHz)	3dBi (2.4GHz) 3dBi (5GHz)	5dBi (2.4GHz) 5dBi (5GHz)
Additional External Antenna Connectors			
Plenum			
Physical Size	9.27 x 7.26 x 2.25in (236 x 184 x 57mm)	6.33 x 6.33 × 1.31 in 160.9 × 160.9 x 33.28 mm	8.11 x 8.11 x 1.37 in 205.73 x 205.73 x 34.75 mm
Form Factor	Desktop	Ceiling/wall-mount	Ceiling/wall-mount
MANAGEMENT			
Administrative Management	Local admin	Local admin	Local admin
FEATURES			
# of SSIDs	3	4	4
WEP	✓	✓	✓
WPA-PSK/TKIP	✓	✓	✓
WPA2-PSK/AES	✓	✓	✓
WPA3-Personal[SAE]	✓	✓	✓
802.1X			
Rogue AP Detection			
WIDS/WIPS	✓	✓	✓
Wireless Distribution Systems (WDS)			
Repeater			
Point-to-Point/Multi-Point			
Simultaneous Bridge /Client Association			
Captive Portal			
VLANs	✓	✓	✓
MAC ACL	✓	✓	✓
802.11e/WMM	✓	✓	✓
Rate Limiting			
Bandwidth Management			
Beamforming			
IPv6			
Bandsteering	✓	✓	✓
ORDERING			
Warranty	3 years	3 years	3 years
Product Ordering SKU	WAX204-100NAS WAX204-100EUS	WAX214-100NAS WAX214PA-100NAS WAX214-100EUS	WAX218-100NAS WAX218PA-100NAS WAX218-100EUS
ProSUPPORT Maintenance PKGS			
OnCall 24x7 1-year	PMB0S12	PMB0S12	PMB0311
OnCall 24x7 3-year	PMB0S32	PMB0S32	PMB0331
OnCall 24x7 5-year	PMB0S52	PMB0S52	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
Description	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
Wireless Mode	IEEE 802.11 a/b/g/n	IEEE 802.11n	IEEE 802.11g	IEEE 802.11 a/b/g/n/ac
Typical Application	Outdoor for wireless client access	Indoor/Outdoor	Any 11n Indoor Access Point	External antenna for 700 series wireless access points
Recommended Access Point	WND930 Outdoor AP	Any 11n Indoor Access Point	WAG302, WG302, WG102, FWG114Pv2, FWG114P, and DG824M	WAC720, WAC730, WAC740
Maximum Outdoor Range	1.6 km (1 mile)	8.5 km (5.28 miles)1	11.5 km (7.2 miles)2	
Frequency Range	2400 - 2500MHz 4900 - 5850MHz	2400 - 2500MHz	2400 - 2485MHz	2.4 to 2.5 GHz and 4.9 to 5.85 GHz
Gain	5dBi (2.4GHz) 7dBi (5GHz)	10dBi3	9dBi3	2.5dBi (2.4 GHz) and 4dBi (5 GHz)
Beam Width	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)
Polarization	Linear; Vertical	Linear; Vertical	Vertical	Linear; Vertical
Operational Temperature	-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
Dimensions	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)
Weight	.2 kg (0.4 lb)	.7 kg (1.54 lb)	.9 kg (2 lb)	0.025 kg (0.055116 lb)
Connectors	N-Plug Male	· Antenna - N Jack Male · Lightening arrestor - N Jack Male to N Jack Male · Extended Cable - N Plug Female	· Antenna - Reverse N female · Lightening arrestor - Reverse N female · Adapter - Reverse SMA	RP SMA-PlugZ (SMA Male Reverse)
Package Contents	· 2 x 2.4GHz omni directional antennas · 2 x 5GHz omni directional antennas · Installation guide	· NETGEAR Indoor/ Outdoor 10dB 2x2 Directional Antenna ANT224D10 · 2 lightning arrestors with 30 cm low-loss cables · 2 reverse N/SMA adapters · Wall mount and pole mounting hardware · Installation Guide and Warranty/ Support card	· Indoor/Outdoor 9dBi Omni-directional · Antenna - ANT2409 (cable required, sold separately) · Wall and pole mount brackets and hanging materials · One reverse N type to reverse SMA adapter · 2 m low-loss antenna cable (connection for lightning arrestor) · Lightning arrestor · Installation guide and Warranty/support card	· 1 x 2.4/5GHz omni directional antenna · Installation guide
Warranty*	2 years			
Ordering Information (all regions)	ANT24501B-10000S	ANT224D10-10000S	ANT2409-20000S	ANT2511AC-10000S

1 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.

2 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.

3 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
Cable Length	1.5m (4.9ft)	5m (16.4ft)	10m (32.8ft)
Maximum Cable Loss with Connectors	1.4dB	3.7dB	7.0dB
Weight	50g (1.76oz)	225g (7.94oz)	440g (15.53oz)
Attenuation	0.21dB/ft maximum or .659dB/m maximum at 2.5GHz		
Operating Temperature	-40° to 75°C (-40° to 167°F)		
Minimum Ben Radius	26 mm (1 in)		
Connectors	Reverse SMA female (both ends)		
Package Size	450 x 280 x .12 mm (17.72 x 11.02 x .004 in)		
Warranty*	2 years		
Ordering Information (all regions)	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.
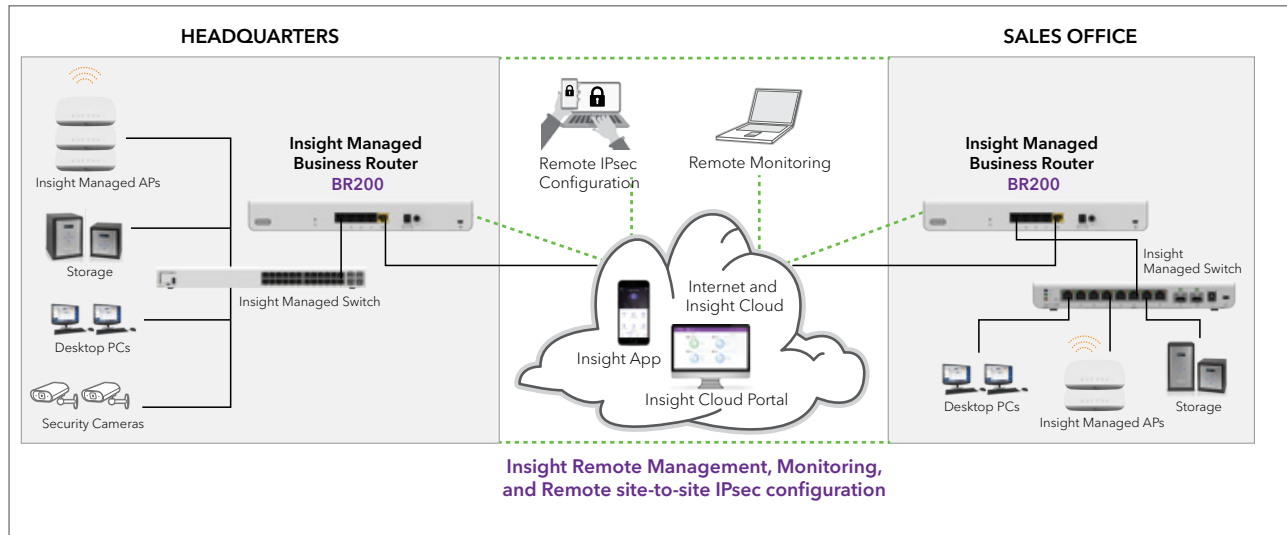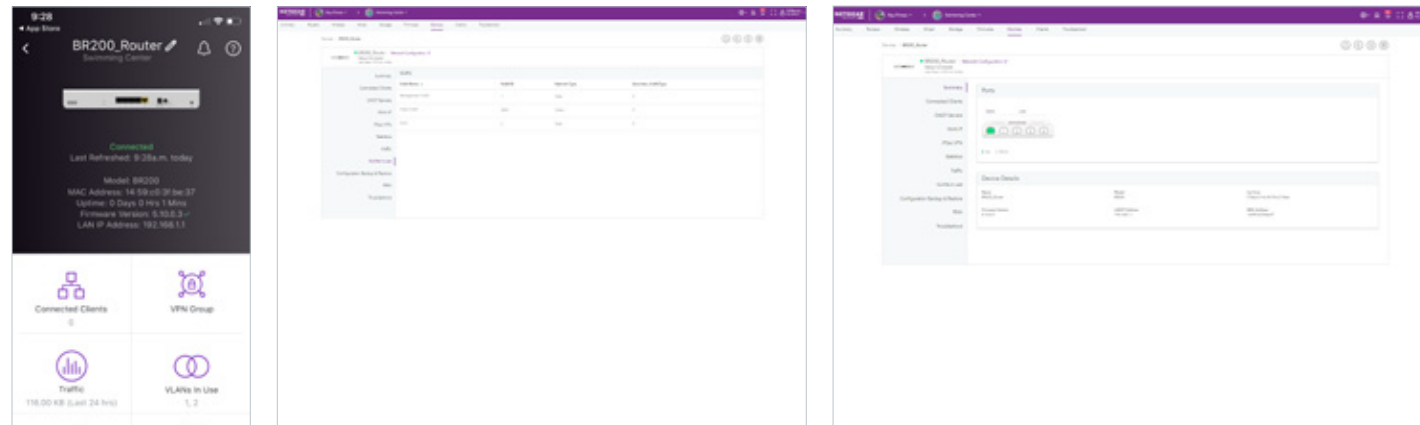
BUSINESS ROUTERS

INSIGHT MANAGED BUSINESS ROUTER

Introducing an affordable security router for SMBs

Site-to-Site VPN

HEADQUARTERS

SALES OFFICE

Insight Managed APs

Insight Managed
Business Router
BR200

Remote IPsec
Configuration

Remote Monitoring

Insight Managed
Business Router
BR200

Insight
Managed Switch

Storage

Insight Managed Switch

Internet and
Insight Cloud

Desktop PCs

Insight App

Security Cameras

Insight Cloud Portal

Desktop PCs

Insight Managed APs

Storage

Insight Remote Management, Monitoring, and Remote site-to-site IPsec configuration

Full monitoring and management through NETGEAR Insight app or Cloud Portal

BUSINESS ROUTERS

MODEL	BR200
Product Description	Insight Managed Business Router
Typical Deployment	High performance small to medium-size businesses
CONNECTIVITY	
Gigabit Ports WAN/LAN	1/4
DMZ Interfaces (Configurable)	1
PERFORMANCE	
LAN-to-WAN Throughput[1]	924 Mbps
Maximum Number of VLANs	256
SECURITY	
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
VoIP SIP ALG	Yes
NETWORKING	
ISP Address Assignment	DHCP, Static IP Assignment, PPPoE, PPTP
NAT Modes	1-1, NAT
Routing	Static, Dynamic, RIPv1, RIPv2
DHCP	DHCP Server (limit is 4), 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
VPN	
IPsec Encryption/Authentication	56-bit DES, 168-bit 3DES, AES(128, 192, 256 bit)/SHA-1, MD5
Key Exchange	IKE, IKEv1, IKEv2, Manual Key, Pre-shared Key, PKI, X.509v3
Access Modes	Insight remote access
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
MANAGEMENT	
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
HARDWARE	
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 Client Device, Internet Explorer/Firefox/Chrome/Safari Web Browser
WARRANTY	
Hardware Warranty*	2 years
Technical Support*	90 days
Next Business Day Replacement	2 years
Professional Configuration and Setup Support (remote)	PSB0304-10000S
ORDERING	
Package Contents	(1) Insight Managed Business Router, (1) Ethernet Cable, (1) Installation Guide, (1) Warranty Card
Product Ordering SKU	North America: BR200-100NAS Europe: BR200-100PES, BR200-100UKS Asia Pacific: BR200-100JPS

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

- 10G connectivity in 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)
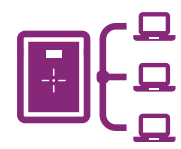
STORAGE

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

ReadyNAS

Desktop

	ReadyNAS 212	ReadyNAS 214	ReadyNAS 424	ReadyNAS 626X	ReadyNAS 628X
Product Description	2-Bay Desktop	4-Bay Desktop	4-Bay Desktop	6-Bay Desktop	8-Bay Desktop
Internal Capacity	20TB	40TB	40TB	60TB	80TB
File Protocols	NFS, CIF/SMB, AFP, HTTP(S), FTP(S), WebDAV	NFS, CIF/SMB, AFP, HTTP(S), FTP(S), WebDAV	NFS, CIF/SMB, AFP, HTTP(S), FTP(S), WebDAV	NFS, CIF/SMB, AFP, HTTP(S), FTP(S), WebDAV	NFS, CIF/SMB, AFP, HTTP(S), FTP(S), WebDAV
Block Protocols	iSCSI	iSCSI	iSCSI	iSCSI	iSCSI
File System	BTRFS	BTRFS	BTRFS	BTRFS	BTRFS
Supported Drive Types	Desktop SATA	Desktop	Desktop/Enterprise SATA	Desktop/Enterprise SATA	Desktop/Enterprise SATA
Gigabit Ethernet Ports	2	2	2	2	2
10G Ethernet Port	0	0	0	2	2
Supports EDA500 Expansion Chassis	No	No	No	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	Hot Swappable Disks Network Failover ECC Memory	Hot Swappable Disks Network Failover ECC Memory
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 Xeon Server Processor D-1521 Quad Core 2.4GHz	Intel Xeon Server Processor D-1521 Quad Core 2.4GHz
Memory	2GB	2GB	2GB DDR4	8GByte DDR4 with ECC	8GByte DDR4 with ECC
RAID Level Supported	RAID 0,1	RAID 0,1,5,6,10	RAID 0,1,5,6,10	RAID 0,1,5,6,10, 50, 60	RAID 0,1,5,6,10, 50, 60
Auto Volume Expansion	XRAID2	XRAID2	XRAID2	XRAID2	XRAID2
Unique Features	Most versatile and secure remote access: · ReadyCLOUD Collaboration, Sync & Backup · ReadyCLOUD automated VPN 5-levels of data protection · XRAID and/or Flex-RAID (model dependent) · Protection of data with performance-neutral snapshots · Protection against silent data corruption ("Bitrot") · Real-time anti-virus · Integrated, web-managed replication to the cloud ReadyDR – Disaster Recovery Solution · Incremental backup to another ReadyNAS · Easy recovery of full data set	Most versatile and secure remote access: · ReadyCLOUD Collaboration, Sync & Backup · ReadyCLOUD automated VPN 5-levels of data protection · XRAID and/or Flex-RAID (model dependent) · Protection of data with performance-neutral snapshots · Protection against silent data corruption ("Bitrot") · Real-time anti-virus · Integrated, web-managed replication to the cloud ReadyDR – Disaster Recovery Solution · Incremental backup to another ReadyNAS · Easy recovery of full data set	Most versatile and secure remote access: · ReadyCLOUD Collaboration, Sync & Backup · ReadyCLOUD automated VPN 5-levels of data protection · XRAID and/or Flex-RAID (model dependent) · Protection of data with performance-neutral snapshots · Protection against silent data corruption ("Bitrot") · Real-time anti-virus · Integrated, web-managed replication to the cloud ReadyDR – Disaster Recovery Solution · Incremental backup to another ReadyNAS · Easy recovery of full data sett	Most versatile and secure remote access: · ReadyCLOUD Collaboration, Sync & Backup · ReadyCLOUD automated VPN · ReadyNAS Backup 5-levels of data protection · XRAID and/or Flex-RAID (model dependent) · Protection of data with performance-neutral snapshots · Protection against silent data corruption ("Bitrot") · Real-time anti-virus · Integrated, web-managed replication to the cloud ReadyDR – Disaster Recovery Solution · Incremental backup to another ReadyNAS · Easy recovery of full data set	Most versatile and secure remote access: · ReadyCLOUD Collaboration, Sync & Backup · ReadyCLOUD automated VPN · ReadyNAS Backup 5-levels of data protection · XRAID and/or Flex-RAID (model dependent) · Protection of data with performance-neutral snapshots · Protection against silent data corruption ("Bitrot") · Real-time anti-virus · Integrated, web-managed replication to the cloud ReadyDR – Disaster Recovery Solution · Incremental backup to another ReadyNAS · Easy recovery of full data set
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	ReadyCLOUD user directory backup Remote & Local Time Machine
VMware Ready	No	No	Yes	Yes	Yes
ReadyDR for Disaster Recovery	No	No	Yes	Yes	Yes
Warranty (System)	3 year standard warranty	3 year standard warranty	5 year standard warranty	5 year standard warranty	5 year standard warranty
Optimal Number of User Support	1 ~ 20	1~20	1~40	40-120	40-120
System SKUs	RN21200 RN21221D RN2122D	RN21400 RN2121D RN21442D	RN42400 RN424D2 RN424D4 RN424D6 RN424E4 RN424E6	RN626X00 RN626XE3 RN626XE4 RN626XE6	RN628X00 RN628XE3 RN628XE4 RN628XE6
ProSUPPORT Maintenance PKGS OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year	PMB0312 PMB0332 PMB0352	PMB0312 PMB0332 PMB0352	PMB0312 PMB0332 PMB0352	PMB0313 PMB0333 PMB0353	PMB0313 PMB0333 PMB0353

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

104

ReadyNAS

Rackmount

	ReadyNAS 2304	ReadyNAS 2312	ReadyNAS 3138	ReadyNAS 3312
Product Description	1U Rackmount, 4-Bays	1U Rackmount, 12-Bays	1U Rackmount, 4-Bays	2U Rackmount, 12-Bays
Total Solution Capacity Internal/with Expansion	40TB / N.A.	120TB/N.A.	40TB/N.A.	120TB/600TB
File Protocols	NFS, CIF/SMB, AFP, HTTP(S), FTP(S), WebDAV	NFS, CIF/SMB, AFP, HTTP(S), FTP(S), WebDAV	NFS, CIF/SMB, AFP, HTTP(S), FTP(S), WebDAV	NFS, CIF/SMB, AFP, HTTP(S), FTP(S), WebDAV
Block Protocols	iSCSI	iSCSI	iSCSI	iSCSI
File System	BTRFS	BTRFS	BTRFS	BTRFS
Supported HDD Types	Desktop/Enterprise SATA	Desktop/Enterprise SATA	Desktop/Enterprise SATA	Enterprise SATA
Gigabit Ethernet Ports	2	4	4	4
10G Ethernet Port	0	0	0	0
Reliability Features	Hot Swappable Disks Network Failover	Hot Swappable Disks Network Failover	Hot Swappable Disks Network Failover	Hot Swappable Disks Network Failover
CPU	Intel Celeron dual core 2.0GHz processor	Intel Atom Quad Core C3538 2.1GHz with QuickAssist	Intel AtomC2558 Dual Core 2.4GHz Quad Core Processor	Intel Xeon E3-1225v5 3.3GHz Quad Core
Memory	2GB DDR3	2GB DDR4	4GB DDR3 ECC	8GB DDR4 ECC
Expandable Memory	0	No	0	64GByte DDR4
RAID Level Supported	RAID 0,1,5,6,10 and XRAID2	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	XRAID3	XRAID2	XRAID2	XRAID2
Unique Features	5 Levels of data protection: · XRAID · Hourly protection of data with performance-neutral snapshots · Protection against silent data corruption("Bitrot") · Real-time anti-virus · Integrated, web-managed replication for disaster recovery and backup to the cloud ReadyDR for disaster recovery Most versatile and secure remote access: · ReadyCLOUD Collaboration, Sync & Backup · ReadyCLOUD automated VPN Performance Storage for backup	5 Levels of data protection: · X RAID · Hourly protection of data with performance-neutral snapshots · Protection against silent data corruption("Bitrot") · Real-time anti-virus · Integrated, web-managed replication for disaster recovery and backup to the cloud ReadyDR for disaster recovery Most versatile and secure remote access: · ReadyCLOUD Collaboration, Sync & Backup · ReadyCLOUD automated VPN Performance Storage for backup	5-levels of data protection · XRAID and/or Flex-RAID (model dependent) · Protection of data with performance-neutral snapshots · Protection against silent data corruption ("Bitrot") · Real-time anti-virus · Integrated, web-managed replication to the cloud ReadyDR for disaster recovery Most versatile and secure remote access: · ReadyCLOUD Collaboration, Sync & Backup · ReadyCLOUD automated VPN High performance Storage for backup Collaboration for work group	5-levels of data protection · XRAID and/or Flex-RAID (model dependent) · Protection of data with performance-neutral snapshots · Protection against silent data corruption ("Bitrot") · Real-time anti-virus · Integrated, web-managed replication to the cloud ReadyDR for disaster recovery Most versatile and secure remote access: · ReadyCLOUD Collaboration, Sync & Backup · ReadyCLOUD automated VPN Superior performance Large internal capacity Optional Highspeed SAS for expansion chassis Storage for backup Collaboration for work group
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
Warranty (System)	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
Optimal Number of User Support	1-30	40-80 Users	1-40	20-120
System SKUs	RR230400 RR230400 RR2304E6	RR2312 RR2312G4 RR2312G6 RR2312H8 RR231200	RN3138 RN31842D RN31842E RN31843D RN31843E RN31844E RN31342E	RR331200 RR3312G2 RR3312G3 RR3312G4 RR3312G6
Support for: EDA 4000 – 24-Bay/EDA 2000 – 12-Bay Expansion	No	No	No	Yes
ProSUPPORT Maintenance PKGS OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year	PMB0312 PMB0332 PMB0352	PMB0313 PMB0333 PMB0352	PMB0313 PMB0333 PMB0352	PMB0314 PMB0334 PMB0354

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

105

ReadyNAS

Rackmount

	ReadyNAS 4312S	ReadyNAS 4312X	ReadyNAS 4360S	ReadyNAS 4360X
Product Description	2U Rackmount, 12-Bays	2U Rackmount, 12-Bays	4U Rackmount, 60-Bays	4U Rackmount, 60-Bays
Total Solution Capacity Internal / with Expansion	120TB/600TB	120TB/600TB	600TB/1.320 PB	600TB/1.320 PB
File Protocols	NFS, CIF/SMB, AFP, HTTP(S), FTP(S), WebDAV	NFS, CIF/SMB, AFP, HTTP(S), FTP(S), WebDAV	NFS, CIF/SMB, AFP, HTTP(S), FTP(S), WebDAV	NFS, CIF/SMB, AFP, HTTP(S), FTP(S), WebDAV
Block Protocols	iSCSI	iSCSI	iSCSI	iSCSI
File System	BTRFS	BTRFS	BTRFS	BTRFS
Supported HDD Types	Enterprise SATA	Enterprise SATA	SAS or SATAIII Enterprise	SAS or SATAIII Enterprise
Gigabit Ethernet Ports	4	4	4	4
10G Ethernet Port	2 (SFP+)	2 (10GBaseT)	2 (SFP+)	2 (10GBaseT)
Reliability Features	Hot Swappable Disks Network Failover	Hot Swappable Disks Network Failover	Hot Swappable Disks Network Failover	Hot Swappable Disks Network Failover
CPU	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
Memory	16GB DDR4 ECC	16GB DDR4 ECC	16GB DDR4 ECC	16GB DDR4 ECC
Expandable Memory	64GByte DDR4	64GByte DDR4	64GByte DDR4	64GByte DDR4
RAID Level Supported	RAID 0,1,5,6,10,50,60*	RAID 0,1,5,6,10,50,60*	RAID 0,1,5,6,10,50,60*	RAID 0,1,5,6,10,50,60*
Auto Volume Expansion	N/A	XRAID2	n/a	n/a
Unique Features	5-levels of data protection · XRAID and/or Flex-RAID (model dependent) · Protection of data with performance neutral snapshots · Protection against silent data corruption ("Bitrot") · Real-time anti-virus · Integrated, web-managed replication to the cloud ReadyDR - Disaster Recovery Solution · Incremental backup to another ReadyNAS · Easy recovery of full data set Most versatile and secure remote access: · ReadyCLOUD Collaboration, Sync & Backup · ReadyCLOUD automated VPN Ultimate performance with 10G fiber module built-in Large internal capacity Highspeed SAS for expansion chassis Storage for backup Collaboration for large work group Optional highspeed SAS for Expansion Chassis	5-levels of data protection · XRAID and/or Flex-RAID (model dependent) · Protection of data with performance-neutral snapshots · Protection against silent data corruption ("Bitrot") · Real-time anti-virus · Integrated, web-managed replication to the cloud ReadyDR - Disaster Recovery Solution · Incremental backup to another ReadyNAS · Easy recovery of full data set Most versatile and secure remote access: · ReadyCLOUD Collaboration, Sync & Backup · ReadyCLOUD automated VPN Ultimate performance with 10G Ethernet module built-in Large internal capacity Highspeed SAS for expansion chassis Storage for backup Collaboration for large work group Optional highspeed SAS for Expansion Chassis	5-levels of data protection · XRAID and/or Flex-RAID (model dependent) · Protection of data with performance-neutral snapshots · Protection against silent data corruption ("Bitrot") · Real-time anti-virus · Integrated, web-managed replication to the cloud ReadyDR - Disaster Recovery Solution · Incremental backup to another ReadyNAS · Easy recovery of full data set Most versatile and secure remote access: · ReadyCLOUD Collaboration, Sync & Backup · ReadyCLOUD automated VPN Ultimate performance with 10G Ethernet module built-in Large internal capacity Highspeed SAS for expansion chassis Storage for backup Collaboration for large work group Optional highspeed SAS for Expansion Chassis	5-levels of data protection · XRAID and/or Flex-RAID (model dependent) · Protection of data with performance-neutral snapshots · Protection against silent data corruption ("Bitrot") · Real-time anti-virus · Integrated, web-managed replication to the cloud ReadyDR - Disaster Recovery Solution · Incremental backup to another ReadyNAS · Easy recovery of full data set Most versatile and secure remote access: · ReadyCLOUD Collaboration, Sync & Backup · ReadyCLOUD automated VPN Ultimate performance with 10GbE Ethernet module built-in Large internal capacity Highspeed SAS for expansion chassis Storage for backup Collaboration for large work group Optional highspeed SAS for Expansion Chassis
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
Warranty (System)	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
Optimal Number of User Support	80-160	80-160	80-160	80-160
System SKUs	RR4312S0 RR4312S3 RR4312S4 RR4312S6	RR4312X0 RR4312X3 RR4312X4 RR4312X6	RR4360S00	RR4360X00
Support for: EDA 4000 – 24-Bay/EDA 2000 – 12-Bay Expansion	Yes	Yes	Yes Expansion HBA included.	Yes Expansion HBA included.
ProSUPPORT Maintenance PKGS OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year	PMB0314 PMB0334 PMB0354	PMB0314 PMB0334 PMB0354	PMB0314 PMB0334 PMB0354	PMB0314 PMB0334 PMB0354

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

MOBILE BROADBAND

4G LTE & 5G MOBILE DEVICES FOR INSTANT CONNECTIVITY ANYWHERE

TRI-BAND MESH WIFI WITH LTE

LTE Internet for entire workspace
Always-on WiFi for Internet failover
Expandable coverage with Orbi AC Satellites

4G LTE AND 5G PORTABLE WIFI

Secure, portable WiFi for working anywhere
WiFi offloading
Connect up to 32 devices

ALWAYS-ON BROADBAND CONNECTION

Fail-safe connectivity solutions
Ideal for remote locations
Easy Installation

SECURITY AND CONNECTIVITY FOR YOUR BUSINESS

4G LTE & 5G Portable WiFi

Nighthawk® Mobile Routers deliver gigabit 4G LTE or 5G speeds, enabling mobile businesses to efficiently operating anywhere, regardless of whether it is at a temporary or permanent location.

- Dedicated hotspot device to connect up to 32 WiFi devices to 4G LTE speeds.
- 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.

LTE Home Office WiFi

Orbi™ 4G LTE Advanced Tri-band Mesh WiFi Router delivers fast internet speeds from the 4G LTE mobile network. Access LTE as your primary Internet connection, or count on LTE as your reliable failover solution.

- Insert a Nano SIM card from your preferred provider. Certified with AT&T, T-Mobile, and Verizon; not compatible with Sprint.
- Maintain business continuity when wired Internet such as fibre, cable or DSL are unavailable or disrupted. Seamlessly switch to LTE.
- NETGEAR Armor™ to guard your business network and connected devices with advanced cyber threat protection.

4G LTE Hotspots

NETGEAR Mobile Hotspots are secure, compact and easy to use, making them the ideal work companions that let you connect up to 32 WiFi devices to the Internet anywhere mobile coverage is available. NETGEAR 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.
- Retail locations with payment processing.
- Temporary offices such as construction sites.
- Enterprise server room.
- WAN port feature will be enabled with future firmware upgrade.
- Certified with AT&T, T-Mobile, and Verizon. Not compatible with Sprint.

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

More Than Just Support – A Business Partnership

NETGEAR's 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.

With an OnCall 24x7 Tech Support contract, customers will have a dedicated ProSUPPORT Hotline to call for high priority service, with a less than four-hour[†] response or call-back time. Technical support requests receive high priority escalations for issue resolution.

Please note that OnCall 24x7 Tech Support contract purchases are **non-refundable**.

Professional Configuration and Setup Assistance

Schedule an appointment for a live consultation by an expert to configure, set up, or re-configure your device.

ZERO COST – INCLUDED WITH HARDWARE PURCHASE[1]	WITH OPTIONAL PROSUPPORT ONCALL 24X7 CONTRACT
Hardware Warranty[1,2] – Varies by product	Hardware Warranty[1,2] – Varies by product
NBD Replacement during Hardware Warranty Period – Select NETGEAR Business Products	NBD Replacement during Hardware Warranty Period – Select NETGEAR Business Products
90-Day 24x7 Free Technical Support[3]	Extended 24x7 Technical Support[3,5]
Support by Email	Support by Email
Support by Chat	Support by Chat
Support by Phone	Support by Phone
24x7 Online Chat Tech Support[3,4] – Select NETGEAR Business Products	24x7 Online Chat Tech Support[3,4] – For length of contract

[†] Except in cases of force majeure events such as war, natural disaster, strike, and other circumstances beyond reasonable control. During local non-business operating hours, English-only speaking personnel may provide the technical support.

[1] NETGEAR SMB products come with a limited warranty that is valid only if purchased from a NETGEAR authorized reseller, and covers unmodified hardware, fans and internal power supplies. Requires product registration within 90 days of purchase; see https://www.netgear.com/about/warranty for details. Void if product has been modified or damaged in any way. Does not apply to software or external power adapters.

[2] Limited Lifetime Hardware Warranty and 24/7 Online Chat Support ends 5 years after product EOL date. Does not cover software. Does not apply to external power adapters.

[3] 24x7 technical support is offered in English only; all other regions follow local business hours.

[4] 24x7 Online Chat Tech Support duration varies by product. For Limited Lifetime Warranty products, online chat support duration ends with latter of hardware warranty or paid ProSUPPORT OnCall 24/7 contract expiration.

[5] Varies according to the duration of the ProSUPPORT contract.

[6] Products that contain multiple units may require separate and potentially different "Category" contracts for each unit. Refer to the specific product datasheet for more details.

NETGEAR ProSUPPORT

ProSUPPORT SKU

Services	ProSUPPORT Category	ProSUPPORT Part Number	Contract
OnCall 24x7	Category S1	PMB0S11-10000S PMB0S31-10000S PMB0S51-10000S	1 year 3 year 5 year
	Category S2	PMB0S12-10000S PMB0S32-10000S PMB0S52-20000S	1 year 3 year 5 year
	Category 1	PMB0311-10000S PMB0331-10000S PMB0351-10000S	1 year 3 year 5 year
	Category 2	PMB0312-10000S PMB0332-10000S PMB0352-10000S	1 year 3 year 5 year
	Category 3	PMB0313-10000S PMB0333-10000S PMB0353-10000S	1 year 3 year 5 year
	Category 4	PMB0314-10000S PMB0334-10000S PMB0354-10000S	1 year 3 year 5 year
Professional Setup and Configuration (Remote)††	N/A	PSB0304-10000S	

†† Initial consultation and follow-up installation and setup appointment (maximum 2-hours total, additional 2-hour increments available for purchase). NETGEAR requests customers allow for up to 48-hours between initial consultation and scheduled setup/configuration call.

Availability by Product

Product Categoryy	Product Family	Hardware Warranty [1,2] (yrs)	90-Days FREE 24x7 Tech Support [3]	Limited Lifetime 24/7 Online Chat Tech Support [3,4,5]	NBD Replacement During HW Warranty Period	Extended ProSUPPORT Category [6]
Unmanaged Essentials Switches	FS205	1 yr	Y	N	N	Category S1
	FS208	1 yr	Y	N	N	Category S1
	GS205	1 yr	Y	N	N	Category S1
	GS208	1 yr	Y	N	N	Category S1
	GS605	2 yr	Y	N	N	Category S1
	GS608	2 yr	Y	N	N	Category S1
Unmanaged SOHO Switches	GS305	3 yr	Y	N	N	Category S1
	GS305P	3 yr	Y	N	N	Category S1
	GS305PP	3 yr	Y	N	N	Category S1
	GS308	3 yr	Y	N	N	Category S1
	GS308	3 yr	Y	N	N	Category S1
	GS308P	3 yr	Y	N	N	Category S1
	GS308PP	3 yr	Y	N	N	Category S1
	GS316	3 yr	Y	N	N	Category S2
	GS316P	3 yr	Y	N	N	Category S2
	GS316PP	3 yr	Y	N	N	Category S2

NETGEAR ProSUPPORT

Availability by Product (continued)

Product Category	Product Family	Hardware Warranty [1,2] (yrs)	90-Days FREE 24x7 Tech Support [3]	Limited Lifetime 24/7 Online Chat Tech Support [3,4,5]	NBD Replacement During HW Warranty Period	Extended ProSUPPORT Category [6]
Unmanaged SOHO Switches	GS324	3 yr	Y	N	N	Category S2
	GS324P	3 yr	Y	N	N	Category 2
	GS324PP	3 yr	Y	N	N	Category 2
	GS348	3 yr	Y	N	N	Category S2
	GS348PP	3 yr	Y	N	N	Category 2
Unmanaged Business Switches	FS108	Limited Lifetime[1]	Y	Y	Y	Category S1
	JFS524	Limited Lifetime[1]	Y	Y	Y	Category S2
	GS105	Limited Lifetime[1]	Y	Y	Y	Category S1
	GS108	Limited Lifetime[1]	Y	Y	Y	Category S1
	GS116	Limited Lifetime[1]	Y	Y	Y	Category S2
	GS108LP	Limited Lifetime[1]	Y	Y	Y	Category S2
	GS108PP	Limited Lifetime[1]	Y	Y	Y	Category S2
	GS116LP	Limited Lifetime[1]	Y	Y	Y	Category S2
	GS116PP	Limited Lifetime[1]	Y	Y	Y	Category S2
	JGS516	Limited Lifetime[1]	Y	Y	Y	Category S2
	GS516PP	Limited Lifetime[1]	Y	Y	Y	Category 1
	GS516UP	Limited Lifetime[1]	Y	Y	Y	Category 1
	JGS524	Limited Lifetime[1]	Y	Y	Y	Category S2
	GS524PP	Limited Lifetime[1]	Y	Y	Y	Category 1
	GS524UP	Limited Lifetime[1]	Y	Y	Y	Category 1
	GS110MX	Limited Lifetime[1]	Y	Y	Y	Category S2
	XS505M	Limited Lifetime[1]	Y	Y	Y	Category 3
	XS508M	Limited Lifetime[1]	Y	Y	Y	Category 3
Plus SOHO Switches	GS305E	3 yr	Y	Y	Y	Category S1
	GS308E	3 yr	Y	Y	Y	Category S1
	GS305EP	5 yr	Y	Y	N	Category S1
	GS305EPP	5 yr	Y	Y	N	Category S1
	GS308EP	5 yr	Y	Y	N	Category S1
	GS308EPP	5 yr	Y	Y	N	Category S1
	GS316EP	5 yr	Y	Y	N	Category S1
	GS316EPP	5 yr	Y	Y	N	Category S1

NETGEAR ProSUPPORT

Availability by Product (continued)

Product Category	Product Family	Hardware Warranty [1,2] (yrs)	90-Days FREE 24x7 Tech Support [33]	Limited Lifetime 24/7 Online Chat Tech Support [3,4,5]	NBD Replacement During HW Warranty Period	Extended ProSUPPORT Category [6]
Plus Switches	GS105E	Limited Lifetime[1]	Y	Y	Y	Category S1
	GS105PE	Limited Lifetime[1]	Y	Y	Y	Category S1
	GS108E	Limited Lifetime[1]	Y	Y	Y	Category S1
	GS108PE	Limited Lifetime[1]	Y	Y	Y	Category S1
	GS110EMX	Limited Lifetime[1]	Y	Y	Y	Category 1
	GS116E	Limited Lifetime[1]	Y	Y	Y	Category S2
	GS750E	Limited Lifetime[1]	Y	Y	Y	Category 1
	JGS516PE	Limited Lifetime[1]	Y	Y	Y	Category S2
	JGS524E	Limited Lifetime[1]	Y	Y	Y	Category S2
	JGS524PE	Limited Lifetime[1]	Y	Y	Y	Category S2
	XS708E	Limited Lifetime[1]	Y	Y	Y	Category S1
	XS716E	Limited Lifetime[1]	Y	Y	Y	Category S2
	XS512EM	Limited Lifetime[1]	Y	Y	Y	Category S2
	XS724EM	Limited Lifetime[1]	Y	Y	Y	Category S2
Smart SOHO Switches	GS308T	5 yr	Y	N	Y	Category S1
	GS310TP	5 yr	Y	N	Y	Category S2
	GS324T	5 yr	Y	N	Y	Category S2
	GS324TP	5 yr	Y	N	Y	Category 1
	GS348T	5 yr	Y	N	Y	Category 1
Smart Switches	FS728TP	Limited Lifetime[1]	Y	Y	Y	Category 1
	GS108T	Limited Lifetime[1]	Y	Y	Y	Category S1
	GS110TP	Limited Lifetime[1]	Y	Y	Y	Category S2
	GS510TLP	Limited Lifetime[1]	Y	Y	Y	Category S2
	GS510TP	Limited Lifetime[1]	Y	Y	Y	Category 1

NETGEAR ProSUPPORT

Availability by Product (continued)

Product Category	Product Family	Hardware Warranty [1,2] (yrs)	90-Days FREE 24x7 Tech Support [3]	Limited Lifetime 24/7 Online Chat Tech Support [3,4,5]	NBD Replacement During HW Warranty Period	Extended ProSUPPORT Category [6]
Smart Switches	GS510TPP	Limited Lifetime[1]	Y	Y	Y	Category 1
	GS516TP	Limited Lifetime[1]	Y	Y	Y	Category 1
	GS716T	Limited Lifetime[1]	Y	Y	Y	Category 1
	GS724T	Limited Lifetime[1]	Y	Y	Y	Category 1
	GS748T	Limited Lifetime[1]	Y	Y	Y	Category 1
	MS510TX	Limited Lifetime[1]	Y	Y	Y	Category 2
	MS510TXPP	Limited Lifetime[1]	Y	Y	Y	Category 2
	XS708T	Limited Lifetime[1]	Y	Y	Y	Category 1
	XS712T	Limited Lifetime[1]	Y	Y	Y	Category 2
	XS716T	Limited Lifetime[1]	Y	Y	Y	Category 2
	XS728T	Limited Lifetime[1]	Y	Y	Y	Category 3
	XS748T	Limited Lifetime[1]	Y	Y	Y	Category 4
Smart Switches with optional Insight Remote/ Cloud Management	GS110TPP	Limited Lifetime[1]	Y	Y	Y	Category 1
	GS110TUP	Limited Lifetime[1]	Y	Y	Y	Category 1
	GS710TUP	Limited Lifetime[1]	Y	Y	Y	Category 1
	GS716TP	Limited Lifetime[1]	Y	Y	Y	Category 1
	GS716TPP	Limited Lifetime[1]	Y	Y	Y	Category 1
	GS724TP	Limited Lifetime[1]	Y	Y	Y	Category 1
	GS724TPP	Limited Lifetime[1]	Y	Y	Y	Category 1
	GS728TP	Limited Lifetime[1]	Y	Y	Y	Category 1
	GS728TPP	Limited Lifetime[1]	Y	Y	Y	Category 1
	GS752TP	Limited Lifetime[1]	Y	Y	Y	Category 2
	GS752TPP	Limited Lifetime[1]	Y	Y	Y	Category 2
	MS510TXM	Limited Lifetime[1]	Y	Y	Y	Category 1
	MS510TXUP	Limited Lifetime[1]	Y	Y	Y	Category 1
Stackable Smart Switch Bundles	GS752TSB	Limited Lifetime[1]	Y	Y	Y	Category 2
	GS752TPSB	Limited Lifetime[1]	Y	Y	Y	Category 2
Stackable Smart Switches	GS728TX	Limited Lifetime[1]	Y	Y	Y	Category 2
	GS728TXP	Limited Lifetime[1]	Y	Y	Y	Category 2
	GS752TX	Limited Lifetime[1]	Y	Y	Y	Category 2
	GS752TXP	Limited Lifetime[1]	Y	Y	Y	Category 3

NETGEAR ProSUPPORT

Availability by Product (continued)

Product Category	Product Family	Hardware Warranty [1,2] (yrs)	90-Days FREE 24x7 Tech Support [3]	Limited Lifetime 24/7 Online Chat Tech Support [3,4,5]	NBD Replacement During HW Warranty Period	Extended ProSUPPORT Category [6]
Insight Managed Smart Cloud Switches	GC108P	5 Yr	Y	N	Y	Category S2
	GC108PP	5 Yr	Y	N	Y	Category S2
	GC510P	5 Yr	Y	N	Y	Category S2
	GC510PP	5 Yr	Y	N	Y	Category S2
	GC728X	5 Yr	Y	N	Y	Category 1
	GC728XP	5 Yr	Y	N	Y	Category 1
	GC752X	5 Yr	Y	N	Y	Category 2
	GC752XP	5 Yr	Y	N	Y	Category 2
Fully Managed Switches	GSM5212	Limited Lifetime[1]	Y	Y	Y	Category 2
	GSM7212F	Limited Lifetime[1]	Y	Y	Y	Category 2
	GSM7224	Limited Lifetime[1]	Y	Y	Y	Category 2
	GSM7224P	Limited Lifetime[1]	Y	Y	Y	Category 2
	GSM7226LP	Limited Lifetime[1]	Y	Y	Y	Category 2
	GSM7248	Limited Lifetime[1]	Y	Y	Y	Category 3
	GSM7248P	Limited Lifetime[1]	Y	Y	Y	Category 3
	GSM4212P	Limited Lifetime[1]	Y	Y	Y	Category 2
	GSM4212PX	Limited Lifetime[1]	Y	Y	Y	Category 2
	GSM4212UX	Limited Lifetime[1]	Y	Y	Y	Category 2
	MSM4214X	Limited Lifetime[1]	Y	Y	Y	Category 2
	XSM4216F	Limited Lifetime[1]	Y	Y	Y	Category 2
	GSM4210P	Limited Lifetime[1]	Y	Y	Y	Category 2
	GSM4328PA	Limited Lifetime[1]	Y	Y	Y	Category 3
	GSM4328PB	Limited Lifetime[1]	Y	Y	Y	Category 3
	GSM4328S	Limited Lifetime[1]	Y	Y	Y	Category 3
	GSM4352PA	Limited Lifetime[1]	Y	Y	Y	Category 3
	GSM4352PB	Limited Lifetime[1]	Y	Y	Y	Category 3
	GSM4352S	Limited Lifetime[1]	Y	Y	Y	Category 3
	XSM4316PA	Limited Lifetime[1]	Y	Y	Y	Category 3
	XSM4316PB	Limited Lifetime[1]	Y	Y	Y	Category 3
	XSM4316S	Limited Lifetime[1]	Y	Y	Y	Category 3
	XSM4324CS	Limited Lifetime[1]	Y	Y	Y	Category 4
	XSM4324FS	Limited Lifetime[1]	Y	Y	Y	Category 4
	XSM4324S	Limited Lifetime[1]	Y	Y	Y	Category 4
	XSM4348CS	Limited Lifetime[1]	Y	Y	Y	Category 4

NETGEAR ProSUPPORT

Availability by Product (continued)

Product Category	Product Family	Hardware Warranty [1,2] (yrs)	90-Days FREE 24x7 Tech Support [3]	Limited Lifetime 24/7 Online Chat Tech Support [3,4,5]	NBD Replacement During HW Warranty Period	Extended ProSUPPORT Category [6]
Fully Managed Switches	XSM4348FS	Limited Lifetime[1]	Y	Y	Y	Category 4
	XSM4348S	Limited Lifetime[1]	Y	Y	Y	Category 4
	XSM4396K0	Limited Lifetime[1]	Y	Y	Y	Category 4
	XSM4396K1	Limited Lifetime[1]	Y	Y	Y	Category 4
	CSM4532	Limited Lifetime[1]	Y	Y	Y	Category 4
	XSM4556	Limited Lifetime[1]	Y	Y	Y	Category 4
	GSM7328FS	Limited Lifetime[1]	Y	Y	Y	Category 3
Fully Managed Switch Chassis and Modules	XCM8903SK	Limited Lifetime[1]	Y	Y	Y	Category 4
	XCM8903SX	Limited Lifetime[1]	Y	Y	Y	Category 4
	XCM8903SF	Limited Lifetime[1]	Y	Y	Y	Category 4
Wireless 802.11ac Access Points	WAC104	3 Yr	Y	N	N	Category S1
	WAC124	3 Yr	Y	N	N	Category S1
	WAC510	5 Yr	Y	N	Y	Category S2
	WAC510PA	5 Yr	Y	N	Y	Category S2
	WAC510B03	5 Yr	Y	N	Y	Category S2
	WAC510P8	5 yr	Y	N	Y	Category 1
	WAC540	5 yr	Y	N	Y	Category 1
	WAC540B03	5 Yr	Y	N	Y	Category 1
	WAC540PA	5 Yr	Y	N	Y	Category 1
	WAC720	Limited Lifetime[1]	Y	Y	Y	Category 1
	WAC720B03	Limited Lifetime[1]	Y	Y	Y	Category 1
	WAC730	Limited Lifetime[1]	Y	Y	Y	Category 1
	WAC730B03	Limited Lifetime[1]	Y	Y	Y	Category 1
	WAC740	Limited Lifetime[1]	Y	Y	Y	Category 1
	WBC502	5 Yr	Y	N	Y	Category 1
	WBC502B2	5 Yr	Y	N	Y	Category 1
Wireless 802.11ax Access Points	WAX610	5 Yr	Y	N	Y	Category 1
	WAX610PA	5 Yr	Y	N	Y	Category 1
	WAX610Y	5 Yr	Y	N	Y	Category 1
Wireless 802.11n Access Points	WN370	Limited Lifetime[1]	Y	Y	Y	Category 1
	WND930	Limited Lifetime[1]	Y	Y	Y	Category 2

NETGEAR ProSUPPORT

Availability by Product (continued)

Product Category	Product Family	Hardware Warranty [1,2] (yrs)	90-Days FREE 24x7 Tech Support [3]	Limited Lifetime 24/7 Online Chat Tech Support [3,4,5]	NBD Replacement During HW Warranty Period	Extended ProSUPPORT Category [6]
Wireless 802.11ax Access Points	WAX214	3 Yr	Y	N	N	Category S2
	WAX214PA	3 Yr	Y	N	N	Category S2
	WAX218	3 Yr	Y	N	N	Category 1
	WAX218PA	3 Yr	Y	N	N	Category 1
	WAX610	5 Yr	Y	Y	Y	Category 1
	WAX610PA	5 Yr	Y	Y	Y	Category 1
	WAX610Y	5 Yr	Y	Y	Y	Category 1
	WAX620	5 Yr	Y	N	Y	Category 1
	WAX620PA	5 Yr	Y	N	Y	Category 1
Wireless Management Bundles	WB7520	Limited Lifetime[1]	Y	Y	Y	Category 3
	WB7530	Limited Lifetime[1]	Y	Y	Y	Category 3
	WB7620	Limited Lifetime[1]	Y	Y	Y	Category 4
Wireless Management Systems	WC7500	Limited Lifetime[1]	Y	Y	Y	Category 3
	WC7600	Limited Lifetime[1]	Y	Y	Y	Category 3
	WC9500	Limited Lifetime[1]	Y	Y	Y	Category 4
WiFi Systems - Orbi Pro	SRK60	5 Yr	Y	N	Y	Category 1
	SRK60B03	5 Yr	Y	N	Y	Category 1
	SRK60B04	5 Yr	Y	N	Y	Category 1
	SRK60B05	5 Yr	Y	N	Y	Category 1
	SRK60B06	5 Yr	Y	N	Y	Category 1
	SRR60	5 Yr	Y	N	Y	Category 1
	SRS60	5 Yr	Y	N	Y	Category 1
	SRC60	5 Yr	Y	N	Y	Category 1
	SXK80	5 Yr	Y	N	Y	Category 2
	SXK80B3	5 Yr	Y	N	Y	Category 2
	SXK80B4	5 Yr	Y	N	Y	Category 2
	SXS80	5 Yr	Y	N	Y	Category 2
WiFi Systems - Orbi Pro	SRK60	5 Yr	Y	N	Y	Category 1
	SRK60B03	5 Yr	Y	N	Y	Category 1
	SRK60B04	5 Yr	Y	N	Y	Category 1
	SRK60B05	5 Yr	Y	N	Y	Category 1
	SRK60B06	5 Yr	Y	N	Y	Category 1
	SRR60	5 Yr	Y	N	Y	Category 1

NETGEAR ProSUPPORT

Availability by Product (continued)

Product Category	Product Family	Hardware Warranty [1,2] (yrs)	90-Days FREE 24x7 Tech Support [3]	Limited Lifetime 24/7 Online Chat Tech Support [3,4,5]	NBD Replacement During HW Warranty Period	Extended ProSUPPORT Category [6]
WiFi Systems - Orbi Pro	SRS60	5 Yr	Y	N	Y	Category 1
	SRC60	5 Yr	Y	N	Y	Category 1
	SXK80	5 Yr	Y	N	Y	Category 2
	SXK80B3	5 Yr	Y	N	Y	Category 2
	SXK80B4	5 Yr	Y	N	Y	Category 2
	SXS80	5 Yr	Y	N	Y	Category 2
ReadyNAS Desktop RN210 Series	RN21200	3 Yr	Y	N	Y	Category 1
	RN212D22	3 Yr	Y	N	Y	Category 1
	RN21400	3 Yr	Y	N	Y	Category 2
	RN214D42	3 Yr	Y	N	Y	Category 2
ReadyNAS Desktop RN420 Series	RN42200	5 Yr	Y	N	Y	Category 2
	RN422D2	5 Yr	Y	N	Y	Category 2
	RN422D4	5 Yr	Y	N	Y	Category 2
	RN422D6	5 Yr	Y	N	Y	Category 2
	RN422E2	5 Yr	Y	N	Y	Category 2
	RN422E4	5 Yr	Y	N	Y	Category 2
	RN422E6	5 Yr	Y	N	Y	Category 2
	RN42400	5 Yr	Y	N	Y	Category 2
	RN424D2	5 Yr	Y	N	Y	Category 2
	RN424D4	5 Yr	Y	N	Y	Category 2
	RN424D6	5 Yr	Y	N	Y	Category 2
	RN424E2	5 Yr	Y	N	Y	Category 2
	RN424E4	5 Yr	Y	N	Y	Category 2
	RN424E6	5 Yr	Y	N	Y	Category 2
ReadyNAS Desktop RN620X Series	RN626X00	5 Yr	Y	N	Y	Category 3
	RN626XE4	5 Yr	Y	N	Y	Category 3
	RN626XE6	5 Yr	Y	N	Y	Category 3

NETGEAR ProSUPPORT

Availability by Product (continued)

Product Category	Product Family	Hardware Warranty [1,2] (yrs)	90-Days FREE 24x7 Tech Support [3]	Limited Lifetime 24/7 Online Chat Tech Support [3,4,5]	NBD Replacement During HW Warranty Period	Extended ProSUPPORT Category [6]
ReadyNAS Rackmount RR2300 Series	RR230400	5 Yr	Y	N	Y	Category 2
	RR2304G2	5 Yr	Y	N	Y	Category 2
	RR2304G4	5 Yr	Y	N	Y	Category 2
	RR2304G6	5 Yr	Y	N	Y	Category 2
	RR231200	5 Yr	Y	N	Y	Category 3
	RR331200	5 Yr	Y	N	Y	Category 4
	RR2312G4	5 Yr	Y	N	Y	Category 3
	RR3312G4	5 Yr	Y	N	Y	Category 4
	RR2312G6	5 Yr	Y	N	Y	Category 3
	RR3312G6	5 Yr	Y	N	Y	Category 4
	RR2312G8	5 Yr	Y	N	Y	Category 3
	RR2312H8	5 Yr	Y	N	Y	Category 3
ReadyNAS Rackmount RN3100 Series	RN3138	5 Yr	Y	N	Y	Category 3
	RN31842E	5 Yr	Y	N	Y	Category 3
	RN31844E	5 Yr	Y	N	Y	Category 3
ReadyNAS Rackmount RR3300 Series	RR3312G2	5 Yr	Y	N	Y	Category 4
	RR3312G4	5 Yr	Y	N	Y	Category 4
	RR3312G6	5 Yr	Y	N	Y	Category 4
	RR331200	5 Yr	Y	N	Y	Category 4
ReadyNAS Rackmount RR4300 Series	RR4312S0	5 Yr	Y	N	Y	Category 4
	RR4312S0	5 Yr	Y	N	Y	Category 4
	RR4312S4	5 Yr	Y	N	Y	Category 4
	RR4312S4	5 Yr	Y	N	Y	Category 4
	RR4312S6	5 Yr	Y	N	Y	Category 4
	RR4312S8	5 Yr	Y	N	Y	Category 4
	RR4312X0	5 Yr	Y	N	Y	Category 4
	RR4312X0	5 Yr	Y	N	Y	Category 4
	RR4312X4	5 Yr	Y	N	Y	Category 4
	RR4312X4	5 Yr	Y	N	Y	Category 4
	RR4312X6	5 Yr	Y	N	Y	Category 4
	RR4312X8	5 Yr	Y	N	Y	Category 4
ReadyNAS Rackmount RR4300 Series	RR4360X0	5 Yr	Y	N	Y	Category 4
	RR4360S0	5 Yr	Y	N	Y	Category 4

CONNECTED HOME PRODUCTS

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 802.11ax WiFi speeds
High-end processors for optimized performance
Feature-rich products with technologies such as Dynamic QoS, Beamforming+, FastLane, VPN, OFDMA, and Smart Connect
Gigabit and Multi-Gig 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:
NETGEAR Armor™ Powered by Bitdefender®
ReadySHARE USB
NETGEAR Smart Parental Controls
Voice Control using Amazon Alexa and the Google Assistant

Learn more: www.netgear.com/nighthawk

ORBI™ WHOLE HOME MESH WIFI SYSTEMS
Enjoy faster, stronger, smarter WiFi for your entire home. Better WiFi. Everywhere.

Orbi™ WiFi 6 Systems are built with the latest and fastest WiFi 6 technology to provide the ultimate smart home experience with WiFi coverage and connection capacity beyond belief. Keep ALL WiFi connections strong, in every room, all the time with enough bandwidth for all your devices, multiple 4K/8K UHD streaming, music for your WiFi connected speakers, online games, smart lights, WiFi security devices and more. Dedicated quad-stream WiFi 6 backhaul allows for streaming 4K or 8K videos without delay.

These systems are ideal for Gigabit and multi-gigabit Internet speed service, supporting up to 2.5Gbps download speeds. Our Orbi WiFi 6 lineup has options with and without a built-in DOCSIS 3.1 Cable Model, and all our products are supported by NETGEAR Armor™ delivering advanced cyber threat protection for your home and all your devices, making your Orbi WiFi home network smart and even more secure.

Learn more: www.netgear.com/orbi

AWARD-WINNING HOME NETWORKING PRODUCTS

NETGEAR M5 5G WiFi 6 Mobile Router

NETGEAR Mobile Routers elevate the secure mobile WiFi experience for your business and your teams. The NETGEAR® Nighthawk® M5 Mobile Router brings WiFi 6 together with 5G, combining the latest WiFi and cellular technologies to deliver blazing fast 5G or LTE speeds to all your connected devices.

Fast speed for downloading, streaming and media sharing - everything you do at the office, can now be done virtually anywhere you go.

Learn more: netgear.com/home/products/ mobile-broadband/mobilerouters/MR5200.aspx

Cable Modem Routers

Experience a new generation of WiFi 6 router with a built-in DOCSIS® 3.1 cable modem that delivers blazing-fast Multi-Gigabit Internet. With link aggregation, 2.5Gbps Ethernet port, and 4 times the capacity to handle more WiFi devices, the Nighthawk® Multi-Gigabit speed Cable Modem router delivers a truly next level experience without limitations.

Learn more: netgear.com/home/products/ networking/cable-modems-routers/cax80.aspx

NIGHTHAWK® WiFi ROUTERS
Leading the New Era of WiFi

Nighthawk® RAXE500 Tri-Band WiFi Router

NETGEAR® Nighthawk® Tri-band RAXE500 WiFi Router uses the latest WiFi 6E technology to provide faster speeds and less congestion with up to 200% more spectrum than dual-band. Now you can enjoy blazing-fast speed, smoother streaming, and lower latency when using high-bandwidth applications like 4K/8K video streaming and AR/VR gaming. This router keeps up with everything you do in your hyper-connected home.

Learn more: netgear.com/home/wifi/routers/raxe500/

Nighthawk® AX12 12-Stream WiFi 6 Router

The NETGEAR Nighthawk AX12 12-Stream WiFi 6 Router (RAX120) supports Wi-Fi 6 (802.11ax) the latest Wi-Fi 6 technology helps deliver the fastest speeds to all your connected device of today and tomorrow with 4x more capacity, and 100% backwards compatible.

Learn more: netgear.com/AXWiFi

Nighthawk® AX4 4G LTE Modem + WiFi 6 Router

Maximize your speeds in your home office or business premises where cable, DSL or fiber Internet are limited or unavailable. Plug in an active SIM card from your service provider and instantly access the LTE network for your laptop, payment processing system or any device. Also works with any WiFi router or system.

Learn more: netgear.com/home/mobile-wifi/routers/lax20/

NIGHTHAWK® WIFI 6 MESH SYSTEM
Advanced Whole Home WiFi

Nighthawk® Tri-Band Mesh WiFi 6 System (MK83)

Powerful mesh WiFi for every room in your medium-sized automated smart home, up to 4,500 / 6,750 square feet, with the Nighthawk® Tri-band Mesh WiFi 6 System..

Learn more: netgear.com/home/wifi/mesh/mk83/

Nighthawk® Mesh WiFi 6 System (MK63S)

Enjoy advanced whole home WiFi designed to deliver smooth video streaming and fast online gaming to more devices at the same time. Using the latest WiFi 6 technology, it's ideal for medium to large homes up to 4,500 sq.ft. and internet speeds over 100Mbps. Comes with a 90-day free NETGEAR Armor subscription**

Learn more: netgear.com/home/wifi/mesh/mk63s/

** NETGEAR Armor requires a paid subscription after the initial introductory period.