NETGEAR®
BUSINESS

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22 - 4

NETGEAR®
BUSINESS

Product Catalog

Comprehensive networking solutions serving the needs of small and medium businesses

VOLUME 22 - 4

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

2021   Easiest and most affordable WiFi 6 Access Points
       with the Business Essentials line

2022 First Tri-Band WiFi 6E Access Point Targeting Small
       and Medium Businesses

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, 26 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.

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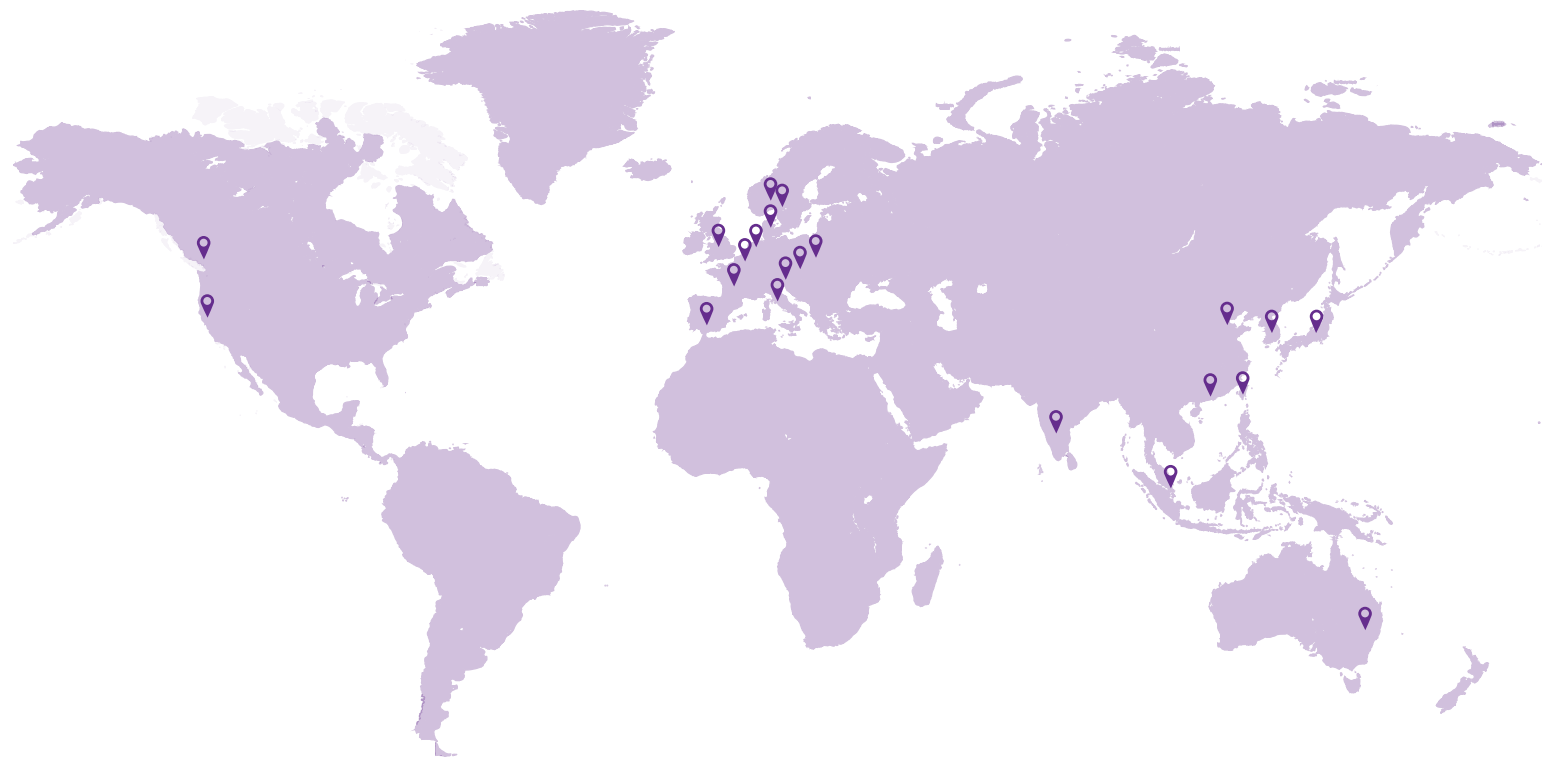
NETGEAR GLOBAL OFFICES

NORTH AMERICA

AUSTRALIA

BELGUIM

CANADA

CHINA - BEIJING

CHINA - GUANGZHOU

DENMARK

FRANCE

GERMANY

HONG KONG

INDIA

IRELAND

ITALY

JAPAN

KOREA

NETHERLANDS

POLAND

SINGAPORE

SWITZERLAND

SPAIN

SWEDEN

TAIWAN

UK

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.

Switches Engineered for Pro AV.

NETGEAR Pro AV switches are designed for the unique needs of sending audio, video, and control signals across an Ethernet network. Our Pro AV-focused switches are engineered with the features and industrial design required for successful AV over IP deployments. A range of sizes and PoE power provide the right switch for the right application.

See your network in a whole new way.

NETGEAR Insight 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

INTERNET

Insight Cloud Management

Wireless LAN

Wired LAN

Orbi Pro Satellite

Orbi Pro WiFi 6

FastLane3 Dedicated Wireless Backhaul

Smart Switch with Optional Cloud Management (PoE+)

PoE IP Surveillance Camera
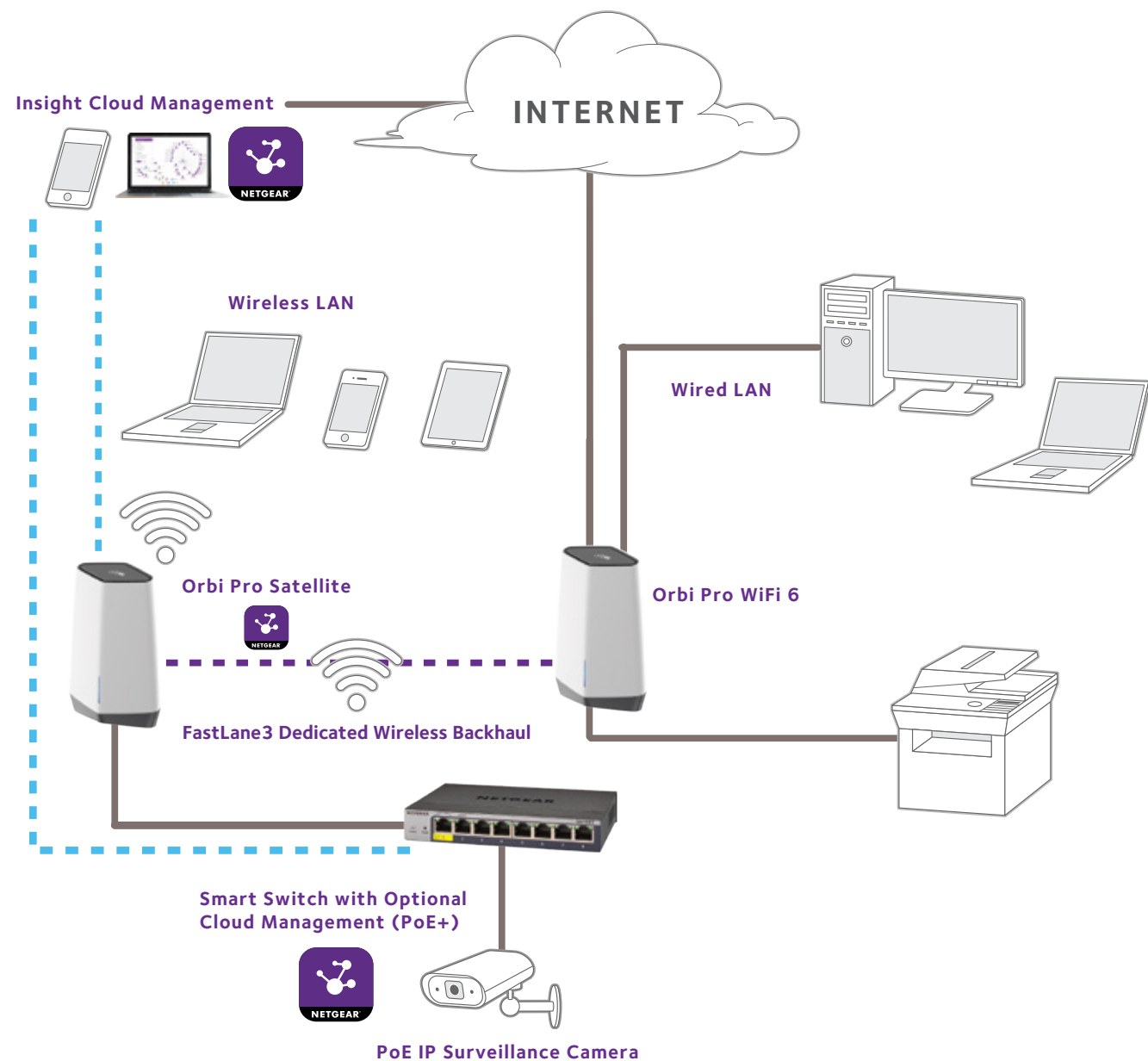
NETWORK SOLUTION FOR WORKING FROM HOME AND SMALL OFFICE 1-5 USERS

Connection Setup

Physical Connection

INTERNET

Router

Wireless LAN

Wired LAN

Access point
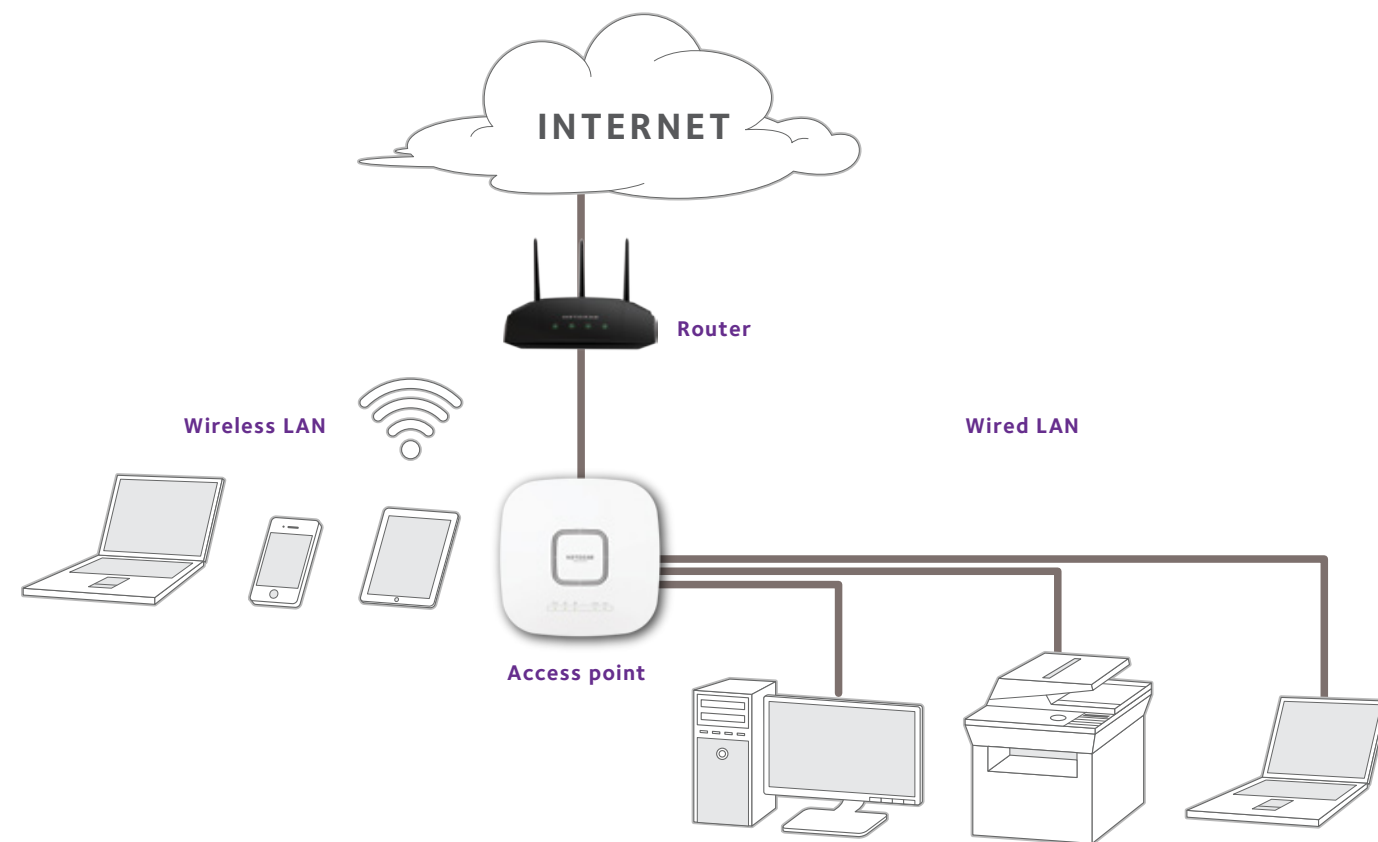
WIRED SOLUTION
INSIGHT, 5-150 USERS

Connection Setup

Physical Connection

Management Connection

Insight Cloud Management

NETGEAR

INTERNET

Firewall

10G Smart Switch

Smart Switch with Optional
Cloud Management (PoE+)

PoE Powered Devices

PoE

Wireless Access Point
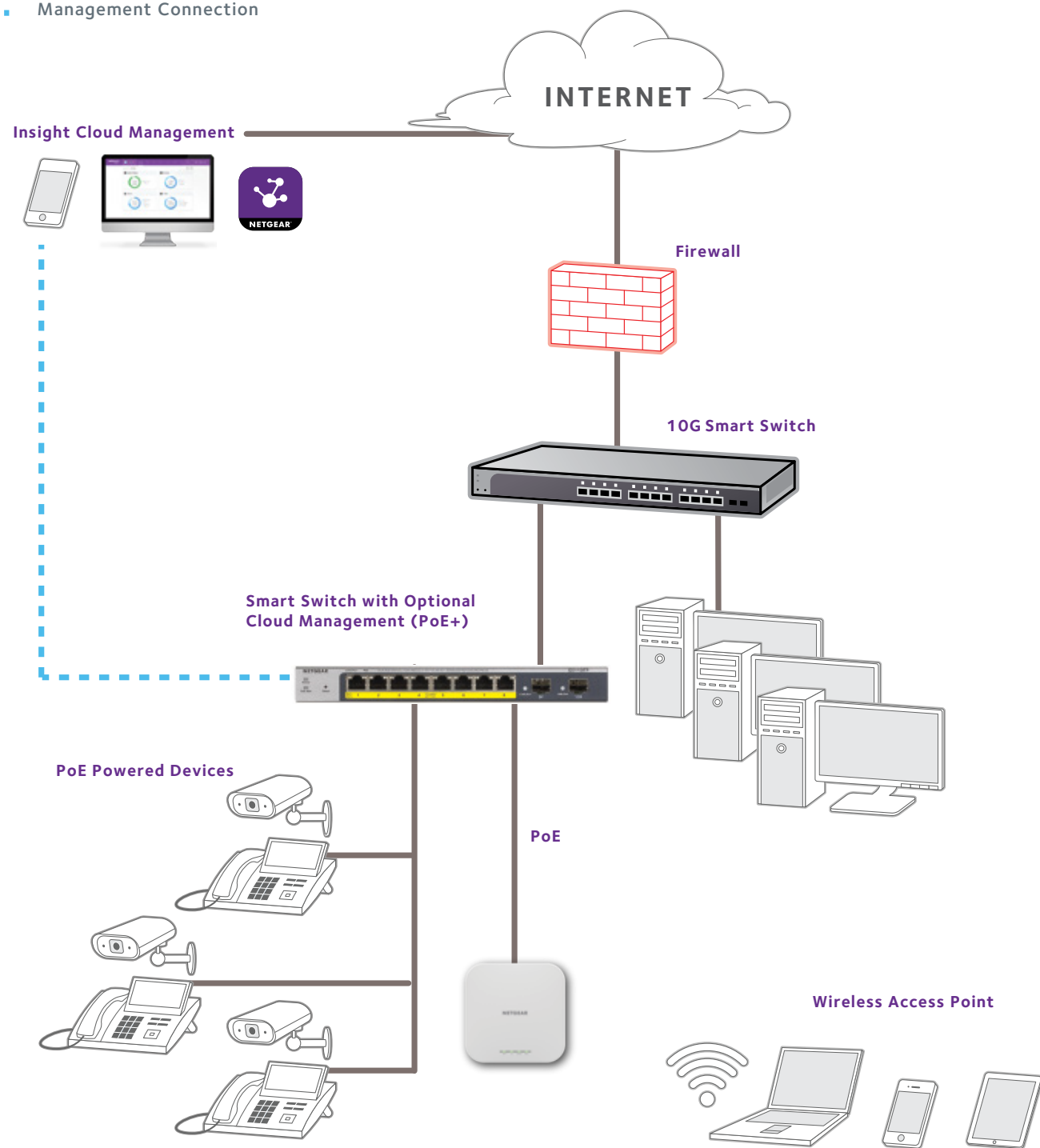
NETWORK SOLUTION FOR A GROWING MID-SIZE
BUSINESS, 75-250 + USERS

Connection Setup

Physical Connection

INTERNET

Firewall

Content Security
Appliance

M4300-96X

M4300
Managed 10 Gigabit Switch

Multi-Gigabit
Managed PoE+ Switch

Stackable
Managed Switch

Multi-Gigabit
Smart Managed PoE+ Switch

Wireless Access Point

Wireless Access Point
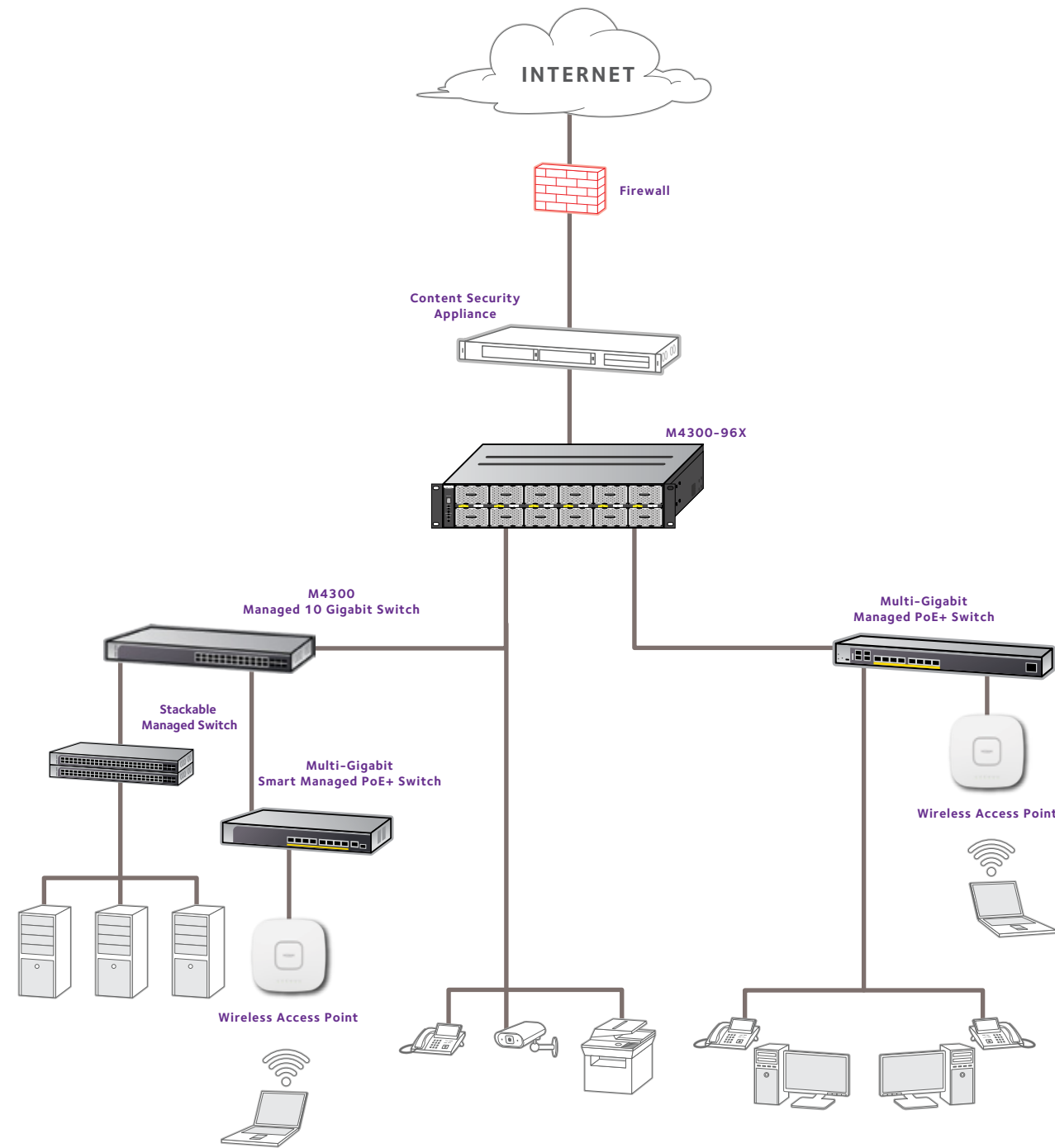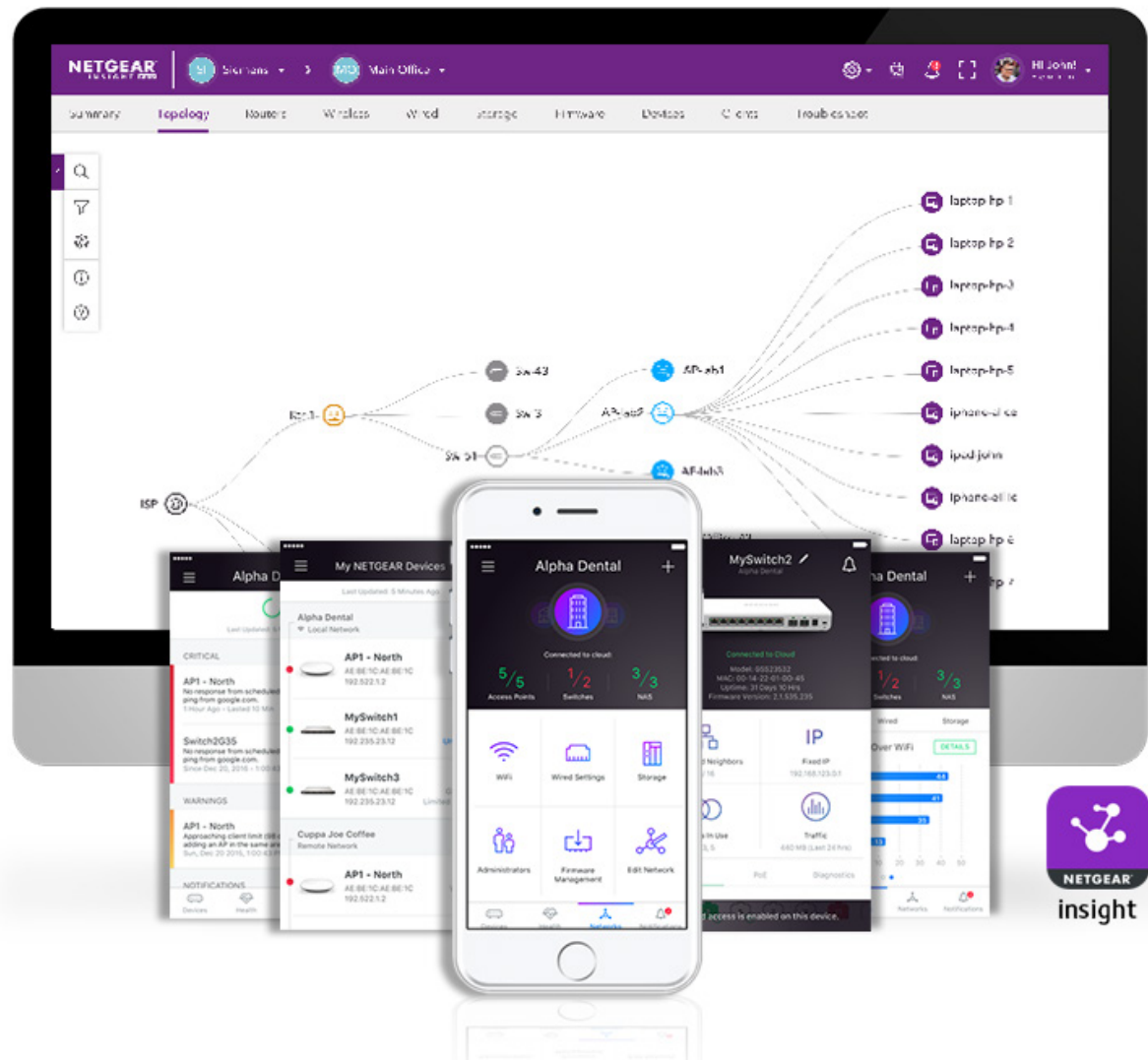
NETGEAR
Insight Management
Solution

INSIGHT PRO FOR OUR PARTNERS

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

EASE OF USE, RICH FEATURES AND SECURITY

Multi-tenancy & Multi-location

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

WiFi roaming & capabilities

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

Automated deployment & updates

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

Easy configuration & management

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

Remote provisioning

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

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).
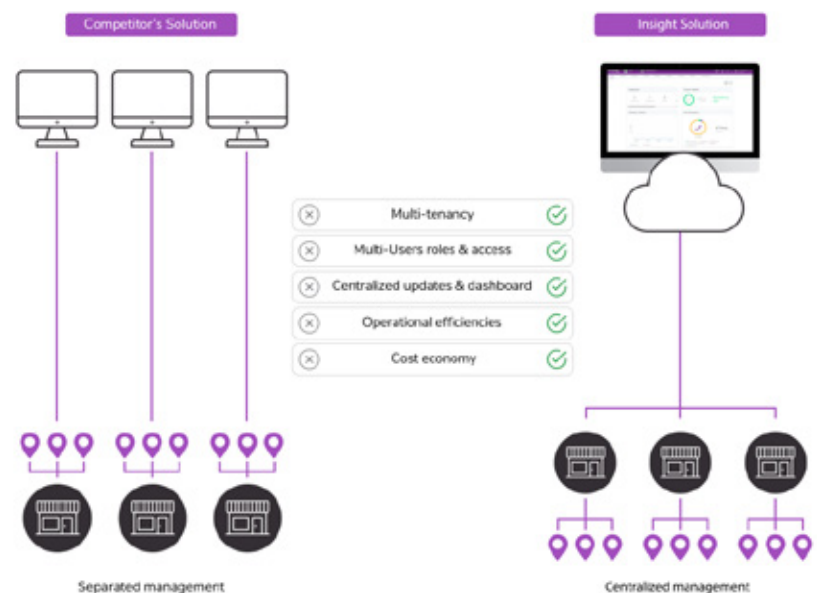
MOVE TO A PROFITABLE RECURRING REVENUE MODEL

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

Purchase Insight Pro
Buy a subscription package from an Authorized Distributor. Or directly from within Insight itself.

Set Up Account
You will recieve a purchase confirmation email

Start Managing
Add devices and that's it!
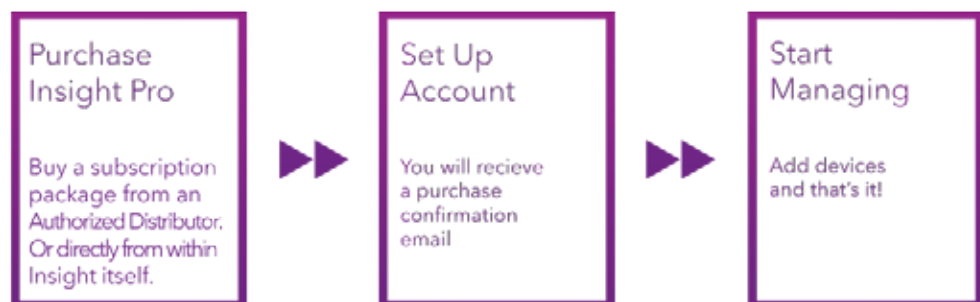
INSIGHT PRO FOR MOBILE HOTSPOTS

Remotely manage mobile hotspots and connected devices with Insight Pro, the best way to manage your LTE or 5G Internet access wherever your business takes you. Onboard devices in bulk, assign user profiles, and track data usage safely and securely with remote cloud management.

INCREASED NEED FOR CONNECTIVITY

Work from Home   Remote Job Sites   On-the-go   Remote Areas

Introducing NETGEAR Insight Pro on the Nighthawk M1 4G LTE Mobile Router, Nighthawk M5 5G WiFi 6 Mobile Router, and Nighthawk M6 and M6 Pro 5G Mobile Routers (for AT&T). With NETGEAR Insight Pro, IT managers can centrally monitor and manage M1, M5 and M6 deployment to their team for Internet connectivity at worksites, in work-from-home situations and when on-the-go.

NETGEAR mobile hotspots are ready to be managed remotely by Insight right out of the box to provide teams with dedicated internet connectivity.

- Bulk device onboarding and unified device profile setup with easy replication and cloning of profile and policy settings
- Remotely onboard and configure your hotspot with organization-specific policies using the Insight Cloud Portal
- Protect device ownership by organization with secure authenticated device claiming process
- Anytime, anywhere remote access to easily know the status of any device deployed to the field
- Supports multi-tenancy, allowing IT managers and MSPs to logically organize their supported devices
- Remotely view usage statistics, cellular signal strength, and battery levels

NETGEAR INSIGHT SERVICES

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.
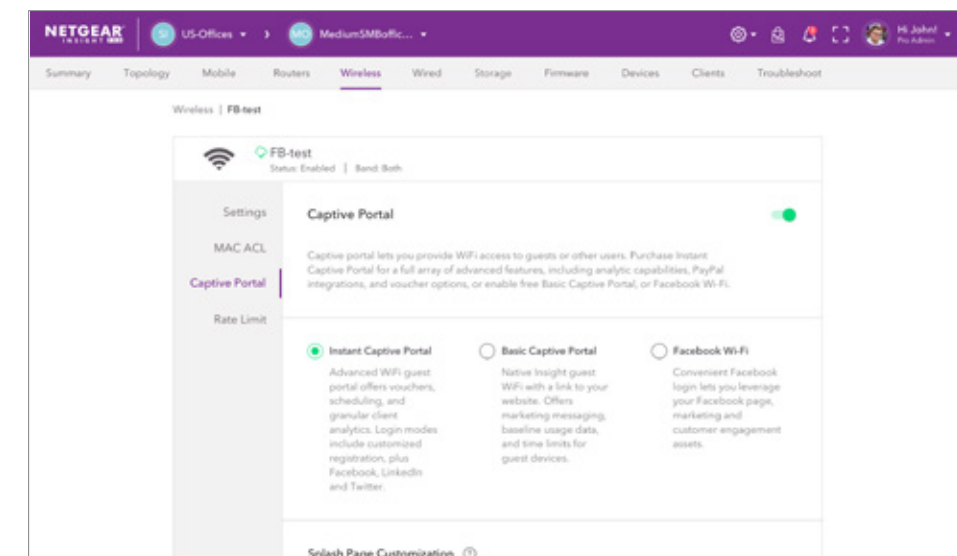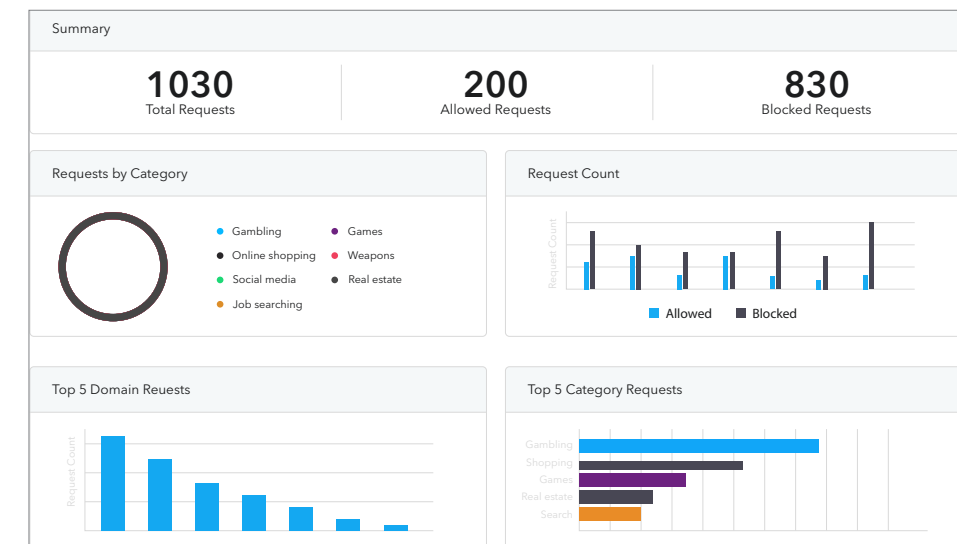
NETGEAR INSIGHT BUSINESS VPN

Now that employees are working remotely or in different locations and the company network is distributed, it is harder to control and protect. This is why small and mid-sized businesses (SMBs) seek more efficient ways to connect everyone and everything. In turn, this has led to a growing interest in virtual private networks (VPN).

Introducing NETGEAR Insight Business VPN, a simple, instant and efficient way to extend an SMB's network to multiple locations, including WFH employees.

NETGEAR Insight Business VPN Features:

- Easy VPN set up through SSID: Once NETGEAR Insight Business VPN is configured, the end user does not have to do anything (no VPN client or 2FA). Just get connected to the existing office SSID and you are on the VPN

- Corporate SSID from home: Connect to the predefined corporate SSID on the Orbi Pro for the employee to be automatically connected to the company VPN, while the rest of the home network traffic is connected to other WiFi SSIDs

- SSID setup support for secure end-device access: Authenticate each end/client device that accesses the SSID through Business VPN. The Admin can authenticate users via both RADIUS integration (if they have the setup) as well as use pre-shared key (WPA2/3 Personal mode) plus MAC ACL

- Create/delete VPN group: Easily administer VPN access on a group level and reduce setup time

- User management: Network management and configurations can be handled easily by administering VPN access on a group level, managing VPN access for users or business sites, and more

- Data analytics and reporting: Receive reports on VPN downtime, VPN access history and more

- Notifications & Alerts: Receive notifications and alerts on Business VPN downtime, new user access and more

Traditional VPN vs. NETGEAR Business VPN

Traditional VPN login
Log in > Multi-factor authentication

One-Step Business VPN login
Simply connect to the corporate SSID and get access to the VPN
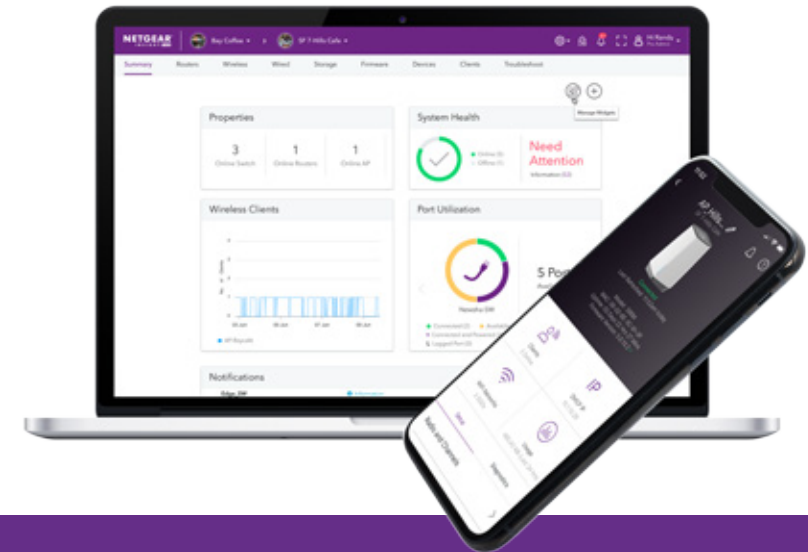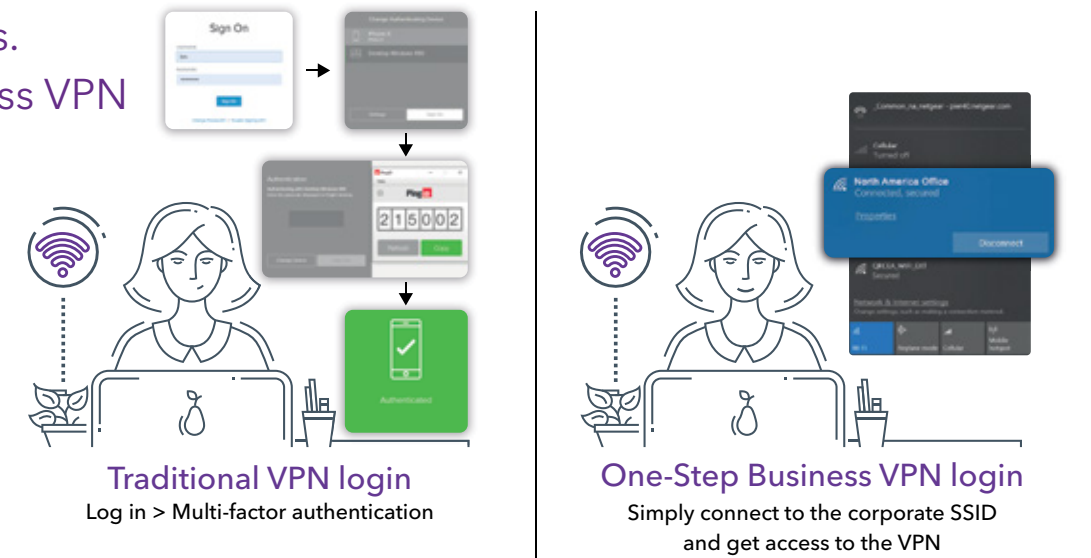
NETGEAR Insight Business VPN Benefits

Employee Benefits:

☑ **One-step connection**: Easy connection to all company applications through VPN without switching SSIDs

☑ **Constant connection**: Continuous uninterrupted connection through a software only VPN

☑ **Improved efficiency**: Authenticate once for all company applications (CRM systems, internal database, etc.)

☑ **Secure**: Safely access information from anywhere the Orbi Pro connection reaches

Admin Benefits:

☑ **Secure**: Second level of security on top of the authentication with secure end/client device access

☑ **Easy to configure and set up:**
  - Simplified and standardized deployment
  - Remote configuration
  - Save time with bundle onboarding and configuration

☑ **Improved Support**: Less time spent supporting work-from-home and branch employees

☑ **Troubleshooting**: Get clear VPN history on usage and downtime to adjust accordingly
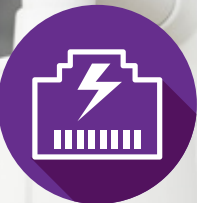
Building a Network Infrastructure for Robust IP Video Surveillance
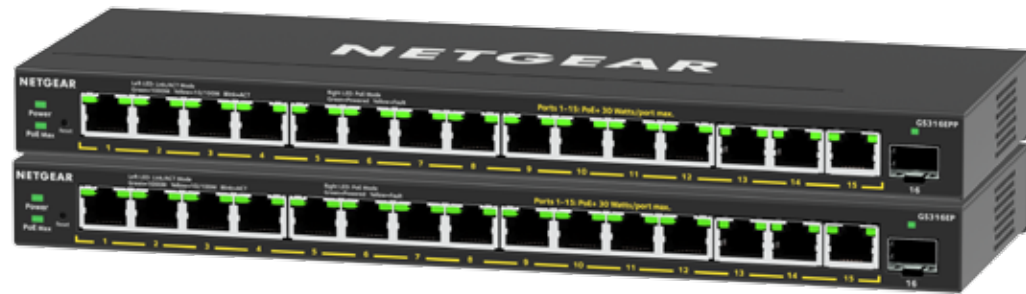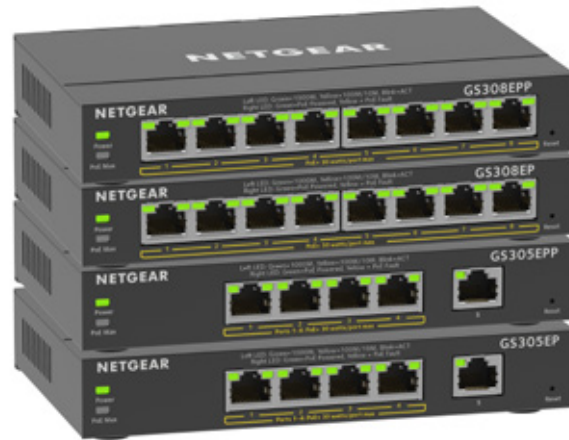
Video surveillance based on digital IP technology has revolutionized the physical security industry. The network is the critical infrastructure in any surveillance installation that enables all the other surveillance functions – transmitting video streams to be viewed, managed and stored as well as carrying 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

Surveillance

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
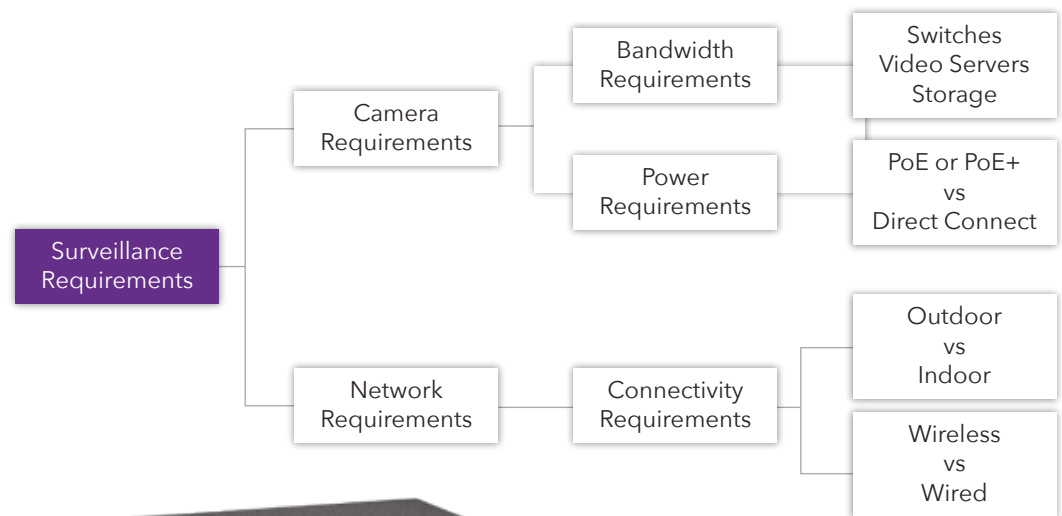
Largest portfolio of Power over Ethernet (PoE) switches

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 Rack mount 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

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
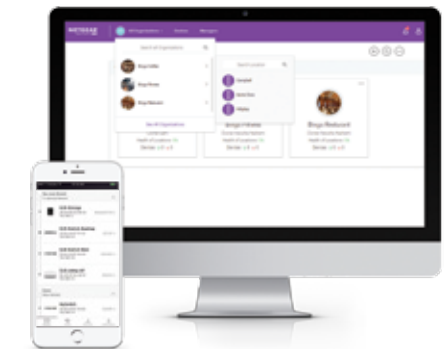
www.netgear.com/insight

NETGEAR 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.

[1] Features vary by model

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 larger networks where granular control is required to minimize traffic congestion and performance bottlenecks, fully managed switches offer advanced control.

Just pick the switch that's best for you!

	UNMANAGED				PLUS			SMART				W/REMOTE/CLOUD MGMT	FULLY MANAGED	
Customer	Small													
				Mid-sized										
Switching	L2								L2/L2+/Lite L3					L2+/L3	
1GbE	200/600/	300	100	500	300	100	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, MSxxx, GSxxxMX Series				XSxxxEM, MSxxxE, GSxxxEMX Series				MS Series				M4200 /M4250	
Management	NA				Local GUI / NMS300 / Insight*								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 |

Example

Speed	Series	Ports	Management	Uplinks	Power
GS	1	10	E	MX	

Speed		Series (See below for legend)		Ports		
GS/JGS	Gigabit Ethernet	1	Series	05	Number of Ports	24
MS	Multi-gigabit Ethernet (1G/2.5G/5G, or 5-speed up to 10G)	2		08		28
		3		10		48
XS	10-Gigabit Ethernet	5		12		52
		7				

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+
		7		UP	Ultra PoE++

Smart and Smart w/Optional Remote/Cloud Switches*

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

Example

Speed	Series	Ports	Management	Uplinks	Power	Stacking
MS	5	10	T	X	UP	

Speed		Series (See below for legend)		Ports		
GS	Gigabit Ethernet	1	Series	05	Number of Ports	24
MS	Multi-gigabit Ethernet (1G/2.5G/5G, or 5-speed up to 10G)	2		08		28
		3		10		48
XS	10-Gigabit Ethernet	5		12		52
		7				

Management Type		Uplink Type		Power		Stacking	
T	Smart	X	10-Gigabit uplinks	LP	Low power PoE	S	Hardware Stacking
		M	Multi-gigabit Ethernet (5-speed, up to 10G) uplinks (GS-Series/MS-Series) or all ports (XS-Series)	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").

Fully Managed Switches

| Speed | Management | Family | Ports | Power | Media | Stacking |

Example

Speed	Management	Family	Ports	Power	Media	Stacking
XS	M	43	16			S

Speed		Management		Family		Ports		
GS	Gigabit Ethernet	M	Fully Managed	42	M4200, M4250	10	Number of Ports	24	48
MS	Multi-Gigabit Ethernet (1G/2.5G/5G, or 5 speed up to 10G)			43	M4300	12		28	52
				45	M4500	14		30	56
XS	10-Gigabit Ethernet					16		32	96
CS	100-Gigabit Ethernet								

Power		Media		Stacking	
P	PoE+	C	Copper	S	Hardware Stacking
U	Ultra PoE++	F	Fiber		
UP	Ultra PoE++	X	10G Uplinks		

Series Legend (for Unmanaged, Plus, and Smart Switches)

1 = Desktop (Metal)

2 = Desktop Essentials (Plastic)

3 = Desktop or Rack-mount (depending on port count) SOHO (Metal)

5 = Desktop/Rack-mount (13" - 15") (Metal)

6 = Desktop Home/Retail (Plastic)

7 = Rack-mount (17") (Metal)

A SHORT GUIDE TO NETGEAR SWITCHES MANAGEMENT

Just pick the type of management that is right for you

	Unmanaged	Plus	Smart S350 Series	Smart	Smart with Optional Cloud	Fully Managed
	FOR HOME AND BUSINESS	FOR HOME AND BUSINESS	FOR SMB NETWORKS	FOR SMB NETWORKS	FOR SMB NETWORKS	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						●

*Select Smart models

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 15.4W 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 60W 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
GS108Tv3	Gigabit Smart Switch	5.5W
M4100-D12G (GSM5212)	12 x GbE + 4 Combo SFP Managed Switch	25W
WAC510	Insight Managed AC WiFi Access Point	9.3W
WAC540	Insight Managed Smart Cloud Tri-Band 4x4 Wireless Access Point	25.5W
WAX214	Business Essentials WiFi 6 AX1800 Dual-Band Access Point	15.3W
WAX218	Business Essentials WiFi 6 AX3600 Dual-Band Access Point	30W
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 Wireless Access Point	25.5W
WAX630	WiFi 6 AX6000 Wireless Access Point	330.1W
WAX630E	WiFi 6 AXE7800 Wireless Access Point	27.64W

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	63W	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
MS108UP	8x1G/2.5G	8x1G/2.5G, 8 PoE+	230W	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			
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	
MS108EUP	8x1G/2.5G	8 PoE+, 4 Ultra60 PoE++	230W	Yes	
GS316EP	15 x GbE + 1G Dedicated SFP	15 (PoE+)	180W	Yes	
GS316EPP	15 x GbE + 1G Dedicated SFP	15 (PoE+)	231W	Yes	
		SMART / SMART CLOUD SWITCHES			
GS110TPv3	8 x GbE + 2 x 1G Dedicated SFP	8 PoE+	55W		
GS310TP	8 x GbE + 2 x 1G Dedicated SFP	8 PoE+	55W		
GS510TLP	8 x GbE + 2 x 1G Dedicated SFP	8 PoE+	75W		
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		
MS510TXUP	4 x 2.5G + 4 x 10G + 2 x 10G Dedicated SFP+	8 Ultra60PoE++	295W	Yes	
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		
GS752TPv2	48 x GbE + 4 x 1G Dedicated SFP	48 PoE+	380W		
GS752TPP	48 x GbE + 4 x 1G Dedicated SFP	48 PoE+	760W		
		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)			
M4250-9G1F-PoE+ (GSM4210PD)	8 x 1G + 1 x 1G Dedicated SFP		110W		
M4250-8G2XF-PoE+ (GSM4210PX)	8 x 1G + 2 x 10G Dedicated SFP+		220W		
M4250-10G2F-PoE+ (GSM4212P)	10 x GbE + 2 x 1G Dedicated SFP	8 PoE+	125W		
M4250-10G2F-PoE+ (GSM4212P)	10 x GbE + 2 x 1G Dedicated SFP	8 PoE+	125W		
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.

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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!

PRO-AV | **DATA INCREASE** | **HD STREAMING** | **RACK SPACE SAVING** | **FLASH-BASED STORAGE**

FASTER WIFI | **PREMISE EXPANSION** | **EXISTING CONGESTION** | **VIRTUALIZATION & HYPERCONVERGENCE** | **BYOD & IOT**
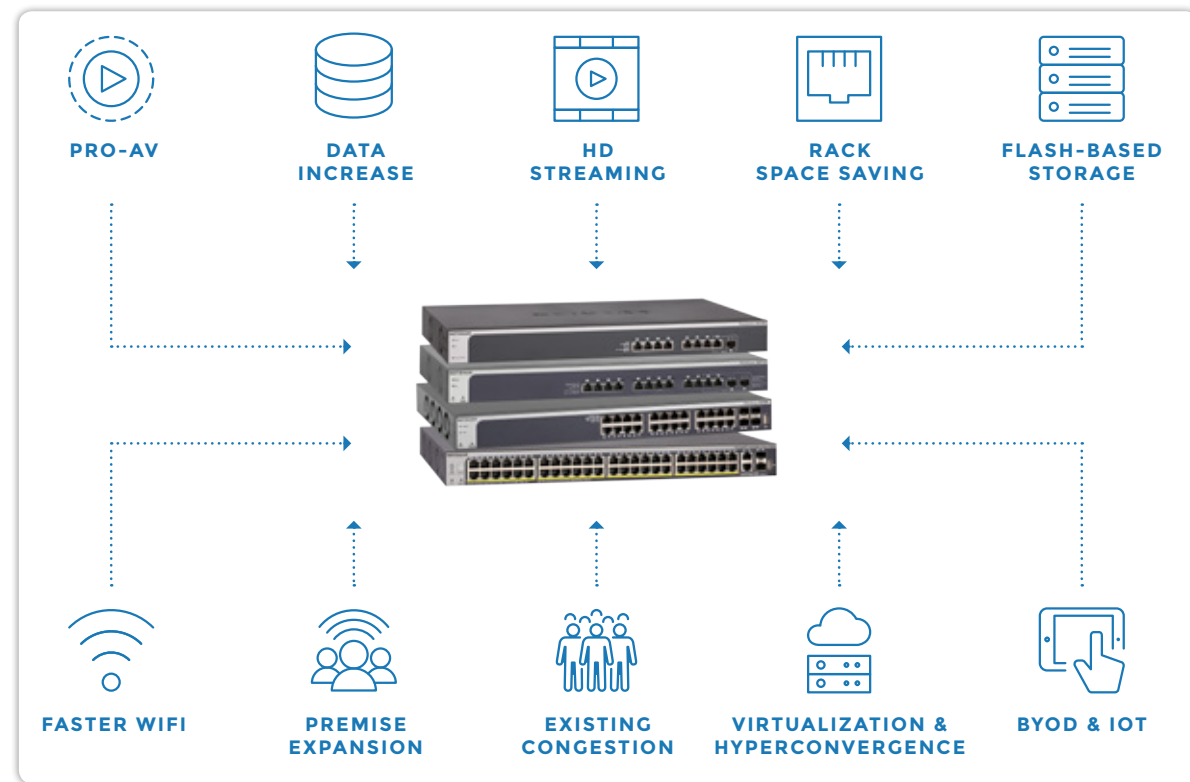
NETGEAR 10-Gigabit Portfolio

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 28 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 switches. 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 10G Ports	16	16		24	24
10G Copper Ports	8	16		12	24
10G SFP+ Ports	8			12	4 Combo
Fabric	320 Gbps	320 Gbps		480 Gbps	480 Gbps
Half Width	•	•		•	•
Full Width					
PoE+		•			

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 10G Ports	24	48	48	48	Up to 96
10G Copper Ports	2 Combo	24	48	2 Combo	Up to 96 by multiples of 8
10G 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+					•

10-Gigabit Smart switches for SMB and IT applications

TYPE	Smart	
Model Number	XS728T	XS748T
Management	L2+/L3 Lite	L2+/L3 Lite
Total 10G Ports	28	48
1G/10G Copper Ports	24	48
1G/10G SFP+ Ports	4	4
Fabric	560 Gbps	960 Gbps
Form Factor	Rack mount	Rack mount

UNLOCK YOUR NETWORK POTENTIAL WITH 5-SPEED NETWORKING!
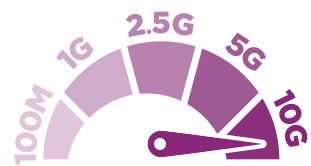
Modern, high-performance network devices such as 5G network cards, gaming computers, desktop computers, servers, network attached storage (NAS) devices, or IEEE 802.11ac Wave 2 wireless access points are capable of 2.5-Gigabit or 5-Gigabit connectivity. With the existing Gigabit and 10-Gigabit Ethernet 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 100M/1G and 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/10G (5-SPEED) SWITCHES

	MS305	MS105	XS505M	XS508M	GS110MX	MS108UP	GS110EMX	MS108EUP	XS512EM	XS724EM	MS510TXM	MS510TXPP	MSS10TXUP	M4200-10MG-POE+	M4250-12M2XF	M4300-16X	M4300-96X
# of Ports	5	5	5	8	10	8	10	8	12	24	10	10	10	10	14	16	96
# of 1G Ports					8		8				4		4				
# of 1G/2.5G Multi-Gig Ports	5	5				8		8			4	2	4	8	12		
# of 1G/2.5G/5G Multi-Gig Ports												2					
# of 10G Fiber Ports			1	1					2	2	2	1	2	2	2		Up to 96
# of 5-Speed Ports (100M/1G/2.5G/5G/10G)			4	7	2		2		12	24	4	1	4			16	Up to 96
PoE+ Ports PoE++ Ports						4 PoE+ 4 Ultra60 PoE++		4 PoE+ 4 Ultra60 PoE++					8 PoE+	4 Ultra60 PoE++	8 PoE+		16 PoE+	Up to 48 PoE+
Type of Management	Unmanaged	Unmanaged	Unmanaged	Unmanaged	Unmanaged	Unmanaged	Plus	Plus	Plus	Plus	Smart	SmartCloud	SmartCloud	Fully Managed	Fully Managed	Fully Managed	Fully Managed
Web Interface for Configuration							Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
NETGEAR Insight Remote/Cloud Management												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, JGS516PE, JGS524PE, GS750E, GS305EP, GS305EPP, GS308EP, GS308EPP, GS316EP, GS316EPP, and the latest model MS108EUP that launched in January 2022. 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.

NETGEAR® AV

NETGEAR's Pro AV solutions are engineered specifically for AV over IP with out-of-the-box support for every networked AV solution.

OVERVIEW

We are committed to the consistent delivery of best-in-class connected network solutions for the professional AV market. From our industry-leading product suite and unmatched service and support, the NETGEAR promise is to meet and exceed our commercial partners' requirements at any stage of their growth journey.

NETGEAR AV 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)

The following list of NETGEAR Pro AV Partners ensures your AV over IP installation will be successful. All of these partners work with us to make certain that our switches work with their products. Our Engineering Services team has worked with these manufacturers to provide you with peace of mind when it comes to your deployment.

NETGEAR® AV

NETGEAR® AV

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.

Contact the Engineering Services team:
ProAVDesign@netgear.com

TECHNICAL TRAINING

At NETGEAR we believe in working with our integration partners and end users to empower them with the knowledge to be more self-sufficient. As part of this commitment, we offer free training courses at our online Academy.

From technical training on AV over IP topics to general business networking concepts, this Academy provides the skills you need to become better equipped for the challenges of today's world of networking.

Most courses offer valuable AVIXA Renewal Units and provide a Certificate of Completion for you to download.

Signup for training: www.netgear.academy

M4300 Switches for 10G AV over IP Applications

MODEL NAME	M4300-8X8F	M4300-16X		M4300-12X12F	M4300-24X
Model Number	XSM4316S	XSM4316PA	XSM4316PB	XSM4324S	XSM4324CS
Management	Full	Full		Full	Full
Total 10G Ports	16	16		24	24
10G Copper Ports	8	16		12	24
10G 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 10G Ports	24	48	48	48	Up to 96
10G Copper Ports	2 Combo	24	48	2 Combo	Up to 96 by multiples of 8
10G 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	•	•	•	•	•

Find out more: www.netgear.com/proav

NETGEAR® AV

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+			•	•	•	•

M4250 Switches for 1G AV over IP Applications

MODEL NAME	M4250-9G1F-PoE+	M4250-8G2XF-PoE+	M4250-10G2F-PoE+	M4250-10G2XF-PoE+	M4250-10G2XF-PoE++
Model Number	GSM4210PD	GSM4210PX	GSM4212P	GSM4212PX	GSM4212UX
Primary Port Speed	1G	1G	1G	1G	1G
1G Copper Ports			10	10	10
2.5G Copper Ports					
SFP/SFP+ Ports	1 (SFP)	2 (SFP+)	2 (SFP)	2 (SFP+)	2 (SFP+)
PoE Type	PoE+	PoE+	PoE+	PoE+	Ultra90 PoE++
PoE Ports	8	8	8	8	8
PoE Budget	110W	220W	125W	240W	720W
IGMP Plus™ Support	•	•	•	•	•
AVB Support**	•	•	•	•	•
Acoustic Noise***	Fanless	Quiet mode (19.3dBA) or Cool mode (35.3dBA)	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)
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.

NETGEAR® AV

MODEL	M4250-12M2XF	M4250-16XF	M4250-26G4F-POE+	M4250-26G4XF-POE+
SKU	MSM4214X	XSM4216F	GSM4230P	GSM4230PX
Primary Port Speed	2.5G	10G	1G	1G
1G Copper Ports			26	26
2.5G Copper Ports	12			
SFP/SFP+ Ports	2 (SFP+)	16 (SFP+)	4 (SFP)	4 (SFP+)
PoE Type			PoE+	PoE+
PoE Ports			24	24
PoE Budgets			300W	480W
IGMP Plus™ Support	Yes	Yes	Yes	Yes
AVB Support**	Yes	Yes	Yes	Yes
Acoustic Noise***	Fanless, Quiet mode (28.5dBA) or Cool mode (55dBA)	Fanless, Quiet mode (27.44dBA) or Cool mode (57dBA)	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)
Management	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*

** 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.

MODEL	M4250-26G4F-POE++	M4250-40G8F-POE+	M4250-40G8XF-POE+	M4250-40G8XF-POE++
SKU	GSM4230UP	GSM4248P	GSM4248PX	GSM4248UX
Primary Port Speed	1G	1G	1G	1G
1G Copper Ports	26	40	40	40
2.5G Copper Ports				
SFP/SFP+ Ports	4 (SFP)	8 (SFP)	8 (SFP+)	8 (SFP+)
PoE Type	Ultra90 PoE++	PoE+	PoE+	Ultra90 PoE++
PoE Ports	24	40	40	40
PoE Budgets	1,440W	480W	960W	2,880W
IGMP Plus™ Support	Yes	Yes	Yes	Yes
AVB Support**	Yes	Yes	Yes	Yes
Acoustic Noise***	Quiet mode (280W PoE, 28dBA; 480W PoE, 47dBA; 1440W PoE, 60dBA) or Cool Mode (69dBA)	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	AV UI, IT GUI, CLI
Warranty	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.

Unmanaged Switches

Unmanaged, L2, Gigabit

MODEL		GS305	GS305P	GS305PP
Port Configuration	10M/100M RJ45 Copper Ports (Auto Uplink)			
	10M/100M/1G RJ45 Copper Ports (Auto Uplink)	5	5	5
PoE (Power-over-Ethernet)	# of PoE Ports		4	4
	PoE (15.4W) 802.3af Ports		4	4
	PoE+ (30W) 802.3at Ports			4
	Total PoE/PoE+ Budget		63W	83W
Scalability	# MAC Addresses	2K	2K	2K
	MAC Address Aging (sec)	300 sec	300 sec	300 sec
Quality of Service	Number of Priority Queues			
	Traffic Prioritization	802.1p based QoS/CoS	802.1p based QoS/CoS	802.1p based QoS/CoS
Performance	Bandwidth	10 Gbps	10 Gbps	10 Gbps
	Buffer Memory	128 KB	128 KB	128 KB
	Jumbo Frames	9,216 bytes	9,216 bytes	9,216 bytes
Energy Efficiency	IEEE 802.3az	✔	✔	✔
	Auto Port Power Down	✔	✔	✔
	Max Power Consumption	2W	3.41W (no PoE) 67.5W (with PoE max)	2.89W (no PoE) 88.89W (with PoE max)
Physical	Form-factor/Mounting (Desktop, Wall, Rack)	Desktop, Wall mount	Desktop, Wall mount	Desktop, Wall mount
	Metal/Plastic Enclosure	Metal	Metal	Metal
	MTBF @ 25°C	3,831,422 hrs (437 yrs)	4,105,494 hrs (368 yrs)	6,710,127 hrs
	Fan(s)	None	None	None
	Width x Depth x Height	101 x 94 x 29 mm (4.0 x 3.7 x 1.1 in)	158 x 101 x 29 mm (6.2 x 4.0 x 1.1 in)	158 x 101 x 29 mm (6.2 x 4.0 x 1.1 in)
	Weight	0.25 kg (0.55 lb)	0.41 kg (0.9 lb)	0.41 kg (0.9 lb)
Electromagnetic Compliance	Class (A or B)	B	A	A
Warranty Hardware*		3 years	3 years	3 years
Warranty Power Supply		3 years	3 years	3 years
ProSUPPORT Maintenance Contracts***	OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year	PMB0S11 PMB0S31 PMB0S51	PMB0311 PMB0331 PMB0351	PMB0S11 PMB0S31 PMB0S51

Unmanaged Switches

Unmanaged, L2, Gigabit

MODEL		GS308	GS308P	GS308PP
Port Configuration	10M/100M RJ45 Copper Ports (Auto Uplink)			
	10M/100M/1G RJ45 Copper Ports (Auto Uplink)	8	8	8
PoE (Power-over-Ethernet)	# of PoE Ports			8
	PoE (15.4W) 802.3af Ports		4	8
	PoE+ (30W) 802.3at Ports			8
	Total PoE/PoE+ Budget		53W	83W* (FlexPoE)
Scalability	# MAC Addresses	8K	4K	4K
	MAC Address Aging (sec)	300 sec	300 sec	300 sec
Quality of Service	Number of Priority Queues			
	Traffic Prioritization	802.1p based QoS/CoS	802.1p based QoS/CoS	802.1p based QoS/CoS
Performance	Bandwidth	16 Gbps	16 Gbps	16 Gbps
	Buffer Memory	128 KB	192 KB	192 KB
	Jumbo Frames	9,216 bytes	9,720 bytes	9,216 bytes
Energy Efficiency	IEEE 802.3az	✓	✓	✓
	Auto Port Power Down	✓	✓	✓
	Max Power Consumption	3.04W	7.0W (no PoE) 60.0W (with PoE max)	3.86W (no PoE) 90W (with PoE max)
Physical	Form-factor/Mounting (Desktop, Wall, Rack)	Desktop, Wall mount	Desktop, Wall mount	Desktop, Wall mount
	Metal/Plastic Enclosure	Metal	Metal	Metal
	MTBF @ 25°C	3,711,898 hrs (424 yrs)	2,244,211 hrs (256 yrs)	2,752,476 hrs
	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)	236 x 102 x 27 mm (9.3 x 4 x 1.1 in)
	Weight	0.39 kg (0.86 lb)	0.46 kg (1.02 lb)	0.6 kg (1.32 lb)
Electromagnetic Compliance	Class (A or B)	B	A	A
Warranty Hardware*		3 years	3 years	3 years
Warranty Power Supply		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	PMB0S12 PMB0S32 PMB0S52

*FlexPoE power budgets can be increased by purchasing an optional, higher-powered NETGEAR Power Adapter upgrade.

Unmanaged Switches

Unmanaged, L2, Gigabit

MODEL		GS316	GS316P	GS316PP
Port Configuration	10M/100M RJ45 Copper Ports (Auto Uplink)			
	10M/100M/1G RJ45 Copper Ports (Auto Uplink)	16	16	16
PoE (Power-over-Ethernet)	# of PoE Ports		16	16
	PoE (15.4W) 802.3af Ports		16	16
	PoE+ (30W) 802.3at Ports		16	16
	Total PoE/PoE+ Budget		115W* (FlexPoE)	183W
Scalability	# MAC Addresses	16K	4K	4K
	MAC Address Aging (sec)	300 sec	300 sec	300 sec
Quality of Service	Number of Priority Queues			
	Traffic Prioritization	802.1p based QoS/CoS	802.1p based QoS/CoS	802.1p based QoS/CoS
Performance	Bandwidth	32 Gbps	32 Gbps	32 Gbps
	Buffer Memory	768 KB	1MB	1MB
	Jumbo Frames	9,216 bytes	9,216 bytes	9,216 bytes
Energy Efficiency	IEEE 802.3az	✓	✓	✓
	Auto Power Down	✓	✓	✓
	Max Power Consumption	8.4W	12.9W (no PoE) 130W (with PoE max)	12.9W (no PoE) 200W (with PoE max)
Physical	Desktop/Rack mount	Desktop, Wall mount	Desktop, Wall mount	Desktop, Wall mount
	Metal/Plastic Enclosure	Metal	Metal	Metal
	MTBF @ 25°C	9,041,798 hrs (1032 yrs)	2,362,192 hrs	2,362,192 hrs
	Fan(s)	None	None	None
	Width x Depth x Height	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	0.84 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
Warranty Hardware*		3 years	3 years	3 years
Warranty Power Supply		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

*FlexPoE power budgets can be increased by purchasing an optional, higher-powered NETGEAR Power Adapter upgrade.

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 (Power-over-Ethernet)	# of PoE Ports		16	24
	PoE+ (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	48 Gbps
	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/Rack mount	Desktop, Wall mount, Rack mount	Desktop, Rack mount	Desktop, Rack mount
	Metal/Plastic Enclosure	Metal	Metal	Metal
	MTBF @ 25°C	433,281 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

MODEL		GS348	GS348PP	GS105
Port Configuration	10M/100M RJ45 Copper Ports (Auto Uplink)			
	10M/100M/1G RJ45 Copper Ports (Auto Uplink)	48	48	5
PoE (Power-over-Ethernet)	# of PoE Ports		24	
	PoE+ (30W) 802.3at Ports		24	
	Total PoE/PoE+ Budget		380W	
Scalability	# MAC Addresses	8K	16k	2K
	MAC Address Aging (sec)	300 sec	300-450 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	96 Gbps	48 Gbps	10 Gbps
	Buffer Memory	1.5 MB	1.5MB	128 KB
	Jumbo Frames	9,216 bytes	12,888 bytes	9,216 bytes
Energy Efficiency	IEEE 802.3az	✔	✔	✔
	Auto Power Down	✔	✔	✔
	Max Power Consumption	23W	410W	2.7W
Physical	Desktop/Rack mount	Desktop, Rack mount	Desktop Rack mount	Desktop/Wall mount
	Metal/Plastic Enclosure	Metal	Metal	Metal
	MTBF @ 25°C	1,094,297 hrs (125 yrs)	570,972 hrs	3,197,945 hrs (365 yrs)
	Fan(s)	None	2	None
	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)	94 x 100 x 27 mm (3.7 x 3.9 x 1.1 in)
	Weight	3.15 kg (6.95 lb)	4.56kg (10.05b)	0.26 kg (0.57 lb)
Electromagnetic Compliance	Class (A or B)	A	A	B
Warranty Hardware*		3 years	3 years	Lifetime* Limited
Warranty Power Supply		Internal (same as switch)	3 years	2 years
ProSUPPORT Maintenance Contracts***	OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year	PMB0S12 PMB0S32 PMB0S52	PMB0S12 PMB0S32 PMB0S52	PMB0S11 PMB0S31 PMB0S51

Unmanaged Switches

Unmanaged, L2, Gigabit

MODEL		GS108	GS108LP	GS108PP
Port Configuration	10M/100M RJ45 Copper Ports (Auto Uplink)			
	10M/100M/1G RJ45 Copper Ports (Auto Uplink)	8	8	8
PoE (Power-over-Ethernet)	# of PoE Ports		8	8
	PoE+ (30W) 802.3at Ports		8	8
	Total PoE/PoE+ Budget		60W* (FlexPoE)	123W
Scalability	# MAC Addresses	4K	4K	4K
	MAC Address Aging (sec)	300 sec	300 sec	300 sec
Quality of Service	Number of Priority Queues			
	Traffic Prioritization	802.1p based QoS/CoS	802.1p based QoS/CoS	802.1p based QoS/CoS
Performance	Bandwidth	16 Gbps	16 Gbps	16 Gbps
	Buffer Memory	192 KB	192 KB	192 KB
	Jumbo Frames	9,216 bytes	9,216 bytes	9,216 bytes
Energy Efficiency	IEEE 802.3az	✔	✔	✔
	Auto Port Power Down	✔	✔	✔
	Max Power Consumption	2.73W	3.86W (no PoE) 67.5W (with PoE max)	3.86W (no PoE) 130W (with PoE max)
Physical	Desktop/Rack mount	Desktop/Wall mount	Desktop/Wall mount/Rack mount	Desktop/Wall mount/Rack mount
	Metal/Plastic Enclosure	Metal	Metal	Metal
	MTBF @ 25°C	5,095,578 hrs (1110 yrs)	2,752,476 hrs (314 yrs)	2,752,476 hrs (314 yrs)
	Fan(s)	None	None	None
	Width x Depth x Height	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	0.47 kg (1.04 lb)	0.60 kg (1.32 lb)	0.60 kg (1.32 lb)
Electromagnetic Compliance	Class (A or B)	B	A	A
Warranty Hardware*		Lifetime* Limited	Lifetime* Limited	Lifetime* Limited
Warranty Power Supply		2 years	2 years	2 years
ProSUPPORT Maintenance Contracts***	OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year	PMB0S11 PMB0S31 PMB0S51	PMB0S12 PMB0S32 PMB0S52	PMB0S12 PMB0S32 PMB0S52

*FlexPoE power budgets can be increased by purchasing an optional, higher-powered NETGEAR Power Adapter upgrade.

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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 (Power-over-Ethernet)	# of PoE Ports		16	16		
	PoE+ (30W) 802.3at Ports		16	16		
	Total PoE/PoE+ Budget		76W* (FlexPoE)	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 Gbps	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/Rack mount	Desktop, Wall mount	Desktop/Wall mount/Rack mount	Desktop/Wall mount/Rack mount	Desktop/Rack mount	Desktop/Rack mount
	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

*FlexPoE power budgets can be increased by purchasing an optional, higher-powered NETGEAR Power Adapter upgrade.

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Unmanaged Switches

Unmanaged, L2, Gigabit

MODEL		GS516PP	GS516UP	GS524PP	GS524UP
Port Configuration	10M/100M/1G RJ45 Copper Ports (Auto Uplink)	16	16	24	24
	100M/1G/2.5G/5G/10G RJ45 Copper Ports (Auto Uplink)				
PoE (Power-over-Ethernet)	# of PoE ports	16	16	24	24
	PoE+ (30W) 802.3at Ports	16	8	24	8
	Ultra60 PoE++ (60W) 802.3bt Ports		8		16
	Total PoE/PoE+ Budget	260W	380W	300W	480W
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/Rack mount	Desktop/Rack mount	Desktop/Rack mount	Desktop/Rack mount	Desktop/Rack mount
	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		GS110MX	MS105	MS305
Port Configuration	10M/100M/1G RJ45 Copper Ports (Auto Uplink)	8		
	1G/2.5GBASE-T RJ45 Copper Ports (Auto Uplink)			
	100M/1G/2.5G/5G/10G RJ45 Copper Ports (Auto Uplink)	2	5	5
	10G SFP+ Fiber Ports			
PoE (Power-over-Ethernet)	# of PoE ports			
	PoE+ (30W) 802.3at Ports			
	Ultra60 PoE++ (60W) 802.3bt Ports			
	# of PD port			
	Total PoE/PoE+ Budget			
Scalability	# MAC Addresses	16K	16K	16K
	MAC Address Aging (typical, sec)	300 sec	300-600 sec	300-600 sec
Quality of Service	802.1p-based QoS/CoS	✓	✓	✓
Performance	Total Bandwidth (Non-Blocking Fabric) (Gbps)	56 Gbps	25 Gbps	25 Gbps
	Buffer Memory (Packet Buffer Size)	128 KB	1MB	1MB
	Jumbo Frames	10,240 bytes	9720 bytes	9720 bytes
Energy Efficiency	IEEE 802.3az	✓	✓	✓
	Auto Port Power Down	✓	✓	✓
	Short Cable Detection/Power Saving		✓	✓
	Max Power Consumption	13.2W	9.24W	9.24W
Physical	Desktop/Rack mount/Wall mount	Desktop/Wall mount/Rack mount	Desktop/Wallmount	Desktop/Wallmount
	Metal/Plastic Enclosure	Metal	Metal	Metal
	MTBF @ 25°C	2,320,394 hrs (265 yrs)	1,401,743 hrs (160 yrs)	1,401,743 hrs (160 yrs)
	Fan(s)	None	None	None
	Acoustic Noise @ 25°C	0dBA	0dB	0dB
	Width x Depth x Height	236 x 102 x 27 mm (9.3 x 4.0 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	0.74 kg (1.63 lb)	0.48 kg (1.06 lb)	0.48 kg (1.06 lb)
Electromagnetic Compliance	(Class A or B)	B	B	B
Warranty	Hardware/Switch	Lifetime* Limited	Lifetime* Limited	3 years
	Power Supply	2 years	2 years	2 years
Modules				
ProSUPPORT Maintenance Contracts***	OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year	PMB0S12 PMB0S32 PMB0S52	PMB0S12 PMB0S32 PMB0S52	PMB0S12 PMB0S32 PMB0S52

Unmanaged Switches

Unmanaged, L2, Multi-Gig   Unmanaged, L2, 10G/Multi-Gig Switches

MODEL		MS108UP	XS505M	XS508M
Port Configuration	10M/100M/1G RJ45 Copper Ports (Auto Uplink)			
	1G/2.5GBASE-T RJ45 Copper Ports (Auto Uplink)	8		
	100M/1G/2.5G/5G/10G RJ45 Copper Ports (Auto Uplink)		4	8
	10G SFP+ Fiber Ports		1 SFP+ (dedicated)	1 Combo SFP+ (10G)
PoE (Power-over-Ethernet)	# of PoE ports	8		
	PoE+ (30W) 802.3at Ports	4		
	Ultra60 PoE++ (60W) 802.3bt Ports	4		
	# of PD port			
	Total PoE/PoE+ Budget	230W		
Scalability	# MAC Addresses	16K	2K	2K
	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)	40 Gbps	10 Gbps	10 Gbps
	Buffer Memory (Packet Buffer Size)	1.5MB	125 KB	125 KB
	Jumbo Frames	12,000 bytes	9,216 bytes	9,216 bytes
Energy Efficiency	IEEE 802.3az	✓	✓	✓
	Auto Port Power Down	✓	✓	✓
	Short Cable Detection/Power Saving	✓	✓	✓
	Max Power Consumption	16.58W(no PoE) 270.5W(with PoE MAX)	22.5W	39W
Physical	Desktop/Rack mount/Wall mount	Desktop, Wall mount	Desktop/Wall mount	Desktop/Wall mount
	Metal/Plastic Enclosure	Metal	Metal	Metal
	MTBF @ 25°C	373643.7 hrs (42.62 yrs)	1,093,237 hrs (125 yrs)	1,145,157 hrs (131 yrs)
	Fan(s)	None	1	1
	Acoustic Noise @ 25°C	0dBA	22.5dBA	22.5dBA
	Width x Depth x Height	210 x 140 x 40 mm (8.27 x 5.51 x 1.58 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	0.90 kg (1.98 lb)	1.38 kg (3.04 lb)	1.49 kg (3.28 lb)
Electromagnetic Compliance	(Class A or B)	B	B	B
Warranty	Hardware/Switch	Lifetime* Limited	Lifetime* Limited	Lifetime* Limited
	Power Supply	2 years	Internal (same as switch)	Internal (same as switch)
Modules			AGM731/AGM732F/AGM734 AXC761/AXC763 AXM761/AXM762/AXM763/AXM764/AXM765 (10GBASE-T only)	AGM731/AGM732F/AGM734 AXC761/AXC763 AXM761/AXM762/AXM763/AXM764/AXM765 (10GBASE-T only)
ProSUPPORT Maintenance Contracts***	OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year	PMB0312 PMB0332 PMB0352	PMB0311 PMB0331 PMB0351	PMB0311 PMB0331 PMB0351

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

Plus, L2, Gigabit

MODEL		GS105E	GS105PE	GS108E
Port Configuration	10M/100M/1G RJ45 Copper Ports (Auto Uplink)	5	5	8
PoE (Power-over-Ethernet)	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
	Dynamic MAC	✓	✓	✓
System Management	Single IP Management	✓	✓	✓
	Web Managed/GUI	✓	✓	✓
	DHCP (Client/Server)	DHCP Client	DHCP Client	DHCP Client
	Port Mirroring	Many-to-One	Many-to-One	Many-to-One
Quality of Service	Number of Priority Queues	4	4	4
	Traffic Prioritization	802.1p, Port-based and DSCP	802.1p, Port-based and DSCP	802.1p, Port-based and DSCP
	Auto Voice VLAN			
Multicast Filtering	IGMP Snooping Version	v1, v2 and v3	v1, v2 and v3	v1, v2 and v3
Performance	Bandwidth	10 Gbps	10 Gbps	16 Gbps
	Buffer Memory	128 KB	128 KB	192 KB
	Jumbo Frames	9,216 bytes	9,216 bytes	9,720 bytes
Traffic Management	Number of 802.1q VLAN/Number of VLAN Group	64	64	32
	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	2.6W	2W (no PoE) 22W (with PoE max)	4.5W
Physical	Desktop/Rack mount	Desktop, Wall mount	Desktop, Wall mount	Desktop, Wall mount
	Metal/Plastic Enclosure	Metal	Metal	Metal
	MTBF @ 25°C	2,531,294 hrs (290 yrs)	1,685,972 hrs (193 yrs)	2,525,259 hrs (289 yrs)
	Fan(s)	None	None	None
	Acoustic Noise at 25°C	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)
	Weight	0.25 kg (0.55 lb)	0.49 kg (1.08 lb)	0.50 kg (1.10 lb)
Electromagnetic Compliance	Class (A or B)	B	B	B
Warranty Hardware*		Lifetime* Limited	Lifetime* Limited	Lifetime* Limited
Warranty Power Supply		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

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 (Power-over-Ethernet)	PoE+ (30W) 802.3at Ports			4	4
	Total PoE/PoE+ Budget			63W	120W
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/Rack mount	Desktop, Wall mount	Desktop, Wall mount	Desktop, Wall mount	Desktop, Wall mount
	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

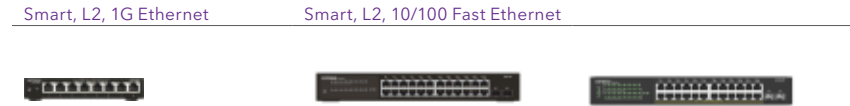| MODEL		GS308EP	GS308EPP	GS316EP	GS316EPP
Port Configuration	10M/100M/1G RJ45 Copper Ports (Auto Uplink)	8	8	16	16
PoE (Power-over-Ethernet)	PoE+ (30W) 802.3at Ports			15	15
	Total PoE/PoE+ Budget	62W	123W	180W* (FlexPoE)	231W
Scalability	# MAC Addresses	4K	4K	4K	4K
	Dynamic MAC	✓	✓	✓	✓
System Management	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/Rack mount	Desktop, Wall mount	Desktop, Wall mount	Desktop, Wall mount	Desktop, Wall mount
	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

*FlexPoE power budgets can be increased by purchasing an optional, higher-powered NETGEAR Power Adapter upgrade.

Plus Switches

		Plus, L2, Gigabit with 10G/ Multi-Gig Uplinks	Smart Managed Plus, L2, Multi-Gig	Plus, L2, 10G/Multigig	
MODEL		**GS110EMX**	**MS108EUP**	**XS512EM**	**XS724EM**
Port Configuration	10M/100M/1G RJ45 Copper Ports (Auto Uplink)	8			
	1G/2.5GBASE-T RJ45 Copper Ports (Auto Uplink)		8		
	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)
PoE (Power-over-Ethernet)	PoE+ (30W) 802.3at Ports		4		
	Ultra60 PoE++(60W) 802.3bt Ports		4		
	Total PoE Budget (Watt)		230W		
Scalability	# MAC Addresses	16K	16K	32K	32K
	Dynamic MAC	✓	✓	✓	✓
System Management	Single IP Management	✓	✓	✓	✓
	Web Managed/GUI	✓	✓	✓	✓
	DHCP (Client/Server)	DHCP Client	DHCP Client	DHCP Client	DHCP Client
	Port Mirroring	Many-to-One	One-to-One	Many-to-One	Many-to-One
Quality of Service	Number of Priority Queues	8	8	8	8
	Traffic Prioritization	802.1p, Port-based (CoS)	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	v1, v2 and v3
Performance	Bandwidth	56 Gbps	40 Gbps	240 Gbps	480 Gbps
	Buffer Memory	2 MB	1.5 MB	3 MB	3 MB
	Jumbo Frames	10,240 bytes	12,000 bytes	9,216 bytes	9,216 bytes
Traffic Management	Number of 802.1q VLAN/Number of VLAN Group	64	64	64	64
	Port Trunking/Link Aggregation (Manual Static LAGs)	Static, LACP	Static, LACP	Static, LACP	Static, LACP
	Rate Limiting	✓	✓	✓	✓
	Broadcast Storm Control	✓	✓	✓	✓
Energy Efficiency	IEEE 802.3az	✓	✓	✓	✓
	Auto Port Power Down	✓	✓		
	Dynamic Power Consumption	✓	✓		
	Max Power Consumption	15.6W	16.58W(no PoE) 270.5W(with PoE MAX)	75.6W	150.5W
Physical	Desktop/Rack mount	Desktop, Rack mount	Desktop, Rack mount	Desktop, Rack mount	Desktop, Rack mount
	Metal/Plastic Enclosure	Metal	Metal	Metal	Metal
	MTBF @ 25°C	1,572,337 hrs (180 yrs)	373,643.7 hrs (42.62 yrs)	1,113,477 hrs (127 yrs)	830,493 hrs (95 yrs)
	Fan(s)	None	None	2	3
	Acoustic Noise at 25°C	0dB	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)	210 x 140 x 40 mm (8.27 x 5.51 x 1.58 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)	0.90 kg (1.98 lb)	2.51 kg (5.54 lb)	3.72 kg (8.20 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	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	PMB0312 PMB0332 PMB0352	PMB0S12 PMB0S32 PMB0S52	PMB0312 PMB0332 PMB0352

Smart Switches

		Smart, L2, 1G Ethernet	Smart, L2, 10/100 Fast Ethernet	
MODEL		**GS308T**	**GS324T**	**GS324TP**
Port Configuration	10/100 RJ45 Ports (Auto Uplink)			
	10/100/1000 RJ45 Ports (Auto Uplink)	8	24	24
	Fiber Ports		2 SFP	2 SFP
	10Gig Module Bays			
PoE (Power-over-Ethernet)	PoE (15.4W) 802.3af Ports			
	PoE+ (30W) 802.3at Ports			24
	Total PoE Budget			190W
Scalability	# MAC Addresses	8000	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	8	4	4
	Traffic Prioritization	802.1p, DSCP,TCP/UDP Diffserv	802.1p, DSCP, Diffserv	802.1p, DSCP, Diffserv
	Auto Voice VLAN	✓	✓	✓
Multicast Filtering	IGMP Snooping Version	v1, v2, v3	v1, v2, v3	v1, v2, v3
	IGMP Snooping Querier	✓	✓	✓
Performance	Bandwidth	16 Gbps	52 Gbps	52 Gbps
	Buffer Memory	512 KB Per Unit	512 KB Per Unit	512 KB Per Unit
	Jumbo Frames	10,000	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	6.4 Watts	13.5 Watts	16.3 Watts without PoE 229.9 Watts with PoE Max
Physical	Desktop/Rack mount	Desktop	Rack mount	Rack mount
	Metal/Plastic Enclosure	Metal	Metal	Metal
	MTBF @ 25°C	2,957,592 hrs (337 yrs)	1,999,946.7 hrs (228 yrs)	1,328,429.4 hrs (152 yrs)
	Fan(s)	None	None	2
	Acoustic Noise @ 25°C	0 dBA	0 dBA	32.8 dBA
	Width x Depth x Height	158 x 101 x 30 mm (6.2 x 4.0 x 1.2 in)	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)
	Weight	0.41kg (0.9 lb)	1.62 kg (3.57 lb)	2.69 kg (5.93 lb)
Electromagnetic Compliance	Class (A or B)	B	B	B
Warranty Hardware*		5 year	5 year	5 year
Warranty Power Supply		2 year	5 year	5 year
Modules			AGM731F AGM732F AGM734	AGM731F AGM732F AGM734
ProSUPPORT Maintenance PKGS***	OnCall 24x7 3-year	PMB0S11 PMB0S31 PMB0S51	PMB0S12 PMB0S32 PMB0S52	PMB0311 PMB0331 PMB0351

Smart Switches

Smart, L2+ with static routing, Gigabit

MODEL		GS510TLP	GS510TPP	GS724Tv4
Port Configuration	10/100/1000 RJ45 Ports (Auto Uplink)	8	8	24
	Fiber Ports	2	2	2 dedicated SFP
PoE (Power-over-Ethernet)	PoE (15.4W) 802.3af Ports			
	PoE+ (30W) 802.3at Ports	8	8	
	Total PoE Budget	75W	190W	
Scalability	# MAC Addresses	16K	16K	16,000
	ARP Table - Size of	479	479	512
	# 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	Yes	Yes	1,2,3,9
	DHCP (Client/Server)	Client	Client	Client
	Port Mirroring	Yes	Yes	Many-to-One
	IPv6 full set	Yes	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	20 Gbps	20 Gbps	48 Gbps
	Buffer Memory	1.5 MB per system	1.5 MB per system	2 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, TCP	MAC, IP, TCP	MAC, IP
	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	101W	225W	17.4W
Physical	Desktop/Rack mount	Desktop/Rack mount	Desktop/Rack mount	Rack mount
	Metal/Plastic Enclosure	Metal	Metal	Metal
	MTBF @ 25°C	913,368 hrs (104 yrs)	1,509,979 hrs (172 yrs)	567,680 hrs (65 yrs)
	Fan(s)	None	1	None
	Acoustic Noise @ 25°C	0dBA	32dBA	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)	440 x 204 x 43 mm (1.7 x 17.3 x 8.0 in)
	Weight	1.74 kg (3.84 lb)	1.83 kg (4.03 lb)	2.87 kg (6.33 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/AGM734	AGM731F/AGM732F/AGM734
ProSUPPORT Maintenance PKGS	OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year	PMB0512 PMB0532 PMB0SS2	PMB0311 PMB0331 PMB0351	PMB0311 PMB0331 PMB0351

Smart Switches

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

MODEL		GS748Tv5	MS510TXPP
Port Configuration	10/100 RJ45 Ports (Auto Uplink)		N/A
	10/100/1000 RJ45 Ports (Auto Uplink)	48	4x1G/2x2.5G/ 2x5G/1x10GBASE-T
	Fiber Ports	2 dedicated and 2 combo SFP	1 SFP+ (10G)
PoE (Power-over-Ethernet)	PoE (15.4W) 802.3af Ports		
	PoE+ (30W) 802.3at Ports		8
	Total PoE Budget		180W
Scalability	# MAC Addresses	16,000	16,000
	ARP Table - Size of	512	512
	# Routing Entries	32	32
	# ACL Rules	100	164
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/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, 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	100 Gbps	78 Gbps
	Buffer Memory	2 MB Per System	1.5 MB Per System
	Jumbo Frames	9,216	10,240
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, TCP
	SSL/SSH & HTTPS	SSL/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	41.1W	234.31W
Physical	Desktop/Rack mount	Rack mount	Desktop/Rack mount
	Metal/Plastic Enclosure	Metal	Metal
	MTBF @ 25°C	390,728 hrs (45 yrs)	376,434 hrs (43 yrs)
	Fan(s)	2	1
	Acoustic Noise @ 25°C	37.2dBA	28.8dBA
	Width x Depth x Height	440 x 257 x 43 mm (17.3 x 10.1 x 1.7 in)	328 x 169 x 43 mm (12.9 x 6.7 x 1.7 in)
	Weight	3.46 kg (7.63 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 (for combo port only)	AGM731F/AGM732F/AGM734/ AXM761/AXM762/AXM764/ AXC761/AXC763
ProSUPPORT Maintenance PKGS	OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year	PMB0311 PMB0331 PMB0351	PMB0312 PMB0332 PMB0352

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Smart Switches

Smart, L2+ with static routing, 10-Gigabit

MODEL		XS728T	XS748T
Port Configuration	10/100 RJ45 Ports (Auto Uplink)		
	10/100/1000 RJ45 Ports (Auto Uplink)	24 10GBASE-T	44 10GBASE-T
	Fiber Ports	4 SFP+ (10G)	4 SFP+ (10G)
PoE (Power-over-Ethernet)	PoE (15.4W) 802.3af Ports		
	PoE+ (30W) 802.3at Ports		
	Total PoE Budget		
Scalability	# MAC Addresses	32,000	32,000
	ARP Table – Size of	1,024	1,024
	# Routing Entries	64	64
	# ACL Rules	164	164
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/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	560 Gbps	960 Gbps
	Buffer Memory	3 MB Per System	3 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		
Traffic Management	Number of 802.1q VLAN/Number of VLAN Group	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
	SSL/SSH & 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	134.9W	262.8W
Physical	Desktop/Rack mount	Rack mount	Rack mount
	Metal/Plastic Enclosure	Metal	Metal
	MTBF @ 25°C	514,977 hrs (59 yrs)	483,808 hrs (55 yrs)
	Fan(s)	4	4
	Acoustic Noise @ 25°C	41.6dBA	47.8dBA
	Width x Depth x Height	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	5.04 kg (11.11 lb)	6.25 kg (13.78 lb)
Electromagnetic Compliance	Class (A or B)	A	A
Warranty Hardware		Lifetime	Lifetime
Warranty Power Supply		Lifetime	Lifetime
Modules		AGM731F/AGM732F/AGM734/ AXM761/AXM762/AXM763/AXM764 AXC761/AXC763	AGM731F/AGM732F/AGM734/ AXM761/AXM762/AXM763/AXM764 AXC761/AXC763
ProSUPPORT Maintenance PKGS	OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year	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
Port Configuration	10/100 RJ45 Ports (Auto Uplink)		
	10/100/1000 RJ45 Ports (Auto Uplink)	8	8
	Fiber Ports		2 SFP
PoE (Power-over-Ethernet)	PoE (15.4W) 802.3af Ports		
	PoE+ (30W) 802.3at Ports		8
	Ultra60 PoE++ (60W) 802.3bt Ports		
	Total PoE Budget		55W
	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	✔	✔
	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 and Wireless Access Points	✔	✔
	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	16 Gbps	20 Gbps
	Buffer Memory	512 KB Per Unit	512 KB Per Unit
	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	MAC, IP
	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	5.75 Watts if powered by PoE via port 5.5 Watts (DC)	69.5W (with PoE max)
Physical	Desktop/Rack mount	Desktop	Desktop
	Metal/Plastic Enclosure	Metal	Metal
	MTBF @ 25°C	2,388,657 hrs (273 yrs)	1,200,041 hrs (137 yrs)
	Fan(s)	None	None
	Acoustic Noise @ 25°C	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)
	Weight	0.43 kg (0.94 lb)	0.61 kg (1.34 lb)
Electromagnetic Compliance	Class (A or B)	B	B
Warranty Hardware		Lifetime	Lifetime
Warranty Power Supply		2 yrs	2 yrs
Modules			AGM731F/AGM732F/AGM734/ AXM765 (1G mode only)
ProSUPPORT Maintenance PKGS	On Call 3-year 24 x 7	PMB0S11 PMB0S31 PMB0S51	PMB0S12 PMB0S32 PMB0S52

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)	PoE (15.4W) 802.3af Ports		
	PoE+ (30W) 802.3at Ports	24	24
	Ultra60 PoE++ (60W) 802.3bt Ports		
	Total PoE Budget	190W	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 and Wireless Access Points	✓	✓
	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/Rack mount	Rack mount	Rack mount
	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	
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	PMB0311 PMB0331 PMB0351	PMB0311 PMB0331 PMB0351

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)	PoE (15.4W) 802.3af Ports		
	PoE+ (30W) 802.3at Ports	24	24
	Total PoE Budget	190W	380W
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, and Wireless Access Points	✓	✓
	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/Rack mount	Rack mount	Rack mount
	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	PMB0311 PMB0331 PMB0351	PMB0311 PMB0331 PMB0351

† 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)	48	48
	Fiber Ports	4 dedicated SFP	4 dedicated SFP
PoE (Power-over-Ethernet)	PoE (15.4W) 802.3af Ports		
	PoE+ (30W) 802.3at Ports	48	48
	Total PoE Budget	380W	760W
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 and Wireless Access Points	✓	✓
	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/Rack mount	Rack mount	Rack mount
	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	PMB0312 PMB0332 PMB0352	PMB0312 PMB0332 PMB0352

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)	PoE (15.4W) 802.3af Ports		
	PoE+ (30W) 802.3at Ports		
	Ultra60 PoE++ (60W) 802.3bt Ports		8
	Total PoE Budget		275W
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 and Wireless Access Points	✓	✓
	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/Rack mount	Rack mount	Rack mount
	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	PMB0311 PMB0331 PMB0351	PMB0311 PMB0331 PMB0351

Fully Managed Switches

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

MODEL		M4250-9G1F-POE+ GSM4210PD	M4250-8G2XF-POE GSM4210PX	M4250-10G2F-POE+ (GSM4212P)	M4250-10G2XF-POE+ (GSM4212PX)
Port Configuration	10/100 RJ45 Ports (Auto Uplink)				
	10/100/1000 RJ45 Ports (Auto Uplink)	9	8	10	10
	Fiber Ports	1 SFP	2 SFP+ (10G)	2 SFP	2 SFP+ (10G)
PoE (Power-over-Ethernet)	PoE (15.4W) 802.3af Ports				
	PoE+ (30W) 802.3at Ports	8	8	8	8
	Total PoE Budget	110W	220W	125W	240W
Scalability	# MAC Addresses	16,000	16,000	16,000	16,000
	ARP Table – Size of	4,096	4,096	4,096	4,096
	# Routing Entries	894	894	894	894
	# ACL Rules	16,384 (ingress, egress)	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	IT GUI, AV 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	24 Gbps	24 Gbps	24 Gbps	60 Gbps
	Buffer Memory	16Mb	16Mb	16Mb	16 Mb
	Jumbo Frames	12,270	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	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	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	RIP v1, v2
	IPv6 Static Routing, IPv6 OSPFv3	Static Routing	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	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	132.3W	132.3W	163.9W	306.4W
Physical	Desktop/Rack mount	Desktop	Desktop	R (reversible)	R (reversible)
	Metal/Plastic Enclosure	M	M	M	M
	MTBF @ 25°C	1,020,808 hours	1,484,652 hours	778,769 hours	576,889 hours
	Fan(s)	Fanless	Side to side	Side to side	Side to side
	Acoustic Noise @ 25°C	Fanless	Fanless, Quiet mode (19.3dBA) or Cool mode (35.3dBA)	Fanless, Quiet mode (27.38dBA) or Cool mode (55dBA)	Fanless, Quiet mode (27.38dBA) or Cool mode (55dBA)
	Width x Depth x Height	210 x 140 x 40 (8.27 x 5.51 x 1.57 in)	210 x 140 x 40 (8.27 x 5.51 x 1.57 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	0.965 kg (2.12 lb)	0.967 kg (2.13 lb)	2.850 kg (6.28 lb)	2.900 kg (6.39 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		AGM731/AGM732/AGM734	AGM731/AGM732/AGM734/ AXM764/AXM765v2/AXC761/ AXC765/AXC7610/AXC7620	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	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)	PoE (15W) 802.3af Ports	4		
	Ultra90 PoE++ (90W) 802.3bt Ports	4		
	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	60 Gbps	100 Gbps	320 Gbps
	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/Rack mount	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 (Power-over-Ethernet)	PoE (15.4W) 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	60 Gbps	132 Gbps	60 Gbps
	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/Rack mount	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 (Power-over-Ethernet)	PoE (15.4W) 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	96 Gbps	240 Gbps	240 Gbps
	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/Rack mount	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)	PoE (15.4W) 802.3af Ports		
	PoE+ (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/Rack mount	Rack mount	Rack mount
	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-Ethernet)	PoE (15.4W) 802.3af Ports		
	PoE+ (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/Rack mount	Rack mount	Rack mount
	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-Ethernet)	PoE (15.4W) 802.3af Ports				
	PoE+ (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	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	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/Rack mount	Rack mount	Rack mount	Rack mount	Rack mount
	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 (XSM4348FS)	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)	PoE (15.4W) 802.3af Ports				
	PoE+ (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/Rack mount	Rack mount	Rack mount	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 Switches

MODEL		Fully Managed, M4300 series (L3), Gigabit and 10-Gigabit M4300-96X (XSM4396K0 OR K1)	Fully Managed, M4500 series (L3), 10, 25, 50 and 100-Gigabit M4500-32C (CSM4532)	M4500-48XF8C (XSM4556)
Port Configuration	10/100/1000 RJ45 Ports (Auto Uplink)	Up to 96 10GBASE-T		
	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)	PoE (15.4W) 802.3af Ports			
	PoE+ (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/Rack mount	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 508 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

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

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

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

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

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

Pro WiFi 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

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.

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.

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).

NETGEAR BUSINESS ESSENTIALS ACCESS POINTS PORTFOLIO

	WAX214	WAX218
Typical Deployment	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
Dual Band	Concurrent	Concurrent
Max # of Concurrent Clients (standalone)	128	256
# of Ethernet Ports	1	1
PoE	✓	✓
Mounting Options	Ceiling/ Wall mount	Ceiling/ Wall mount
# of SSIDs	4	4

Business Essentials

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 1.8 Gbps (600Mbps at 2.4GHz and 1200Mbps at 5GHz).

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 3.6 Gbps (1200Mbps at 2.4GHz and 2400Mbps at 5GHz).

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 3000 sq. ft. per unit
- 2.5 Gbps 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" through our Insight Remote Management application. Experience easy set-up, remote management and full control of your wireless network. With over 25 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 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.
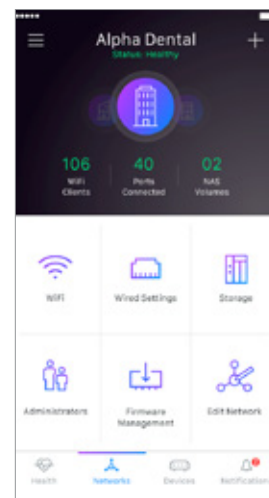
WIRED/WIRELESS DASHBOARD   DETAILED CLIENT STATISTICS   WIRED AND WIRELESS DATA
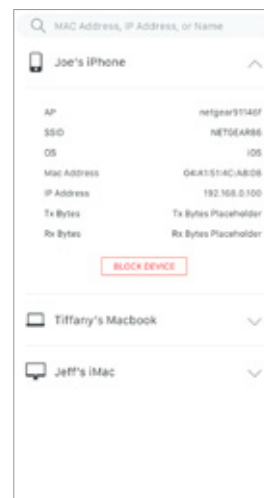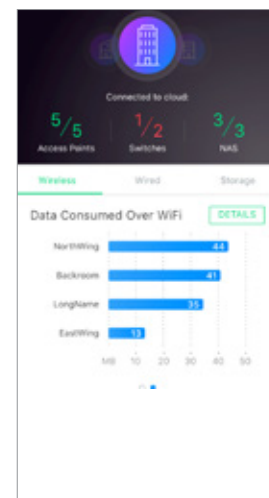
WiFi 6E

It is estimated that WiFi capacity worldwide will double in 2022, to keep pace with the explosion of online traffic and the number of connected devices, there is a new type of WiFi in town, WiFi 6E. This breakthrough in network capacity means that a much larger volume of devices can be connected via wireless, even in very dense usage areas, without compromising performance.

With WiFi 6E, there is less competition and interference between WiFi equipment, dramatically reduced network congestion, as well as smoother, faster connectivity without worrying about everything freezing or slowing down. This new industry standard builds on the existing WiFi 6 standard (the 'E' stands for extended), taking it into the much wider 6GHz radio spectrum. Nothing else operates on 6GHz: no other WiFi standards, no radar airports, nearby TV stations, nothing.

WiFi 6E Applications

• High density, high volume – lots of users and connected devices nearby needing WiFi

• WiFi 6E Devices - Samsung Galaxy S21 Ultra, Google Pixel 6 and Pixel 6 Pro, Intel Xeon, Windows 11, Galaxy Z Fold 3 5G

• Collaboration and video conferencing – consistent access is essential to the user experience

WiFi 6E and NETGEAR

The industry's first Tri-Band WiFi 6E access point for SMBs, WAX630E, delivers up to 7.8 Gbps, by combining speeds across those three bands. It is also designed to take advantage of multi-gigabit connectivity (2.5GbE), leading to better streaming, conferencing, and collaboration.

The WiFi 6 difference

Increased speed, coverage, and capacity for today's WiFi demands
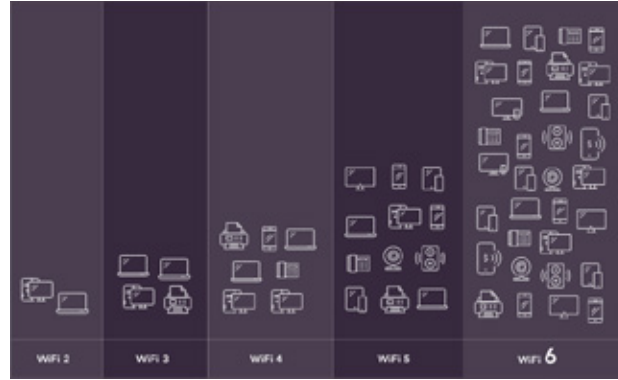
Speed
Up to 70% faster speeds on both bands

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

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

WAX610

Perfect for high density client environments such as schools, hotels, restaurants and conference centers with speeds up to 1.8 Gbps. 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.

WAX615

The NETGEAR Insight Managed dual-band WiFi 6 Release 2 AX3000 access point WAX615 is a business grade Cloud Managed 11ax access point featuring 160MHz channelization, MU-MIMO, Beamforming and Airtime fairness with an aggregate throughput of 3 Gbps, and Power-over-Ethernet (PoE).

WAX620

WAX620 is a high-performance dual band 4x4 WiFi 6 access point with speeds up to 3.6 Gbps. It provides enterprise grade WiFi network security combined with Insight management that allows it to immediately integrate with your current NETGEAR Insight managed switches.

WAX630

WAX630 is a superior tri-band WiFi 6 access point with fast and reliable speeds up to 6.0 Gbps. It provides enterprise grade WiFi network security combined with Insight management that allows it to immediately integrate with your current NETGEAR Insight managed switches.

WAX630E

NETGEAR Insight Managed Wireless Access Point WAX630E is the first business-grade Tri-Band WiFi 6E access point. With WiFi 6E, a new 6GHz band has been added to WiFi 6 making it the fastest WiFi available.

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.
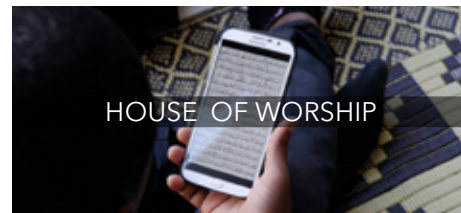
HOUSE OF WORSHIP

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.
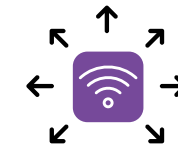
Pro WiFi Design Services

From a small business to a multi-level, luxury estate, our team of experts are standing by to help.
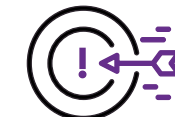
SITE SURVEY

Maximize WiFi signals throughout the installation area with a performance-centered site survey.

PRODUCT SELECTION

Get the right access points you need for your installation.

TROUBLESHOOTING

Solve any problems in the moment, on-site with a direct line to NETGEAR engineers.

TRAINING AND SUPPORT

Learn from the experts through pre-installation training, post-installation support and every solution in between.

Get started today! Simply send an email to: ProWiFiDesign@netgear.com

Wireless Access Points

Business Essentials

MODEL	WAC104	WAX214	WAX218
Product Description	Dual Band 802.11ac Wireless Access Point	WiFi 6 AX1800 PoE Access Point	WiFi 6 AX3600 PoE Access Point
Typical Deployment	High performance small and home office	Micro businesses, health clinics, small hotels	Small businesses, health clinics, work shops
WIRELESS			
Standard	802.11ac	802.11b/g/n/ac/ax	802.11b/g/n/ac/ax
Dual Band	concurrent	Concurrent	Concurrent
2.4 GHz	✓	✓	✓
5 GHz	✓	✓	✓
TX by Rv	2 x 2 (2.4GHz)	2 x 2	2 x 2
Throughput per Radio	300Mbps @ 2.4GHz 867Mbps @5.0GHz	600Mbps @ 2.4GHz 1200Mbps @ 5GHz	1200Mbps @ 2.4GHz 2400Mbps @ 5GHz
Max # of Concurrent Clients (standalone)	24		
Max # of Clients		128	256
HARDWARE			
# of Ethernet Ports	4+1 (LAN, WAN)	1	1
Speed of Ethernet Ports	10/100/1000 Mbps	1 Gbps	2.5 Gbps
PoE		✓	✓
Antenna Type	External	Internal	Internal
Antenna Gain	3dBi	3dBi (2.4GHz) 3dBi (5GHz)	5dBi (2.4GHz) 5dBi (5GHz)
Physical Size	240 x 181 x 41 mm	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		Ceiling/wall-mount	Ceiling/wall-mount
Enclosure Material	Plastic		
Ceiling/Wall Mounting	✓		
Power Consumptions (W) Max	8.1W		
MANAGEMENT			
Deployment Options	Standalone	Local admin	Local admin
FEATURES			
# of SSIDs	1	4	4
WEP	✓	✓	✓
WPA-PSK/TKIP	✓	✓	✓
WPA2-PSK/AES	✓	✓	✓
WPA3-Personal[SAE]		✓	✓
WIDS/WIPS		✓	✓
Wireless Distribution Systems	✓		
Point-to-Point/Multi-Point	✓		
Simultaneous Bridge/Client Association	✓		
VLANs		✓	✓
MAC ACL	✓	✓	✓
802.11e/WMM	✓	✓	✓
Bandsteering	✓	✓	✓
ORDERING			
Warranty	3 years	3 years	3 years
Product Ordering SKU	WAC104-100NAS WAC104-100AUS WAC104-100PES WAC104-100UKS WAC104-100INS	WAX214-100NAS WAX214PA-100NAS WAX214-100EUS	WAX218-100NAS WAX218PA-100NAS WAX218-100EUS
ProSUPPORT Maintenance PKGS			
OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year	PMB0S11 PMB0S31 PMB0S51	PMB0S12 PMB0S32 PMB0S52	PMB0311 PMB0331 PMB0351

Wireless Access Points

Insight Managed Access Points

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

Wireless Access Points

Insight Managed Access Points

MODEL	WAX610	WAX610Y	WAX615
Product Description	Insight Managed WiFi 6 AX1800 Dual Band AP	Insight Managed WiFi 6 AX1800 Dual Band Outdoor PoE AP	Insight Managed WiFi 6 AX3000 Dual Band AP
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
WIRELESS			
Standard	802.11 a/g/n/ac/ax	802.11 a/g/n/ac/ax	802.11 a/g/n/ac/ax
Single Band			
Dual Band	✓	✓	✓
Tri-Band			
2.4 GHz	✓	✓	✓
5 GHz	✓	✓	✓
6 GHz			
TX by Rv	2 x 2	2 x 2	2 x 2
Throughput per Radio	600/1200 Mbps	600/1200 Mbps	600/2400 Mbps
Max # of Concurrent Clients (standalone)	30	30	60
Max # of Concurrent Clients (managed)	250	250	256
HARDWARE			
# of Ethernet Ports	1	1	1
Speed of Ethernet Ports	100/1000/2500 Mbps	100/1000/2500 Mbps	100/1000/2500Mbps
PoE	✓	✓	✓
Antenna Type	Internal	Internal	Internal
Antenna Gain	Internal 3.8/4.5dBi (2.4GHz/5GHz	Internal 3.8/4.5dBi (2.4GHz/5GHz)	Internal 2.9/2.8dBi (2.4GHz/5GHz)
Additional External Antenna Connectors	No	No	No
Plenum		IP55	
Physical Size	160.9 x 160.9 x 33.25 mm	181 x 305 x 34 mm	241.5 x 241.5 x 40.2mm
Enclosure Material	Plastic Front/Metal Back	Plastic	Plastic Front/Metal Back
Kensington Lock			
Ceiling/Wall Mounting	Wall, Ceiling	Wall, ceiling, and pole mounting	Wall, Ceiling
Power Consumptions (W) Max	15.3W	16.1W	21.2W
MANAGEMENT			
Deployment Options	Standalone/Insight	Standalone/Insight	Standalone/Insight
FEATURES			
# of SSIDs	8	8	8
WEP			
WPA-PSK/TKIP	✓	✓	✓
WPA2-PSK/AES	✓	✓	✓
WPA3-Personal[SAE]	✓	✓	✓
802.1X	✓	✓	✓
Rogue AP Detection	No	No	No
WIDS/WIPS	No	No	No
Wireless Distribution Systems (WDS)	✓	✓	✓
Repeater	✓	✓	✓
Point-to-Point/Multi-Point	✓	✓	✓
Simultaneous Bridge /Client Association	✓	✓	✓
Captive Portal	Yes	Yes	Yes
VLANs	✓	✓	✓
MAC ACL	✓	✓	✓
802.11e/WMM	✓	✓	✓
Rate Limiting	✓	✓	✓
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	WAX615-100NAS WAX615-100EUS WAX615PA-100NAS
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	

Wireless Access Points

Insight Managed Access Points

MODEL	WAX620	WAX625	WAX630	WAX630E
Product Description	Insight Managed WiFi 6 AX3600 Dual-Band AP	Insight Managed WiFi 6 AX5400 Dual-band Multi-Gig PoE Wireless Access Point	Insight Managed WiFi 6 AX6000 Tri-Band AP	Insight Managed WiFi 6E AX7800 Tri-Band AP
Typical Deployment	Small to Mid-size customers for ease of deployment	Small to Mid-size customers for ease of deployment	Small to Mid-size customers for ease of deployment	Small to Mid-size customers for ease of deployment
WIRELESS				
Standard	802.11a/g/n/ac/ax	5.0GHz: 802.11a/n/ac/ax 2.4GHz: 802.11b/g/n/ax	802.11a/g/n/ac/ax	802.11a/g/n/ac/ax
Single Band				
Dual Band	✓	✓	✓	
Tri-Band				✓
2.4 GHz	✓	✓	✓	✓
5 GHz	✓	✓	✓	✓
6 GHz				✓
TX by Rv	4 x 4	2 x 4	4 x 4	2 x 4 x 2e
Throughput per Radio	1200/2400 Mbps	600/4800 Mbps	1200/2400/2400 Mbps	600/4800/2400 Mbps
Max # of Concurrent Clients (standalone)	75	75	100	100
Max # of Concurrent Clients (managed)	250	250	250	456
HARDWARE				
# of Ethernet Ports	1	2	2	2
Speed of Ethernet Ports	100/1000/2500Mbps	100/1000/2500Mbps and 100/1000Mbps (2 ports)	100/1000/2500Mbps and 100/1000Mbps (2 ports)	100/1000/2500Mbps and 100/1000Mbps (2 ports)
PoE	✓	✓	✓	✓
Antenna Type	Internal	Internal	Internal	Internal
Antenna Gain	3.1/4.3dBi 2.4GHz/5Ghz	2.4/2.9 dBi (2.4GHz/5GHz)	Internal 2.86/4.41/4.98 dBi (2.4GHz/5GHz L/5GHz H)	Internal 4.4/6.3/3.1dBi (2.4GHz/5GHz/6GHz)
Additional External Antenna Connectors	No	No	No	No
Plenum				
Physical Size	205.7 x 205.7 x 34.3 mm	241.5 x 241.5 x 40.2 mm	266.61 x 268.29 x 55.5 mm	266.6 x 268.3 x 55.5 mm
Enclosure Material	Plastic Front/Metal Back	Plastic Front/Metal Back	Plastic Front/Metal Back	Plastic Front/Metal Back
Kensington Lock				
Ceiling/Wall Mounting	Wall, Ceiling	Wall, Ceiling	Wall, Ceiling	Wall, Ceiling
Power Consumptions (W) Max	25.5W	21.2W	30.1W	27.64W
MANAGEMENT				
Deployment Options	Standalone/Insight	Standalone/Insight	Standalone/Insight	Standalone/Insight
FEATURES				
# of SSIDs	8	8	8	8
WEP				
WPA-PSK/TKIP	✓	✓	✓	✓
WPA2-PSK/AES	✓	✓	✓	✓
WPA3-Personal[SAE]	✓	✓	✓	✓
802.1X	✓	✓	✓	✓
Rogue AP Detection	No	No	No	No
WIDS/WIPS	No	✓	No	No
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	5 years	5 years	5 years	5 years
Product Ordering SKU	WAX620-100NAS WAX620-100EUS WAX620PA-100EUS	WAX625-100APS WAX625-100CNS WAX625-100NAS WAX625-100EUS WAX625PA-100NAS	WAX630-100NAS WAX630-100EUS WAX630PA-100NAS	WAX630E-100NAS WAX630E-100EUS WAX630EP-100NAS
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	PMB0312-10000S PMB0332-10000S PMB0352-10000S	PMB0312-10000S PMB0332-10000S PMB0352-10000S

Wireless Access Points

Wireless Mesh Systems

MODEL	SXK30	SXK50	SXK80
Product Description	AX1800 Dual-band WiFi System	AX5400 Tri-Band WiFi System	AX6000 Tri-band WiFi System
Typical Deployment	SMB business and SOHO	SMB Business	SMB business
WIRELESS			
Standard	802.11ax	802.11ax	802.11ax
Dual Band	Dual band	Tri band	Tri band
2.4 GHz	✓	✓	✓
5 GHz	✓	✓	✓
TX by Rv		Two 2x2 (5GHz)	Two 4x4 (5GHz)
Throughput per Radio	1200 + 600 (2.4GHz, 5GHz)	2402 + 2402 + 573 (5GHz, 5GHz, 2.4GHz)	2400 + 2400 + 1200 (5GHz, 5GHz, 2.4GHz)
Max # of Concurrent Clients (standalone)	40	75	100
HARDWARE			
# of Ethernet Ports	4	4	5
Speed of Ethernet Ports		4 x 10/100/1000 Mbps	1 x 1000/2500 Mbps 4 x 10/100/1000 Mbps
PoE			
Antenna Type	Two (2) high-performance antennas with high-power amplifiers		Eight (8) high-performance antennas with high-power amplifiers
Antenna Gain			3dBi (2.4GHz) 4dBi (5GHz)
Physical Size	148 x 68 x 189 mm (5.8 x 2.7 x 7.4 in)	6.5 x 2.9 x 8.8 (167mm x x 75.6mm x 224.5mm)	174 x 85 x 247 mm (6.8 x 3.3 x 9.7 in)
Enclosure Material	Plastic	Plastic	Plastic
Desktop/Wall Mounting	Desktop/Wall	Desktop/Wall	Desktop/Wall
MANAGEMENT			
Deployment Options	Standalone/Insight	Standalone/Insight	Standalone/Insight
FEATURES			
# of SSIDs	4	4	4
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		✓	✓
VLANs		✓	✓
MAC ACL		✓	✓
802.11e/WMM		✓	✓
Rate Limiting		✓	✓
Bandwidth Management		✓	✓
Beamforming	✓	✓	✓
Bandsteering		✓	✓
ORDERING			
Warranty	5 years		5 years
Product Ordering SKU	SXK30-100NAS/SXK30B3-100NAS/ SXK30B4-100NAS/SXR30-100NAS/ SXS30-100NAS		SXK80-100NAS / SXK80-100AUS SXK80-100JPS / SXK80B3-100NAS SXK80B3-100EUS / SXK80B4-100NAS SXK80B4-100EUS / SXS80-100NAS SXS80-100AUS / SXS80-100JPS
ProSUPPORT Maintenance PKGS OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year	PMB0312-10000S PMB0332-10000S PMB0352-10000S		PMP0312-10000S PMP0332-10000S PMP0352-10000S

MOBILE BROADBAND

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

TRI-BAND MESH WIFI WITH 5G OR LTE

5G or LTE Internet for entire workspace
Always-on WiFi for Internet failover
Expandable coverage with Orbi AX or 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 & 5G Home Office WiFi

Orbi 5G and 4G LTE Advanced Tri-band Mesh WiFi Router delivers fast Internet speeds from the 5G or 4G LTE mobile network. Access 5G or LTE as your primary Internet connection, or count on 5G or 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 5G or 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
	MS108UP	Limited Lifetime[1]	Y	Y	Y	Category 2
	XS505M	Limited Lifetime[1]	Y	Y	Y	Category 3
	XS508M	Limited Lifetime[1]	Y	Y	Y	Category 3
Plus SOHO Switches	GS305E	5 yr	Y	Y	N	Category S1
	GS308E	5 yr	Y	Y	N	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
	MS108EUP	Limited Lifetime[1]	Y	Y	Y	Category 2
	XS708E	Limited Lifetime[1]	Y	Y	Y	Category 1
	XS716E	Limited Lifetime[1]	Y	Y	Y	Category 2
	XS512EM	Limited Lifetime[1]	Y	Y	Y	Category 2
	XS724EM	Limited Lifetime[1]	Y	Y	Y	Category 2
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
	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

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 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 2
	MS510TXUP	Limited Lifetime[1]	Y	Y	Y	Category 2
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
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
	GSM4210PD	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]
Fully Managed Switches	GSM4210PX	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
	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

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 802.11ac Access Points	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 802.11n Access Points	WN370	Limited Lifetime[1]	Y	Y	Y	Category 1
	WND930	Limited Lifetime[1]	Y	Y	Y	Category 2
Wireless 802.11ax Access Points	WAX202	3 Yr	Y	N	N	Category S2
	WAX204	3 Yr	Y	N	N	Category S2
	WAX206	3 Yr	Y	N	N	Category S1
	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
	WAX615	5 Yr	Y	Y	Y	Category 1
	WAX620	5 Yr	Y	N	Y	Category 1
	WAX620PA	5 Yr	Y	N	Y	Category 1
	WAX625	5 Yr	Y	N	Y	Category 1
	WAX630	5 Yr	Y	N	Y	Category 2
	WAX630PA	5 Yr	Y	N	Y	Category 2
	WAX630E	5 Yr	Y	N	Y	Category 2
	WAX630EP	5 Yr	Y	N	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 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
	SXR80	5 Yr	Y	N	Y	Category 1
	SXS80	5 Yr	Y	N	Y	Category 1
	SXK50	5 Yr	Y	N	Y	Category 2
	SXK50B3	5 Yr	Y	N	Y	Category 2
	SXR50	5 Yr	Y	N	Y	Category 1
	SXS50	5 Yr	Y	N	Y	Category 1
	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

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 WiFi adapters, 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 WiFi 5, WiFi 6, and WiFi 6E 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 and WiFi 6E 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 your WiFi connections strong, throughout your home, 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 2.5 Gbps download speeds. Our Orbi Whole Home Mesh lineup has options with and without a built-in DOCSIS 3.1 Cable Model. With a piece of mind security option, all Orbi products support NETGEAR Armor™, delivering advanced cyber threat protection for your home and all your devices and making your Orbi WiFi home network even more secure.

Learn more: www.netgear.com/orbi

HOME NETWORKING PRODUCTS

WELCOME TO ULTRA-FAST, NEXT-GENERATION WIFI

WiFi 6E is the latest leap in WiFi, delivering a massive increase in speed and device capacity. It gives WiFi 6E-compatible devices VIP access to an all-new 6GHz band, where they'll experience faster WiFi and lower network congestion. With WiFi 6E, your smart home can stream 4K and 8K video, experience lag-free gaming, and enjoy interruption-free video conferencing all at once, without any impact on speed or performance.

5G: A NEW ERA SPEED AND POWER

5G delivers next-level capabilities, offering up to 10X more speed than 4G and 10x the capacity*. So it's faster, even in densely populated areas where more devices are competing for competition. The result is an unparalleled Internet experience, where even speed-intensive activities like 4K streaming and VR gaming are possible.

* 5G 10X speed and low latency claim is based on ITU vision for IMT-2020 compared to IMT-advanced

NETGEAR M6 5G WiFi 6 Mobile Router
NETGEAR M6 Pro 5G WiFi 6E Mobile Router

NEW

Introducing our latest generation of 5G mobile routers - the M6 Series for AT&T. Using the latest 5G technology by Qualcomm Snapdragon modules, combined with WiFi 6 and WiFi 6E for more speed and more bandwidth, this is the future of 5G and remote management of devices with NETGEAR Insight Pro.

Learn more: netgear.com/home/mobile-wifi/hotspots/mr6110/
netgear.com/home/mobile-wifi/hotspots/mr6500/

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. NETGEAR Mobile Routers are also remote manageable with NETGEAR Insight Pro.

Learn more: netgear.com/home/mobile-wifi/hotspots/mr5200/

NETGEAR Nighthawk M1 4G LTE Mobile Router

NETGEAR Mobile Routers elevate the secure mobile WiFi experience for your business and your teams.

The Nighthawk M1 Mobile Router is the world's first commercial Gigabit Class LTE Mobile Router to achieve maximum download speeds of 1 Gbps and provides the best Internet connection experience possible whether it is used on-the-go, at home, or during business travel. NETGEAR Mobile Routers are also remote manageable with NETGEAR Insight Pro.

Learn more: netgear.com/home/mobile-wifi/hotspots/mr1100/

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® RAXE300 Tri-Band WiFi 6E Router

Unleash ultra-fast 7.8 Gbps† speeds and experience WiFi 6E's new 6GHz "express lane" with the NETGEAR® Nighthawk® RAXE300 Tri-Band WiFi 6E Router. With eight WiFi streams and unmatched performance, the RAXE300 boosts capacity and reduces interference for smoother 4k/8K video streaming and AR/VR gaming. Your most demanding tech gets wired connections with one 2.5G and five Gigabit Ethernet ports. Sending maximum Gigabit Internet speeds across your 2,500-square-foot home, this exceptional value keeps up with everything your family does.

Learn more: netgear.com/home/wifi/routers/raxe300/

† Maximum wireless signal rate derived from IEEE® 802.11 specifications. Actual data throughput and wireless coverage will vary and be lowered by network and environmental conditions, including network traffic volume, device limitations, and building construction. NETGEAR makes no representations or warranties about this product's compatibility with future standards. Up to 7,800Mbps wireless speeds achieved when connecting to other 802.11ax 7800Mbps devices.

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/

SMART PARENTAL CONTROLS AND ARMOR
Add-in Services

NETGEAR Armor™ Powered by Bitdefender®

The all-in-one Internet security solution for your home that delivers added protection and greater peace of mind.

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NETGEAR Smart Parental Controls™

NETGEAR Smart Parental Controls™ is an easy way for parents to manage their kids' time online across their connected devices.

NETGEAR Smart Parental Controls™

Learn more: netgear.com/home/services/smart-parental-controls/