NETGEAR®
BUSINESS

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NETGEAR®
BUSINESS

Product Catalog

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

VOLUME 20 - 2

WHO IS NETGEAR?

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

MILESTONES

2003   First Smart Switch

2010   First Lightly Managed Switch

2011   First 10G Smart Switch

2014   Flexible Mounting Click Switch

2017   First App Managed Access Point

      First Fully Autonomous Cloud Management Switch

      First DIY WiFi Mesh Solution for Business

2018   AV-over-IP, SDVoE 48/96p, 10G switch

2019   First Business Instant Mesh WiFi

      First NETGEAR 100G switches

2020   First Ultra60 PoE++ Smart Pro switches

      First Cloud managed point-to-point bridge

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

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

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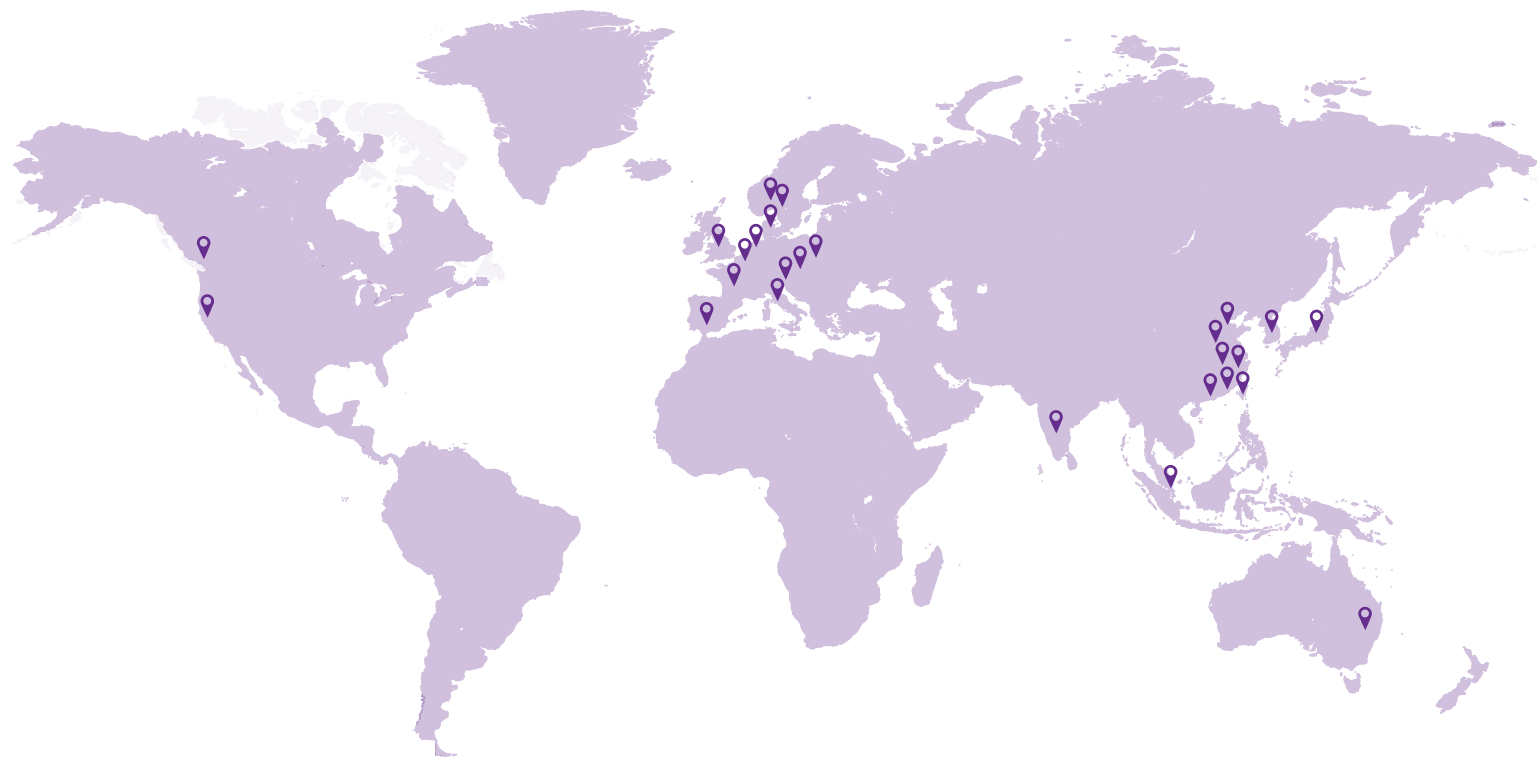
NETGEAR GLOBAL OFFICES

NORTH AMERICA

AUSTRALIA

BELGUIM

CANADA

CHINA - BEIJING

CHINA - DONGGUAN

CHINA - GUANGZHOU

CHINA - NANJING

CHINA - SHANGHAI

CHINA - SUZHOU

DENMARK

FRANCE

GERMANY

HONG KONG

INDIA

IRELAND

ITALY

JAPAN

KOREA

NETHERLANDS

POLAND

SINGAPORE

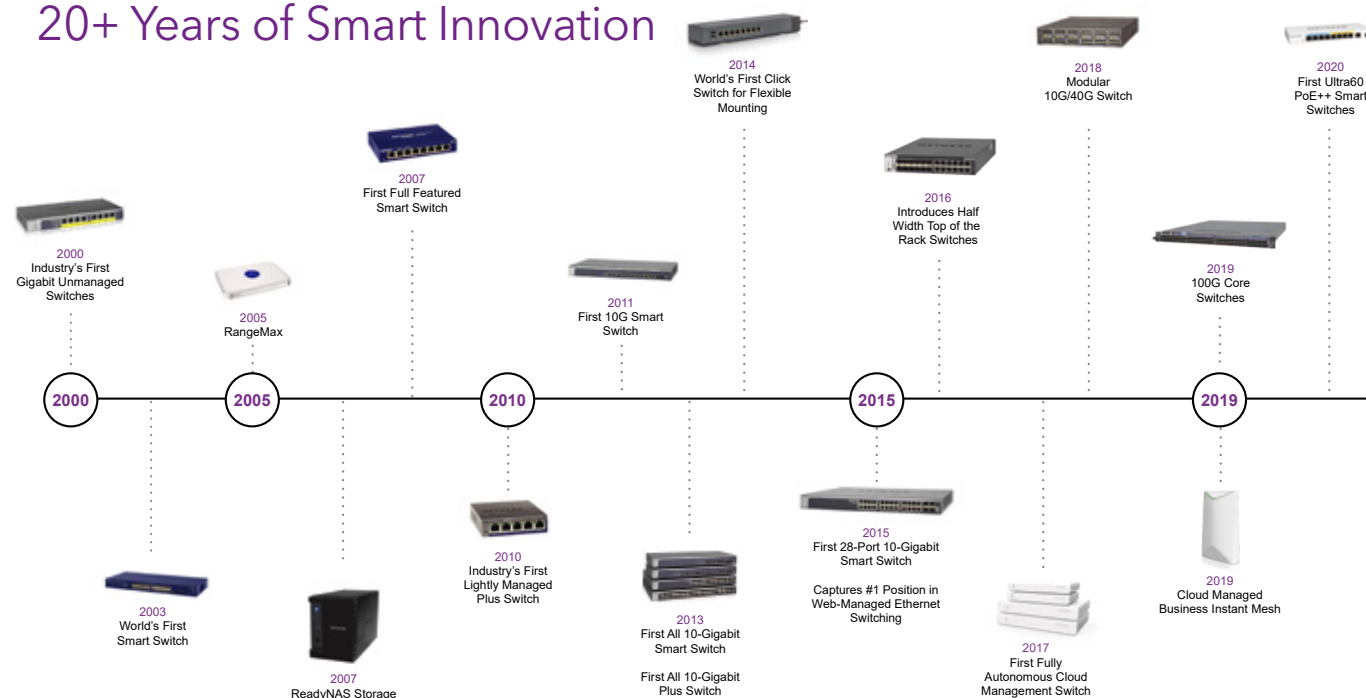SWITZERLAND

SPAIN

SWEDEN

TAIWAN

UK

Enterprise-class networking for SMB at the right price

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20+ Years of Smart Innovation

2000 Industry's First Gigabit Unmanaged Switches

2005 RangeMax

2003 World's First Smart Switch

2007 ReadyNAS Storage

2007 First Full Featured Smart Switch

2011 First 10G Smart Switch

2010 Industry's First Lightly Managed Plus Switch

2013 First All 10-Gigabit Smart Switch

First All 10-Gigabit Plus Switch

2014 World's First Click Switch for Flexible Mounting

2016 Introduces Half Width Top of the Rack Switches

2015 First 28-Port 10-Gigabit Smart Switch

Captures #1 Position in Web-Managed Ethernet Switching

2017 First Fully Autonomous Cloud Management Switch

2018 Modular 10G/40G Switch

2019 100G Core Switches

2019 Cloud Managed Business Instant Mesh

2020 First Ultra60 PoE++ Smart Switches

2000 — 2005 — 2010 — 2015 — 2019

Brand Promise

Powerful connectivity to maximize your productivity, profitability and potential.

Industry-leading innovation

Easy to use

Modern & affordable

INDUSTRY-LEADING EFFICIENT NETWORKING

Flip the switch on costly problems.

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

Powerful WiFi with ease.

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

Defend your data.

This is a data-driven world. All companies use data for different aspects of their business. Without exception, data backup is part of any operational plan and every business continuity plan. If you are looking for a data backup solution, ReadyNAS is affordable, but highly scalable with enterprise class reliability and security.

See your network in a whole new way.

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

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

Connection Setup

Physical Connection

Management Connection

Offsite Location

ReadyNAS 424 Network Storage

Insight Cloud Management

INTERNET

Wireless LAN

ReadyDR

Orbi Pro Satellite

Orbi Pro Router

ReadyNAS Network Storage

FastLane3 Dedicated Wireless Backhaul

Insight Managed Smart Cloud PoE+ Switch

Wired LAN

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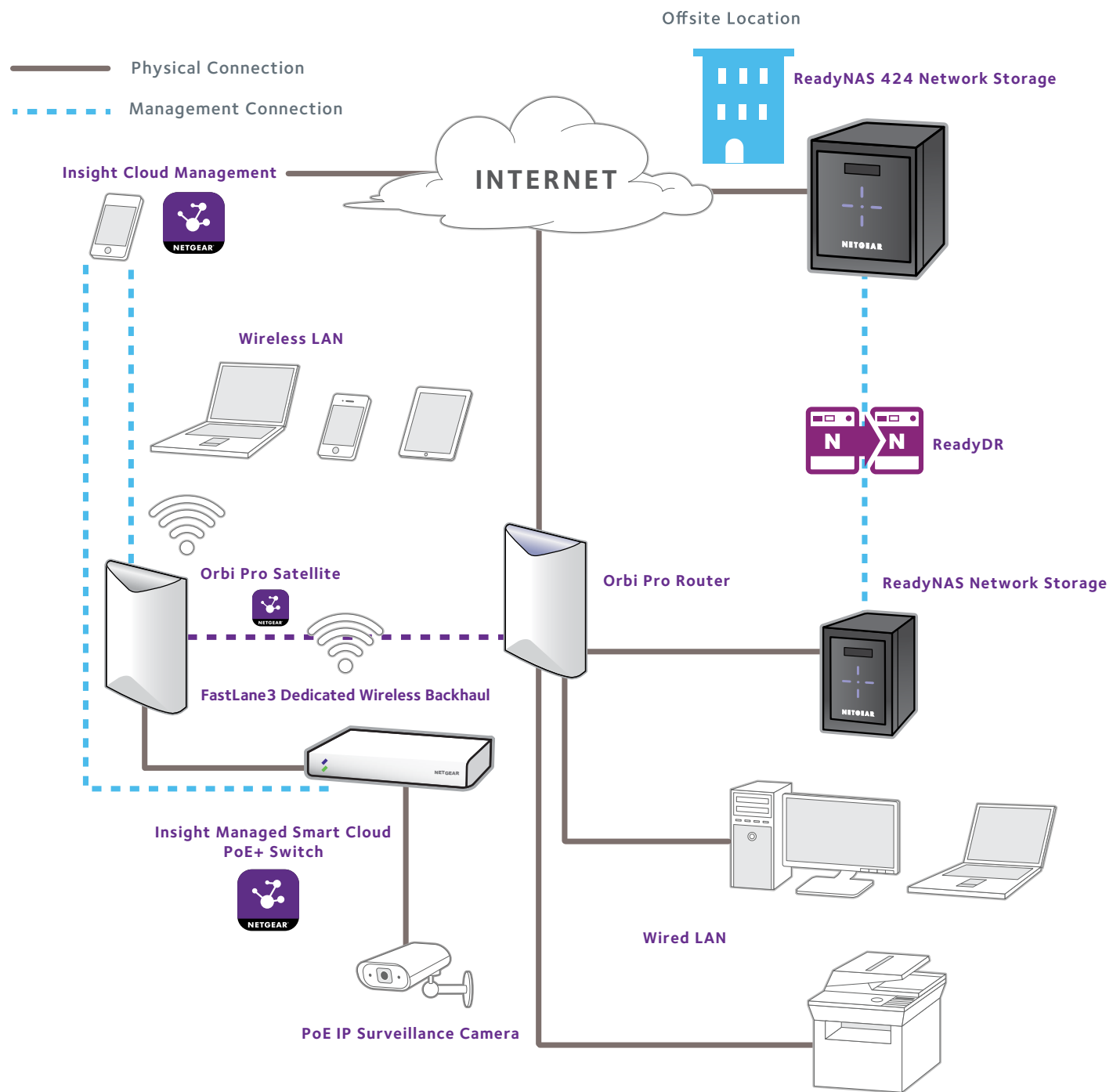
WIRED SOLUTION INSIGHT, 5-150 USERS

Connection Setup

Physical Connection

Management Connection

INTERNET

Insight Cloud Management

Offsite Location

ReadyNAS Network Storage

Firewall

ReadyDR

ProSAFE 10G Smart Switch

ReadyNAS Network Storage

Insight Managed Smart Cloud PoE+ Switch

PoE Powered Devices

PoE

Insight Mobile app

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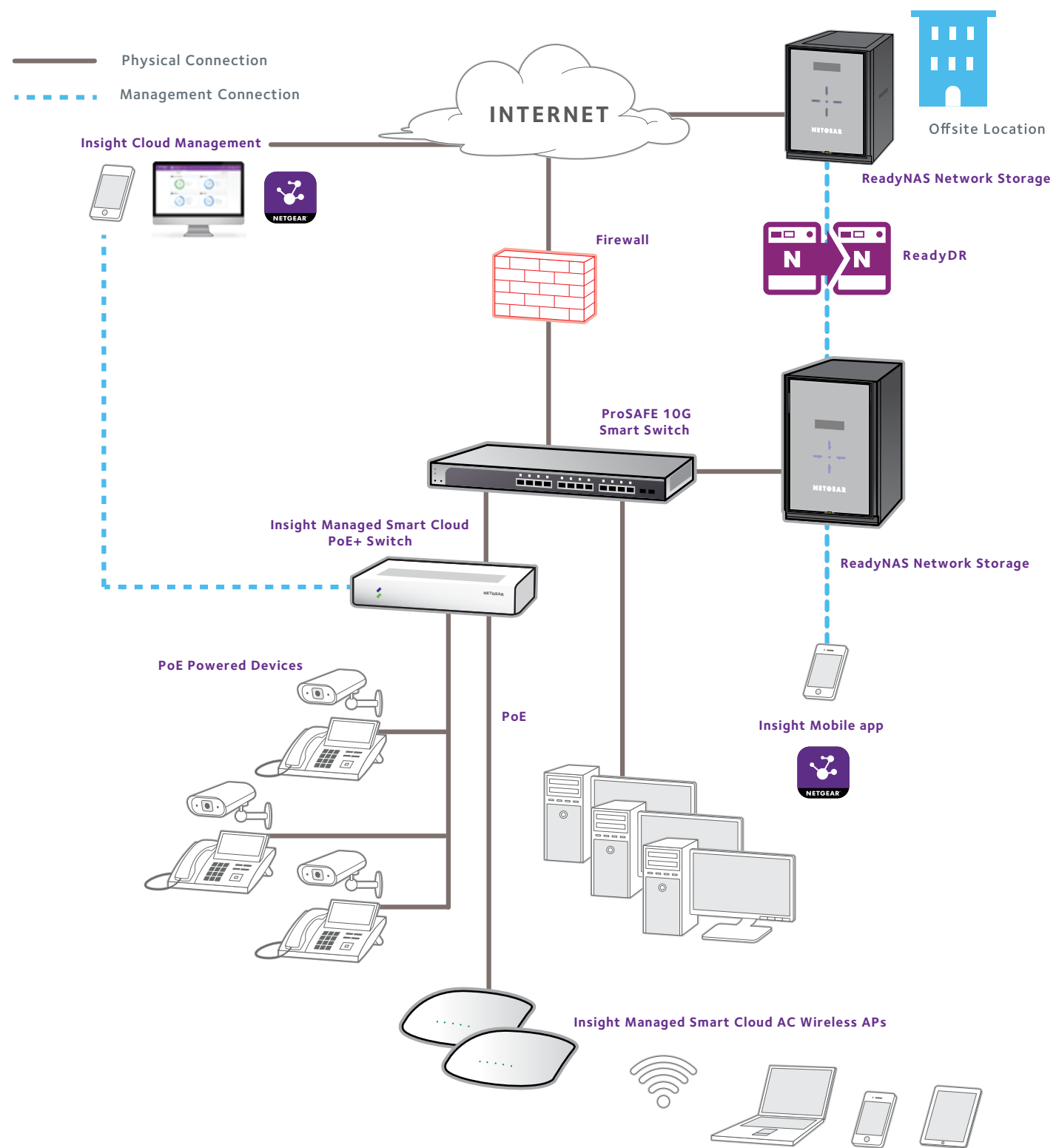
NETWORK SOLUTION FOR A GROWING MID-SIZE BUSINESS, 75-250 + USERS

Connection Setup

Offsite Location

INTERNET

Physical Connection

Management Connection

ReadyNAS Network Storage

Firewall

ReadyDR

ReadyNAS Network Storage

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 Controller

Wave 2 Wireless-AC Access Point

Wave 2 Wireless-AC Access Point

NETGEAR Insight Management Solution

CENTRALIZED REMOTE NETWORK VISIBILITY AND CONTROL WITH NETGEAR INSIGHT

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

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

NETGEAR Insight comes with 3 subscription plans, Insight Basic and Insight Premium for businesses themselves and Insight Pr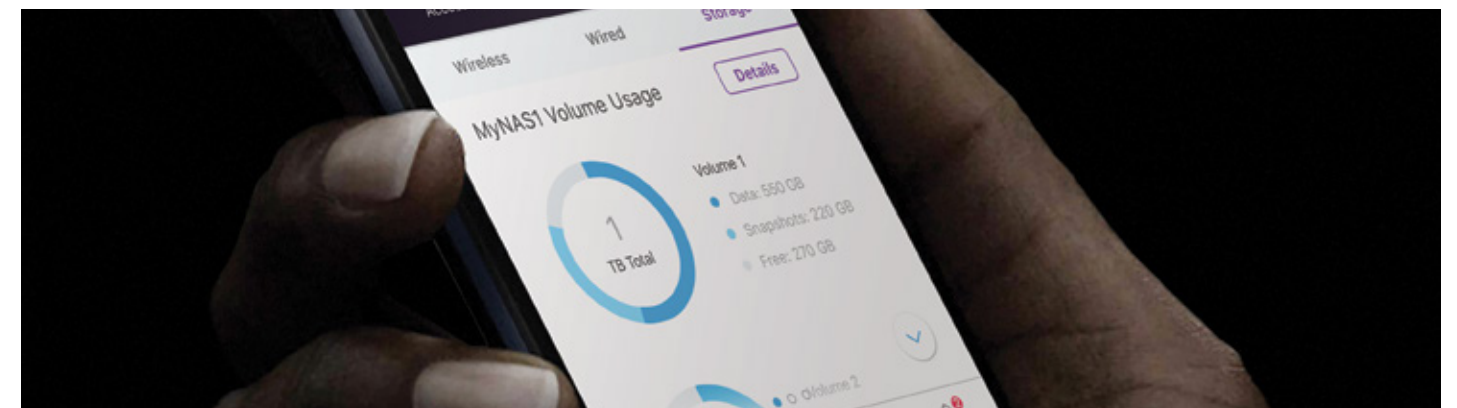o for Managed Service Providers and Value-added Resellers. Select devices now come with 1-year of Insight subscription included with the purchase. For more information on the Insight subscription plans, and the list of models included in the 1-year offer, go to www.netgear.com/insight

Your Network. Anytime. Anywhere.

1-YEAR INSIGHT INCLUDED PROGRAM

WIRED -- SWITCHES		WIRELESS
GC108P-100AUS	GC110P-100UKS	WAC505-100NAS
GC108P-100JPS	GC510P-100NAS	WAC505-10000S
GC108P-100PES	GC510P-100AJS	WAC505B03-100NAS
GC108P-100PRS	GC510P-100EUS	WAC505B03-10000S
GC108PP-100NAS	GC510PP-100NAS	WAC505B05-100NAS
GC108PP-100AUS	GC510PP-100AJS	WAC505B05-10000S
GC108PP-100JPS	GC510PP-100EUS	WAC505PA-100NAS
GC108PP-100PES	GC728X-100NAS	WAC540-100JPS
GC108PP-100PRS	GC728X-100AJS	WAC540-100NAS
GC110-100NAS	GC728X-100EUS	WAC540-10000S
GC110-100AUS	GC728XP-100NAS	WAC540B03-100NAS
GC110-100JPS	GC728XP-100AJS	WAC540B03-10000S
GC110-100KOS	GC728XP-100EUS	WAC540PA-100NAS
GC110-100PES	GC752X-100NAS	WAC564-100EUS
GC110-100PRS	GC752X-100AJS	WAC564-100NAS
GC110-100UKS	GC752X-100EUS	
GC110P-100NAS	GC752X-100PRS	
GC110P-100AUS	GC752XP-100NAS	
GC110P-100JPS	GC752XP-100AJS	
GC110P-100PES	GC752XP-100EUS	
GC110P-100PRS		

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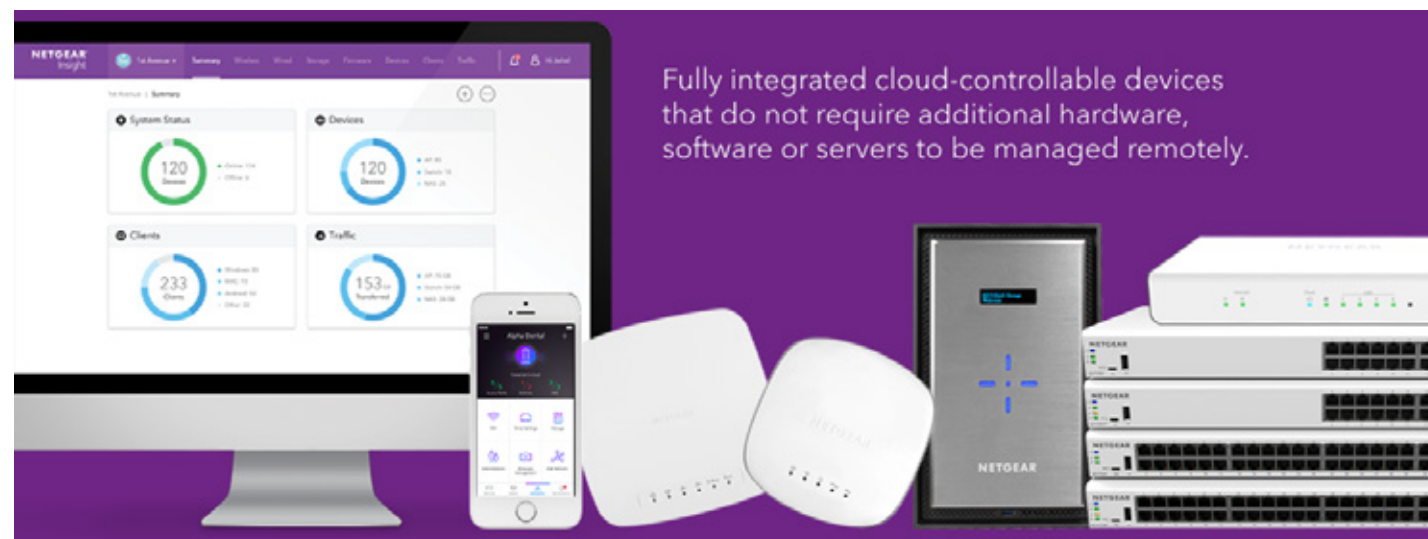

PRODUCT	NETGEAR INSIGHT 5.9	
Features	Full Network Discovery	• Discovery of select NETGEAR network devices - Access Point, Switch, Storage and VPN Router • Discovery and setup of the NETGEAR Insight Managed network devices • Multi-device monitoring dashboard • NETGEAR Smart Managed Switch Discovery, registration and IP address Management • Visibility into WiFi clients
	Setup And Installation Of Insight Managed Devices	• Easy device discovery via WiFi network discovery or QR /bar code scanning • Insight Instant mesh setup with the WAC540 • Orbi Pro Router & Satellite manageable by Insight • Setup Insight Managed Wireless Access Points in router or AP mode • Set rate limits for upload and download of Insight Managed Wireless APs and Smart Cloud Switches (across both wired and wireless networks) • Setup Insight Managed Smart Cloud and select Smart Managed Pro switch advanced switching features including VLANs, LAGs, Radius Authentication, PoE and SNMP • Auto-join and configure (zero-touch deployment) of additional Insight Managed devices
	Full Monitoring Of Insight Managed Devices	• Device Status Dashboards across wired and wireless networks • Device status (Connected, Not reachable, Up time, Firmware version) • Detailed logs of device activity • Email and push notifications • Data usage monitoring
	Complete Management Of Insight Managed Devices	• Device discovery across full wireless and wired network • Secure remote user management • Create up to 3 site-to-site secure connection • Guest WiFi/Captive Portal • Firmware upgrade and device reboot • Define URL filtering for wireless AP • 802.1x Radius Authentication • VLAN, LAG, QoS, ACLs, and advanced PoE management and SNMP settings • Smart WiFi management (with Premium or Pro management subscription) • WiFi Fast Roaming (with Premium or Pro management subscription) • PoE scheduler (with Premium or Pro management subscription) • RTP/RSTP/MSTP support (with Premium or Pro management subscription) • Extend your WiFi further out with Insight Instant Mesh • Extend out even further for outdoors wireless coverage with AirBridge with Insight management • Network-Level Config & Cloning (with Premium or Pro management subscription)
	Multi-locations	• Easily create and manage multiple locations from a single pane-of-glass • Add and configure devices in each network • Monitor across all locations from anywhere • Single-flow multi-location creation
	Common Management Ownership	End customer or Managed Service Provider
	Security	Multi-factor authentication, secure cloud, and router/firewall devices
	Supported Operating System	iOS (version 8.0 and above), Android (version 4.4 and above)

COMPATIBILITY TABLE

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

INTRODUCING INSIGHT PRO FOR OUR PARTNERS

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

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

EASE OF USE, RICH FEATURES AND SECURITY

Multi-tenancy & Multi-location

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

Automated deployment & updates

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

Remote provisioning

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

WiFi roaming & capabilities

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

Easy configuration & management

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

Advanced security

- Two-factor authentication
- Cloud security

UNIQUE EFFICIENT MULTI-TENANT MODEL

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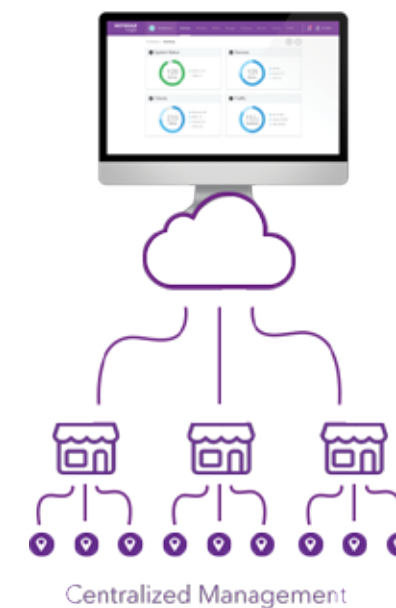
Insight Solution

- ✔ Multi-tenancy
- ✔ Multi-Users roles & access
- ✔ Centralized updates & dashboard
- ✔ Custom reports
- ✔ Operational efficiencies
- ✔ Cost economy

Centralized Management

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

Set Up Account
You will recieve a purchase confirmation email

Start Managing
Add devices and that's it!
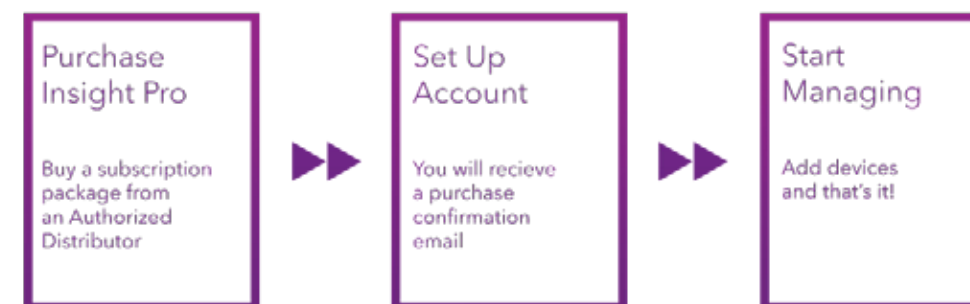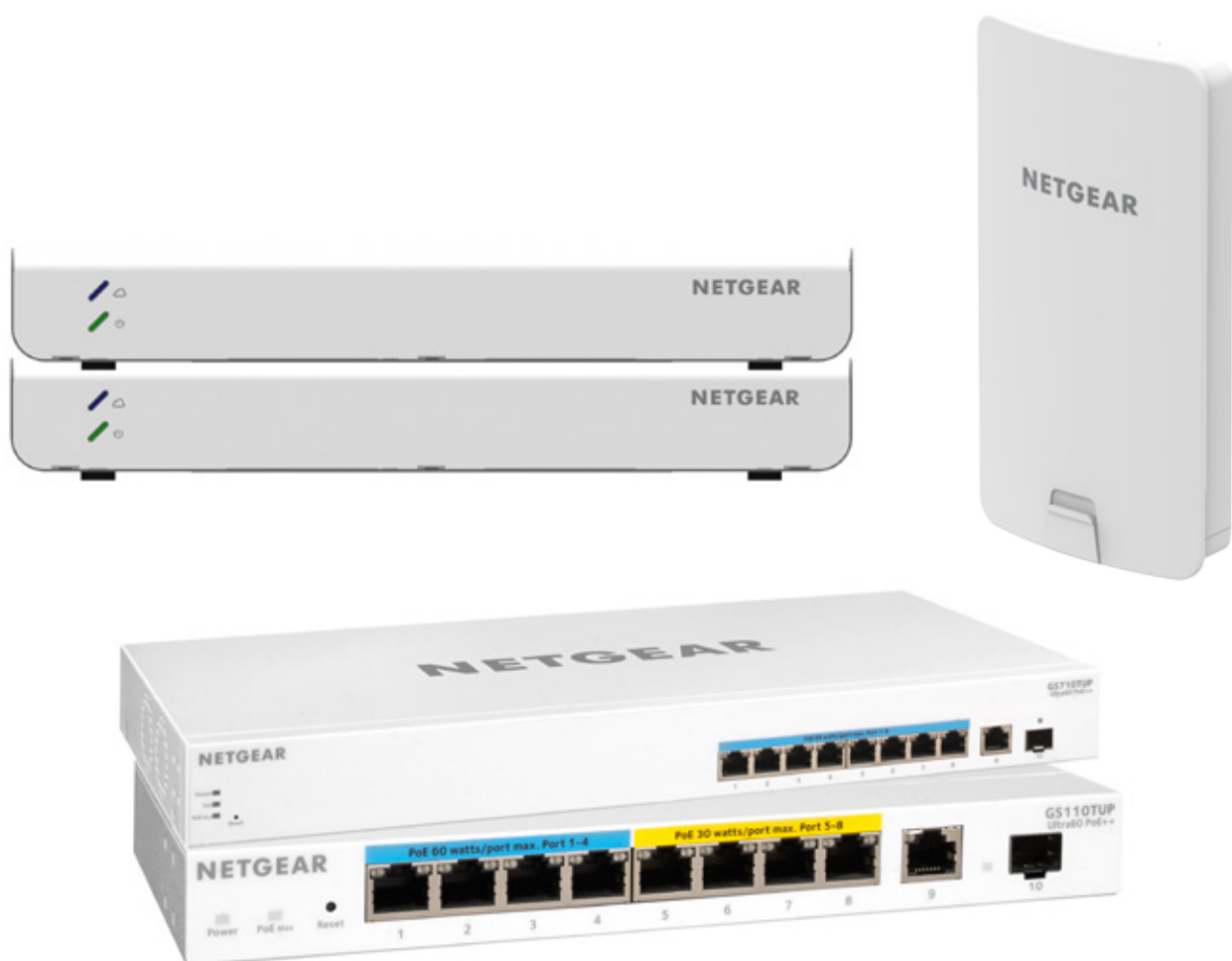
Building a Network Infrastructure for Robust IP Video Surveillance
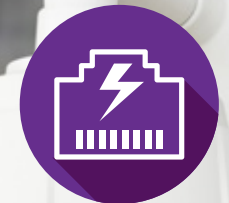
Video surveillance based on digital IP technology has revolutionized the physical security industry. The network is the critical infrastructure in any surveillance installation that enables all the other surveillance functions – transmitting video streams to be viewed, managed and stored as well as carrying 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
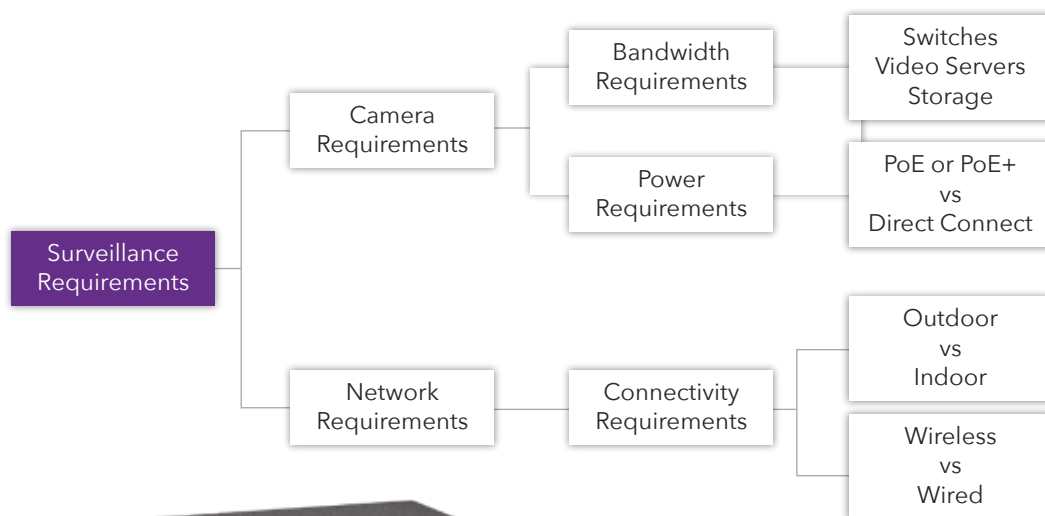
Largest portfolio of Power over Ethernet (PoE) switches

NETGEAR INSIGHT

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

Great NETGEAR PoE Switch features for surveillance[1]

1. Fanless and whisper-quiet fan designs
2. Desktop, wall mount and rackmount options
3. L3 Lite static routing
4. Management and video network segregation (VLANs, trunking)
5. MAC-based white/black 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.

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Insight remote management solution option

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

Insight Features for Surveillance

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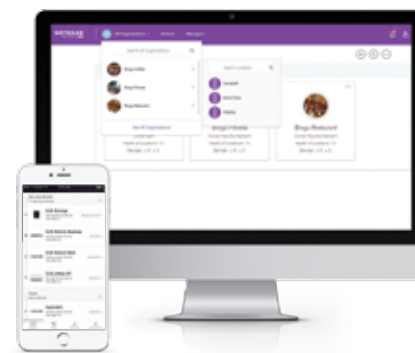
www.netgear.com/insight

NETGEAR Wireless AirBridge

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

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

Use case: Long-range and outdoor video surveillance

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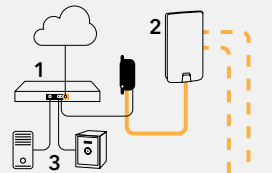
Remote Sites
4. AirBridge satellite
5. Switch for multiple PTZ camera connections
6. WiFi access point for WiFi camera connections
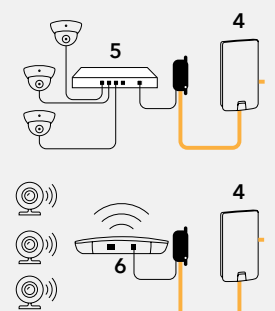
www.netgear.com/airbridge

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

Industry-leading, efficient networking for surveillance.

SWITCHING

NETGEAR FEATURES THE MOST COMPREHENSIVE, SCALABLE AND AFFORDABLE SWITCHING PORTFOLIO

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

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

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

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

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

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

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

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

Just pick the switch that's best for you!

	UNMANAGED	SMART MANAGED PLUS	SMART MANAGED PRO	SMART CLOUD	SMART CLOUD	FULLY MANAGED	CHASSIS
Customer	Small				Small		
		Mid-sized					
Switching	L2		L2+/Lite L3			L2+/L3	L2/L3/L4
10/100M	FS/JFS Series		FS Series			M4100	
1GbE	200/600/900 · 300 · 100 · 500	900 · 300/800 · Click · 100 · 400/500	S350 · 100 · 400/500 · 700 · S3300		GC Series	M4100/M4200 · M4300	M6100
1GbE w/10G SFP+			GS Series	S3300	GC Series		
1GbE w/10GbE and 10G SFP+				S3300			
10GbE		XS Series	XS Series			M4300	M6100
Multi-gig	XSxxxM and GSxxxMX Series	GSxxxEMX and XSxxxEM Series	MS Series			M4200	
Management	NA	Local GUI / NMS300 / Insight*			Insight / Local GUI	NMS300	

*Insight cloud management available on select Smart Managed Pro models

Switch Naming Convention

Unmanaged and Smart Managed Plus – How to read the product code

Speed	Series	Ports	Management	Uplinks	Power

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

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

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

Speed	Series	Ports	Management	Uplinks	Power	Stacking

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

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

Fully Managed Switches – How to read the product code

Speed	Management	Series	Layer	Ports	Stacking

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

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

Legend

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

A SHORT GUIDE TO NETGEAR SWITCHES MANAGEMENT

Just pick the type of management that is right for you

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

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.

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

PoE CLASS CHART

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

PD CHART

PD Product	Product Description	Power Consumption
GS105PE* (PD-Powered Device ONLY)	Gigabit Smart Managed Plus Switch	2W min, 6.5W max
GS108Tv2	Gigabit Smart Managed Pro Switch	8.3W
GS108Tv3	Gigabit Smart Managed Pro Switch	5.5W
GS516TP	Gigabit Smart Managed Pro Switch	10W min, 16.1W max
M4100-D12G (GSM5212)	12 x GbE + 4 Combo SFP Managed Switch	25W
WND930	Outdoor Dual-Band Wireless 11N Access Point	15.2W min, 43.8W max
WAC505	Insight Managed Smart Cloud Wireless Access Point	8.9W
WAC510	Insight Managed AC WiFi Access Point	9.3W
WAC540	Insight Managed Smart Cloud Tri-Band 4x4 Wireless Access Point	25.5W
WAC720	2 x 2 11AC Access Point	11.0W
WAC730	3 x 3 11AC Access Point	12.9W
WAC740	4 x 4 Wave 2 11AC Access Point	17.9W

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					
FS108P	8 x FE	4	53W		
FS116P	16 x FE	8	70W		
GS305P	5 x GbE	4	55W	Yes	
GS305PP	5 x GbE	4 PoE+	83W	Yes	
GS108LP	8 x GbE	8 (PoE+)	60W** (up to 123W with EPS130W)	Yes	Yes
GS108PP	8 x GbE	8 PoE+	123W**	Yes	Yes
GS308P	8 x GbE	4	53W		
GS308PP	8 x GbE	8 (PoE+)	83W** (up to 123W with EPS130W)	Yes	Yes
GS116LP	16 x GbE	16 PoE+	76W** (up to 183W with EPS200W)	Yes	Yes
GS116PP	16 x GbE	16 PoE+	183W	Yes	Yes
GS316P	16 x GbE	16 (PoE+)	115W** (up to 183W with EPS200W)	Yes	Yes
GS316PP	16 x GbE	16 (PoE+)	183W**	Yes	Yes
GS324P	24 x GbE	16 PoE+	190W	Yes	
GS324PP	24 x GbE	24 PoE+	380W	Yes	
GS348PP	48 x GbE	24 (PoE+)	380W	Yes	
SMART MANAGED PLUS SWITCHES					
GS105PE* (PD-Powered Device ONLY - NO AC POWER)	5 x GbE	2 x PoE, 1 x PD	up to 19W with 802.3at power in, up to 7.9W with 802.3af power in	Yes	
GS108PE	8 x GbE	4	53W		
GSS108EPP	8 x GbE	4 PoE+	47W	Yes	
GS408EPP	8 x GbE	8 PoE+	124W	Yes	
JGS516PE	16 x GbE	8	85W		
JGS524PE	24 x GbE	12	100W		
SMART MANAGED PRO / SMART CLOUD SWITCHES					
FS728TLP	24 x FE + 2 x GbE + 2 x 1G combo SFP	12	100W		
FS728TP	24 x FE + 2 x GbE + 2 x 1G combo SFP	24	192W		
GC108P	8 x GbE	8 PoE+	64W** (up to 126W with EPS130W)		Yes
GC108PP	8 x GbE	8 PoE+	126W**		Yes
GC110P	8 x GbE + 2 x 1G Dedicated SFP	8	62W		
GS110TPv2	8 x GbE + 2 x 1G Dedicated SFP	8	46W		
GS110TPv3	8 x GbE + 2 x 1G Dedicated SFP	8 PoE+	55W		
GS110TPP	8 x GbE + 2 x GbE	8 PoE+	120W** (up to 190W with EPS200W)		Yes
GS110TUP	8 x GbE + 1 x GbE + 1 x 1G Dedicated SFP	4 Ultra60 PoE++, 4 PoE+	240W		
GS310TP	8 x GbE + 2 x 1G Dedicated SFP	8 PoE+	55W		
GS510TLP	8 x GbE + 2 x 1G Dedicated SFP	8 PoE+	75W		
GS510TP	8 x GbE + 2 x 1G Dedicated SFP	8 PoE+	130W		
GC510P	8 x GbE + 2 x 1G Dedicated SFP	8 PoE+	134W		
GC510PP	8 x GbE + 2 x 1G Dedicated SFP	8 PoE+	195W		
GS510TPP	8 x GbE + 2 x 1G Dedicated SFP	8 PoE+	190W		
MS510TXPP	4 x GbE + 2 x 2.5GbE + 2 x 5GbE + 1 x 10GbE + 1 x 10G Dedicated SFP+	8 PoE+	180W		
GS710TUP	8 x GbE + 1 x GbE + 1 x 1G Dedicated SFP	8 Ultra60 PoE++	480W		
GS516TP	16 x GbE	8 x PoE, 2 x PD	76W (AC in), 22W (2x802.3at in), 11W (2x802.3af in)		
GS418TPP	16 x GbE + 2 x 1G Dedicated SFP	8 PoE+	240W		
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		
GS728TP	24 x GbE + 4 x 1G Dedicated SFP	24 (8 PoE+)	192W		
GS728TPv2	24 x GbE + 4 x 1G Dedicated SFP	24 PoE+	190W		
GS728TPP	24 x GbE + 4 x 1G Dedicated SFP	24 PoE+	384W		
GS728TPPv2	24 x GbE + 4 x 1G Dedicated SFP	24 PoE+	380W		
GC728XP	24 x GbE + 2 x 1G Dedicated SFP + 2 x 10G Dedicated SFP+	24 PoE+	390W		
GS752TP	48 x GbE + 4 x 1G Dedicated SFP	48 (8 PoE+)	384W		
GS752TPv2	48 x GbE + 4 x 1G Dedicated SFP	48 PoE+	380W		
GS752TPP	48 x GbE + 4 x 1G Dedicated SFP	48 PoE+	760W		
GC752XP	48 x GbE + 2 x 1G Dedicated SFP + 2 x 10G Dedicated SFP+	48 PoE+	505W		
STACKABLE SMART MANAGED PRO SWITCHES					
S3300-28X-POE+ (GS728TXP)	24 x GbE + 2 x 10GbE + 2 x 10G Dedicated SFP+	24 PoE+	195W and up to 720W with RPS		
S3300-52X-POE+ (GS752TXP)	48 x GbE + 2 x 10GbE + 2 x 10G Dedicated SFP+	48 PoE+	390W and up to 1400W with RPS		
GS752TPSB (incl. AGC761 stacking cable)	48 x GbE + 2 x 1G combo SFP + 4 x 1G/2.5G Dedicated SFP	48 (8 PoE+)	384W		
M4100 SERIES MANAGED SWITCHES (L2+ STANDALONE)					
M4100-12GF (GSM7212F)	12 x GbE with 12 shared SFP and 4 GbE PoE+	4 (PoE+)	150W		
M4100-26G-POE (GSM7226LP)	26 x GbE + 4 Combo SFP	24	192W and up to 380W with EPS		
M4100-24G-POE+ (GSM7224P)	24 x GbE + 4 Combo SFP	24 (PoE+)	380W and up to 720W with EPS		
M4100-50G-POE+ (GSM7248P)	50 x GbE + 4 Combo SFP	48 (PoE+)	380W and up to 1,440W with EPS		
M4200 SERIES INTELLIGENT EDGE MANAGED SWITCHES (L2+ L3 MULTI-GIGABIT)					
M4200-10MG-POE+ (GSM4210P)	8 x 2.5G + 2 x 10GBASE-T	8 (PoE+)	240W		
M4300 SERIES INTELLIGENT EDGE MANAGED SWITCHES (L2+ L3 STACKABLE)					
M4300-28G-POE+ (GSM4328PA)	24 x GbE + 2 x 10GBASE-T + 2 x 10GBASE-X SFP+	24 (PoE+)	480W 1 PSU (APS550W) 720W 2 PSUs		
M4300-28G-POE+ (GSM4328PB)	24 x GbE + 2 x 10GBASE-T + 2 x 10GBASE-X SFP+	24 (PoE+)	630W (110V) 720W (220V) 1 PSU (APS1000W) 720W 2 PSUs		
M4300-52G-POE+ (GSM4352PA)	48 x GbE + 2 x 10GBASE-T + 2 x 10GBASE-X SFP+	48 (PoE+)	480W 1 PSU (APS550W) 720W 2 PSUs		
M4300-52G-POE+ (GSM4352PB)	48 x GbE + 2 x 10GBASE-T + 2 x 10GBASE-X SFP+	48 (PoE+)	591W (110V) 860W (220V) 1 PSU (APS1000W) 1010W (110V) 1440W (220V) 2 PSUs		
M4300-16X (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)		
M6100 SERIES CAMPUS EDGE AND SMB CORE CHASSIS SWITCHES					
XCM89P	PoE/PoE+ daughter card for XCM8944 & XCM8948	Up to 136 PoE+	Up to 30W per port		
XCM89UP	PoE/PoE+ & UPOE daughter card for XCM8944 & XCM8948	Up to 136 UPOE	Up to 60W per port		
RPS/EPS OPTIONS					

PRODUCT	DESCRIPTION	ORDERING SKU
RPS4000	External / Redundant Power Supply (up to four switches - RPS or EPS mode)	RPS4000-200NES/200AJS
APS1000W	Power Module for RPS4000	APS1000W-100NES /-100AJS

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

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

Connectivity matters more every day!

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

10 drivers for 10-Gigabit networking

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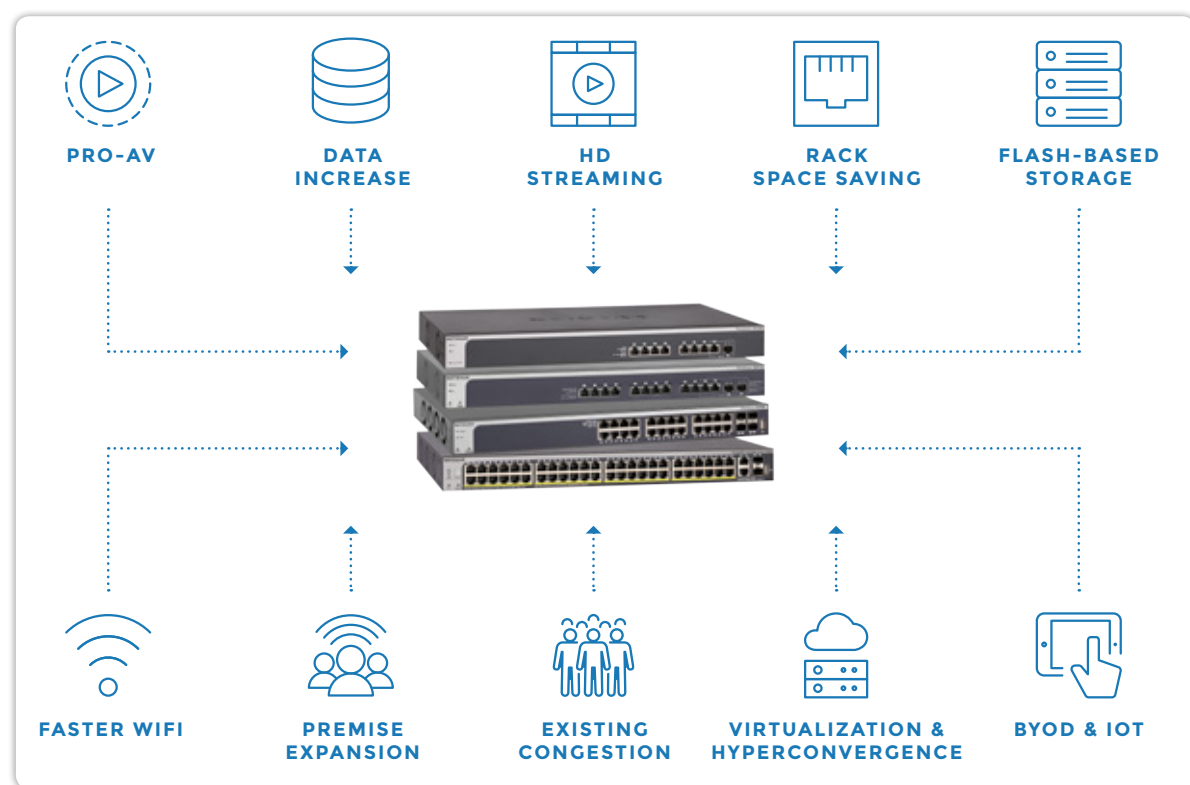
NETGEAR 10-Gigabit Portfolio

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

Follow the X!

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

10-Gigabit fully managed switches for IT applications

MODEL NAME	M4300-8X8F	M4300-16X		M4300-12X12F	M4300-24X
MODEL NUMBER	XSM4316S	XSM4316PA	XSM4316PB	XSM4324S	XSM4324CS
MANAGEMENT	Full	Full		Full	Full
TOTAL 10GB PORTS	16	16		24	24
10GB COPPER PORTS	8	16		12	24
10GB SFP+ PORTS	8			12	4 Combo
FABRIC	320 Gbps	320 Gbps		480 Gbps	480 Gbps
HALF WIDTH	•	•		•	•
FULL WIDTH					
POE+			•		
SDVOE COMPLIANT	•	•		•	•

MODEL NAME	M4300-24XF	M4300-24X24F	M4300-48X	M4300-48XF	M4300-96X
MODEL NUMBER	XSM4324FS	XSM4348S	XSM4348CS	XSM4348FS	XSM4396K0
MANAGEMENT	Full	Full	Full	Full	Full
TOTAL 10GB PORTS	24	48	48	48	Up to 96
10GB COPPER PORTS	2 Combo	24	48	2 Combo	Up to 96 by multiples of 8
10GB SFP+ PORTS	24	24	4 Combo	48	Up to 96 by multiples of 8
FABRIC	480 Gbps	960 Gbps	960 Gbps	960 Gbps	1.920 Tbps
HALF WIDTH					
FULL WIDTH	•	•	•	•	•
POE+					•
SDVOE COMPLIANT	•	•	•	•	•

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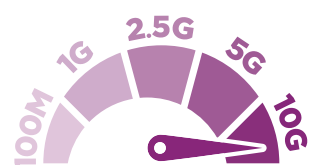
Modern, high-performance network devices such as 5G network cards, gaming computers, desktop computers, servers, network attached storage (NAS) devices, or IEEE 802.11ac Wave 2 wireless access points are capable of 2.5-Gigabit or 5-Gigabit connectivity. With the existing Gigabit and 10-Gigabit Ethernet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

- The existing Gigabit and 10-Gigabit Ethernet standards do not allow speeds between 10 Gbps and 1 Gbps. If you connect an 802.11ac Wave 2 wireless access point or other Multi-Gigabit-capable device to a 10-Gigabit switch port, the connection automatically downgrades to 1 Gbps because the device cannot achieve 10 Gbps.

- The existing 10-Gigabit Ethernet standard requires Cat 6A or better Ethernet cable for lengths up to 100 meters (328 feet). However, most existing cabling is only Cat 5e or Cat 6, and re-wiring can be costly.

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

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

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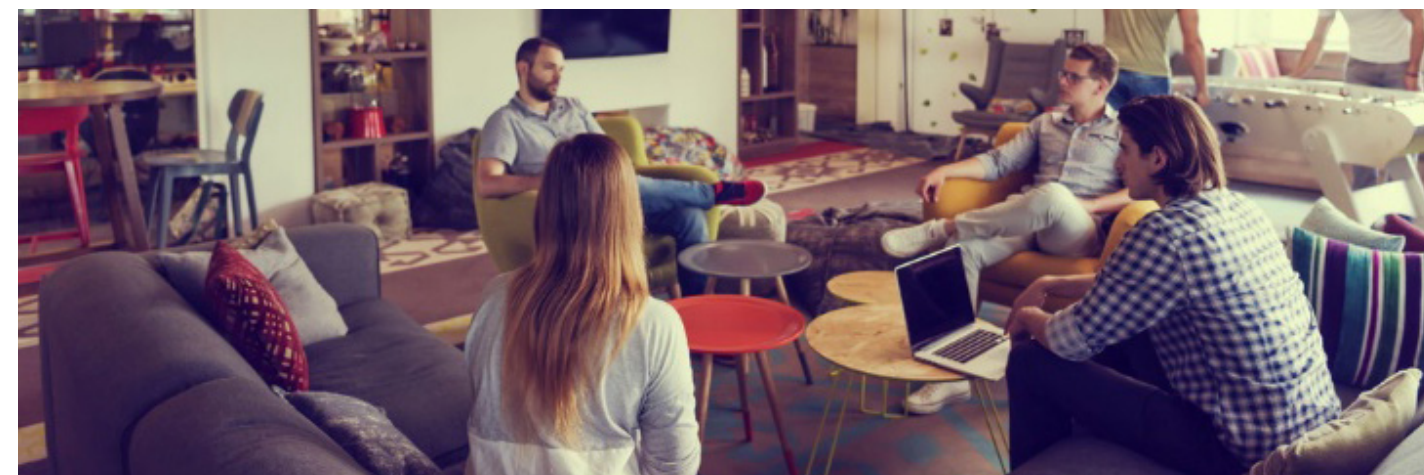
5 TIMES FASTER USING THE SAME CABLING

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

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

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

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

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

	XS505M	XS508M	GS110MX	GS110EMX	XS512EM	XS724EM	MS510TX	MS510TXPP	M4200	M4300-16X PA	M4300-16X PB
# of Ports	5	8	10	10	12	24	10	10	10	8	8
# of 1G Ports			8	8			4	4			
# of 1G/2.5G Multi-Gig Ports							2	2	6		
# of 1G/2.5G/5G Multi-Gig Ports							2	2	2		
# of 10G Fiber Ports	1	1			2	2	1	1	2		
# of 5-Speed Ports (100M/1G/2.5G/5G/10G)	4	7	2	2	12	24	1	1			
PoE+ Ports									8	8	
Type of Management	Unmanaged	Unmanaged	Unmanaged	Smart Managed Plus	Smart Managed Plus	Smart Managed Plus	Smart Managed Pro	Smart Managed Pro	Fully Managed	Smart Managed Plus	Smart Managed Plus
Plug and Play	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Web Interface for Configuration				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Easy Mount									Yes		
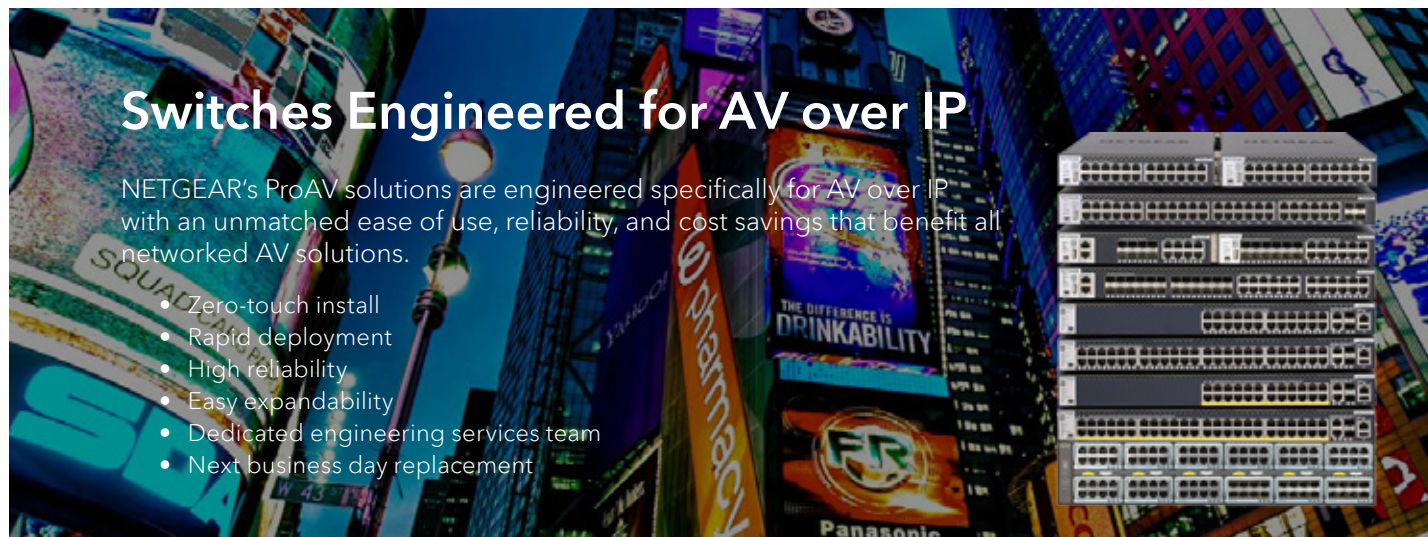
Switches Engineered for AV over IP

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

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

OVERVIEW

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

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

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

Certified Partners

CRESTRON
tvONE
Aurora
BROADATA COMMUNICATIONS, INC
DVIGEAR
IDK
zeevee
SAVANT
BLACK BOX
CHRISTIE
MEGAPIXEL VISUAL REALITY
AV BEYOND THE BOX
KanexPro
WyreStorm
VISIONARY SOLUTIONS NETWORK AV SOLUTIONS
ZIGEN

APPLICATIONS

Video over IP

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

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

Audio over IP

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

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

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

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

SUPPORT & DESIGN SERVICES

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

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

ProSUPPORT for Business

The NETGEAR ProSUPPORT for Business offerings provide you with peace of mind by extending and enhancing the standard warranty or support coverage included with your product purchase.

With ProSUPPORT, you get 24/7 direct access to NETGEAR technical support engineers who can rapidly resolve technical issues both big and small. Connect with the people that have built your products and build the relationship that will contribute to your business success.

PRO AV TECHNICAL TRAINING

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

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

Find out more:
www.netgear.com/av-over-ip
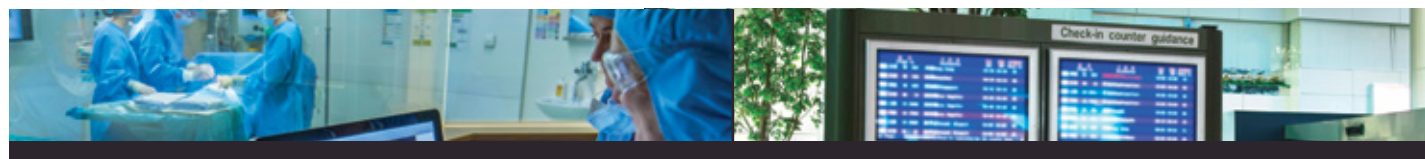
Pre-configured M4300 Ethernet Switches for AV over IP

MODEL NAME	M4300-8X8F	M4300-16X		M4300-12X12F	M4300-24X
MODEL NUMBER	XSM4316S	XSM4316PA	XSM4316PB	XSM4324S	XSM4324CS
MANAGEMENT	Full	Full		Full	Full
TOTAL 10GB PORTS	16	16		24	24
10GB COPPER PORTS	8	16		12	24
10GB SFP+ PORTS	8			12	4 Combo
FABRIC	320 Gbps	320 Gbps		480 Gbps	480 Gbps
HALF WIDTH	•	•		•	•
FULL WIDTH					
POE+			•		
SDVOE COMPLIANT	•	•		•	•

MODEL NAME	M4300-24XF	M4300-24X24F	M4300-48X	M4300-48XF	M4300-96X
MODEL NUMBER	XSM4324FS	XSM4348S	XSM4348CS	XSM4348FS	XSM4396K0
MANAGEMENT	Full	Full	Full	Full	Full
TOTAL 10GB PORTS	24	48	48	48	Up to 96
10GB COPPER PORTS	2 Combo	24	48	2 Combo	Up to 96 by multiples of 8
10GB SFP+ PORTS	24	24	4 Combo	48	Up to 96 by multiples of 8
FABRIC	480 Gbps	960 Gbps	960 Gbps	960 Gbps	1.920 Tbps
HALF WIDTH					
FULL WIDTH	•	•	•	•	•
POE+					•
SDVOE COMPLIANT	•	•	•	•	•

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+		•	•		•	

Unmanaged Switches – Plug-and-Play, No Configuration

UNMANAGED, L2, 10/100 FAST ETHERNET

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

Unmanaged Switches

Unmanaged, L2, 10/100 Fast Ethernet

MODEL		FS116P	JFS516	JFS524
Port Configuration	10M/100M RJ45 Copper Ports (Auto Uplink)	16	16	24
	10M/100M/1G RJ45 Copper Ports (Auto Uplink)			
PoE	# of PoE Ports			
	Power Over Ethernet 802.3af Ports	8		
	PoE Plus (30W) 802.3at Ports			
	Total PoE/PoE+ Budget	70W		
Scalability	# MAC Addresses	8k	8K	8K
	MAC Address Aging (sec)	200 ~ 300 sec	300 sec	300 sec
Quality of Service	Number of Priority Queues	2		4
	Traffic Prioritization	Honors 802.1p Priority Tags		Honors 802.1p Priority Tags
Performance	Bandwidth	3.2 Gbps	3.2 Gbps	4.8 Gbps
	Buffer Memory	256 KB	256 KB	256 KB
	Jumbo Frames	not supported	2,048 bytes	2,048 bytes
Energy Efficiency	IEEE 802.3az	✔	✔	✔
	Auto Port Power Down	✔		
	Max Power Consumption	10W (no PoE) 80W (with PoE max)	2.7W	4W
Physical	Desktop/Rackmount/Click	Desktop/Wallmount	Desktop, Rackmount	Desktop/Rackmount
	Metal/Plastic Enclosure	Metal	Metal	Metal
	MTBF @ 25°C	546,673 hrs (62 yrs)	2,956,082 hrs (337 yrs)	2,940,540 hrs (336 yrs)
	Fan(s)	None	None	None
	Width x Depth x Height	286 x 102 x 27 mm (11.3 x 4.0 x 1.1 in)	280 x 126 x 44 mm (11.0 x 5.0 x 1.7 in)	280 x 126 x 44 mm (11.0 x 5.0 x 1.7 in)
	Weight	0.90 kg (1.98 lb)	0.92 kg (2.03 lb)	0.54 kg (1.19 lb)
Electromagnetic Compliance	Class (A or B)	A	A	A
Warranty Hardware*		Lifetime* Limited	Lifetime* Limited	Lifetime* Limited
Warranty Power Supply		2 years	Internal (same as switch)	Internal (same as switch)
ProSUPPORT Maintenance Contracts***	OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year	PMB0S11 PMB0S31 PMB0S51	PMB0S11 PMB0S31 PMB0S51	PMB0S12 PMB0S32 PMB0S52

Unmanaged Switches

Unmanaged, L2, Gigabit

MODEL		GS305	GS305P	GS305PP	GS308	GS308P
Port Configuration	10M/100M RJ45 Copper Ports (Auto Uplink)					
	10M/100M/1G RJ45 Copper Ports (Auto Uplink)	5	5	5	8	8
PoE	# of PoE Ports			4		
	Power Over Ethernet 802.3af Ports		4	4		4
	PoE Plus (30W) 802.3at Ports			4		
	Total PoE/PoE+ Budget		55.5W	83W		53W
Scalability	# MAC Addresses	2K	2K	2K	8K	4K
	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	10 Gbps	10 Gbps	10 Gbps	16 Gbps	16 Gbps
	Buffer Memory	128 KB	128 KB	128 KB	128 KB	192 KB
	Jumbo Frames	9,216 bytes	9,216 bytes	9,216 bytes	9,216 bytes	9,720 bytes
Energy Efficiency	IEEE 802.3az	✔	✔	✔	✔	✔
	Auto Port Power Down	✔	✔	✔	✔	✔
	Max Power Consumption	2.15W	3.4W (no PoE) 60.0W (with PoE max)	2.89W (no PoE) 88.89W (with PoE max)	3.04W	7.0W (no PoE) 60.0W (with PoE max)
Physical	Form-factor/Mounting (Desktop, Wall, Rack)	Desktop, Wallmount	Desktop, Wallmount	Desktop, Wallmount	Desktop, Wallmount	Desktop, Wallmount
	Metal/Plastic Enclosure	Metal	Metal	Metal	Metal	Metal
	MTBF @ 25°C	3,831,422 hrs (437 yrs)	3,222,482 hrs (368 yrs)	6,710,127 hrs	3,711,898 hrs (424 yrs)	2,244,211 hrs (256 yrs)
	Fan(s)	None	None	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)	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)	0.39 kg (0.86 lb)	0.46 kg (1.02 lb)
Electromagnetic Compliance	Class (A or B)	B	A	A	B	A
Warranty Hardware*		3 years	3 years	3 years	3 years	3 years
Warranty Power Supply		3 years	3 years	3 years	3 years	3 years
ProSUPPORT Maintenance Contracts***	OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year	PMB0S11 PMB0S31 PMB0S51	PMB0S11 PMB0S31 PMB0S51	PMB0S11 PMB0S31 PMB0S51	PMB0S11 PMB0S31 PMB0S51	PMB0S11 PMB0S31 PMB0S51

Unmanaged Switches

Unmanaged, L2, Gigabit

MODEL		GS308PP	GS316	GS316P	GS316PP
Port Configuration	10M/100M RJ45 Copper Ports (Auto Uplink)				
	10M/100M/1G RJ45 Copper Ports (Auto Uplink)	8	16	16	16
PoE	# of PoE Ports	8		16	16
	Power Over Ethernet 802.3af Ports	8		16	16
	PoE Plus (30W) 802.3at Ports	8		16	16
	Total PoE/PoE+ Budget	83W		115W	183W
Scalability	# MAC Addresses	4K	16K	4K	4K
	MAC Address Aging (sec)	300 sec	300 sec	300 sec	300 sec
Quality of Service	Number of Priority Queues				
	Traffic Prioritization	802.1p based QoS/CoS	802.1p based QoS/CoS	802.1p based QoS/CoS	802.1p based QoS/CoS
Performance	Bandwidth	16 Gbps	32 Gbps	32 Gbps	32 Gbps
	Buffer Memory	192 KB	768 KB	1MB	1MB
	Jumbo Frames	9,216 bytes	9,216 bytes	9,216 bytes	9,216 bytes
Energy Efficiency	IEEE 802.3az	✓	✓	✓	✓
	Auto Power Down	✓	✓	✓	✓
	Max Power Consumption	3.86W (no PoE) 90W (with PoE max)	8.4W	12.9W (no PoE) 130W (with PoE max)	12.9W (no PoE) 200W (with PoE max)
Physical	Desktop/Rackmount/Click	Desktop, Wallmount	Desktop, Wallmount	Desktop, Wallmount	Desktop, Wallmount
	Metal/Plastic Enclosure	Metal	Metal	Metal	Metal
	MTBF @ 25°C	2,752,476 hrs	9,041,798 hrs (1032 yrs)	2,362,192 hrs	2,362,192 hrs
	Fan(s)	None	None	None	None
	Width x Depth x Height	236 x 102 x 27 mm (9.3 x 4 x 1.1 in)	286 x 101 x 26 mm (11.3 x 4.0 x 1.0 in)	286 x 102 x 27 mm (11.3 x 4 x 1.1 in)	286 x 102 x 27 mm (11.3 x 4 x 1.1 in)
	Weight	0.6 kg (1.32 lb)	0.84 kg (1.86 lb)	0.88 kg (1.94 lb)	0.88 kg (1.94 lb)
Electromagnetic Compliance	Class (A or B)	A	A	A	A
Warranty Hardware*		3 years	3 years	3 years	3 years
Warranty Power Supply		3 years	3 years	3 years	3 years
ProSUPPORT Maintenance Contracts***	OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year	PMB0S12 PMB0S32 PMB0S52	PMB0S12 PMB0S32 PMB0S52	PMB0S12 PMB0S32 PMB0S52	PMB0S12 PMB0S32 PMB0S52

Unmanaged Switches

Unmanaged, L2, Gigabit

MODEL		GS324	GS324P	GS324PP
Port Configuration	10M/100M RJ45 Copper Ports (Auto Uplink)		0	0
	10M/100M/1G RJ45 Copper Ports (Auto Uplink)	24	24	24
PoE	# of PoE Ports		16	24
	Power Over Ethernet 802.3af Ports		16	24
	PoE Plus (30W) 802.3at Ports		16	24
	Total PoE/PoE+ Budget		190W	380W
Scalability	# MAC Addresses	8K	8K	8K
	MAC Address Aging (sec)	300 ~ 600 sec	300-450 sec	300-450 sec
Quality of Service	Number of Priority Queues			
	Traffic Prioritization	802.1p based QoS/CoS	802.1p based QoS/CoS	802.1p based QoS/CoS
Performance	Bandwidth	48 Gbps	48 Gbps	48Gbps
	Buffer Memory	512 KB	192KB	192KB
	Jumbo Frames	9,216 bytes	10,000 bytes	10,000 bytes
Energy Efficiency	IEEE 802.3az	✓	✓	✓
	Auto Power Down	✓	✓	✓
	Max Power Consumption	11.1W	210W	400W
Physical	Desktop/Rackmount/Click	Desktop, Wallmount, Rackmount	Desktop, Rackmount	Desktop, Rackmount
	Metal/Plastic Enclosure	Metal	Metal	Metal
	MTBF @ 25°C	620,798 hrs (71 yrs)	1,193,574 hrs	667,762 hrs
	Fan(s)	None	1	2
	Width x Depth x Height	252 x 180 x 44 mm (9.9 x 7.1 x 1.7 in)	330 x 206 x 43 mm (12.99 x 8.12 x 1.69 in)	440 x 204 x 43 mm (17.32 x 8.03 x 1.69 in)
	Weight	1.31 kg (2.90 lb)	2.44 kg (5.28 lb)	3.30 kg (7.26 lb)
Electromagnetic Compliance	Class (A or B)	A	A	A
Warranty Hardware*		3 years	3 years	3 years
Warranty Power Supply		Internal (same as switch)	Internal (same as switch)	Internal (same as switch)
ProSUPPORT Maintenance Contracts***	OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year	PMB0S12 PMB0S32 PMB0S52	PMB0312 PMB0332 PMB0352	PMB0312 PMB0332 PMB0352

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Unmanaged Switches

Unmanaged, L2, Gigabit

MODEL		GS348	GS348PP	GS908
Port Configuration	10M/100M RJ45 Copper Ports (Auto Uplink)			
	10M/100M/1G RJ45 Copper Ports (Auto Uplink)	48	48	8
PoE	# of PoE Ports		24	
	Power Over Ethernet 802.3af Ports		24	
	PoE Plus (30W) 802.3at Ports		24	
	Total PoE/PoE+ Budget		380W	
Scalability	# MAC Addresses	8K	16k	8K
	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	16.0 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	3.1W
Physical	Desktop/Rackmount/Click	Desktop, Rackmount	Desktop Rackmount	Desktop, Wallmount
	Metal/Plastic Enclosure	Metal	Metal	Plastic
	MTBF @ 25°C	1,094,297 hrs (125 yrs)	570,972 hrs	6,768,957 hrs (773 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)	234 x 164 x 33 mm (9.2 x 6.5 x 1.3 in)
	Weight	3.15 kg (6.95 lb)	4.56kg (10.05b)	0.36 kg (0.80 lb)
Electromagnetic Compliance	Class (A or B)	A	A	B
Warranty Hardware*		3 years	3 years	3 years
Warranty Power Supply		Internal (same as switch)	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	PMB0S11 PMB0S31 PMB0S51

Unmanaged Switches

Unmanaged, L2, Gigabit

MODEL		GS105	GS108	GS108LP	GS108PP
Port Configuration	10M/100M RJ45 Copper Ports (Auto Uplink)				
	10M/100M/1G RJ45 Copper Ports (Auto Uplink)	5	8	8	8
PoE	# of PoE Ports			8	8
	Power Over Ethernet 802.3af Ports			8	8
	PoE Plus (30W) 802.3at Ports			✔	✔
	Total PoE/PoE+ Budget			60W	123W
Scalability	# MAC Addresses	2K	4K	4K	4K
	MAC Address Aging (sec)	300 sec	300 sec	300 sec	300 sec
Quality of Service	Number of Priority Queues				
	Traffic Prioritization	802.1p based QoS/CoS	802.1p based QoS/CoS	802.1p based QoS/CoS	802.1p based QoS/CoS
Performance	Bandwidth	10 Gbps	16 Gbps	16 Gbps	16 Gbps
	Buffer Memory	128 KB	192 KB	192 KB	192 KB
	Jumbo Frames	9,216 bytes	9,720 bytes	9,216 bytes	9,216 bytes
Energy Efficiency	IEEE 802.3az	✔	✔	✔	✔
	Auto Port Power Down	✔	✔	✔	✔
	Max Power Consumption	2.7W	4.92W	3.86W (no PoE) 67.5W (with PoE max)	3.86W (no PoE) 130W (with PoE max)
Physical	Desktop/Rackmount/Click	Desktop/Wallmount	Desktop/Wallmount	Desktop/Wallmount/Rackmount	Desktop/Wallmount/Rackmount
	Metal/Plastic Enclosure	Metal	Metal	Metal	Metal
	MTBF @ 25°C	3,197,945 hrs (365 yrs)	9,727,733 hrs (1110 yrs)	2,752,476 hrs (314 yrs)	2,752,476 hrs (314 yrs)
	Fan(s)	None	None	None	None
	Width x Depth x Height	94 x 100 x 27 mm (3.7 x 3.9 x 1.1 in)	158 x 102 x 27 mm (6.2 x 4.0 x 1.1 in)	236 x 102 x 27 mm (9.3 x 4.0 x 1.1 in)	236 x 102 x 27 mm (9.3 x 4.0 x 1.1 in)
	Weight	0.26 kg (0.57 lb)	0.47 kg (1.04 lb)	0.60 kg (1.32 lb)	0.60 kg (1.32 lb)
Electromagnetic Compliance	Class (A or B)	B	B	A	A
Warranty Hardware*		Lifetime* Limited	Lifetime* Limited	Lifetime* Limited	Lifetime* Limited
Warranty Power Supply		2 years	2 years	2 years	2 years
ProSUPPORT Maintenance Contracts***	OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year	PMB0S11 PMB0S31 PMB0S51	PMB0S11 PMB0S31 PMB0S51	PMB0S12 PMB0S32 PMB0S52	PMB0S12 PMB0S32 PMB0S52

Unmanaged Switches

Unmanaged, L2, Gigabit

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

Unmanaged Switches

Unmanaged, L2, 10G/Multi-Gig Switches

MODEL		XS505M	XS508M	GS110MX
Port Configuration	10M/100M/1G RJ45 Copper Ports (Auto Uplink)			8
	100M/1G/2.5G/5G/10G RJ45 Copper Ports (Auto Uplink)	4	8	2
	10G SFP+ Fiber Ports	1 SFP+ (dedicated)	1 Combo SFP+ (10G)	
PoE	# of PoE ports			
	# PoE+ 802.3at Ports			
	# of PD port			
	Total PoE/PoE+ Budget			
Scalability	# MAC Addresses	2K	2K	16K
	MAC Address Aging (typical, sec)	300 sec	300 sec	300 sec
Quality of Service	802.1p-based QoS/CoS	✓	✓	✓
Performance	Total Bandwidth (Non-Blocking Fabric) (Gbps)	10 Gbps	10 Gbps	56 Gbps
	Buffer Memory (Packet Buffer Size)	125 KB	125 KB	128 KB
	Jumbo Frames	9,216 bytes	9,216 bytes	10,240 bytes
Energy Efficiency	IEEE 802.3az	✓	✓	✓
	Auto Port Power Down	✓	✓	✓
	Short Cable Detection/Power Saving	✓	✓	✓
	Max Power Consumption	22.5W	39W	13.2W
Physical	Desktop/Rackmount/Click	Desktop/Wallmount	Desktop/Wallmount	Desktop/Wallmount/Rackmount
	Metal/Plastic Enclosure	Metal	Metal	Metal
	MTBF @ 25°C	1,093,237 hrs (125 yrs)	1,145,157 hrs (131 yrs)	2,320,394 hrs (265 yrs)
	Fan(s)	1	1	None
	Acoustic Noise @ 25°C	22.5dBA	22.5dBA	0dBA
	Width x Depth x Height	328 x 169 x 43 mm (12.9 x 6.7 x 1.7 in)	328 x 169 x 43 mm (12.9 x 6.7 x 1.7 in)	236 x 102 x 27 mm (9.3 x 4.0 x 1.1 in)
	Weight	1.38 kg (3.04 lb)	1.49 kg (3.28 lb)	0.74 kg (1.63 lb)
Electromagnetic Compliance	(Class A or B)	B	B	
Warranty	Hardware/Switch	Lifetime* Limited	Lifetime* Limited	Lifetime* Limited
	Power Supply	Internal (same as switch)	Internal (same as switch)	2 years
ProSUPPORT Maintenance Contracts***	OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year	PMB0311 PMB0331 PMB0351	PMB0311 PMB0331 PMB0351	PMB0S12 PMB0S32 PMB0S52

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

Smart Managed Plus, L2, Gigabit

MODEL		GS105E	GS105PE	GS108E	GS116E
Port Configuration	10M/100M/1G RJ45 Copper Ports (Auto Uplink)	5	5	8	16
PoE	PoE (15.4W) 802.3af Ports		2		
	Total PoE/PoE+ Budget		PoE pass-thru: - With AT in: 19.0W - With AF in: 7.9W		
Scalability	# MAC Addresses	2K	2K	4K	16K
	Dynamic MAC	✔	✔	✔	✔
System Management	Single IP Management	✔	✔	✔	✔
	Web Managed/GUI	✔	✔	✔	✔
	DHCP (Client/Server)	DHCP Client	DHCP Client	DHCP Client	DHCP Client
	Port Mirroring	Many-to-One	Many-to-One	Many-to-One	Many-to-One
Quality of Service	Number of Priority Queues	4	4	4	4
	Traffic Prioritization	802.1p, Port-based and DSCP	802.1p, Port-based and DSCP	802.1p, Port-based and DSCP	802.1p, Port-based (CoS)
	Auto Voice VLAN				
Multicast Filtering	IGMP Snooping Version	v1, v2 and v3	v1, v2 and v3	v1, v2 and v3	v1, v2 and v3
Performance	Bandwidth	10 Gbps	10 Gbps	16 Gbps	32 Gbps
	Buffer Memory	128 KB	128 KB	192 KB	768 KB
	Jumbo Frames	9,216 bytes	9,216 bytes	9,720 bytes	9,216 bytes
Traffic Management	Number of 802.1q VLAN/Number of VLAN Group	64	64	32	100
	Port Trunking/Link Aggregation (Manual Static LAGs)				Static LAG
	Rate Limiting	✔	✔	✔	✔
	Broadcast Storm Control	✔	✔	✔	✔
Energy Efficiency	IEEE 802.3az	✔	✔	✔	✔
	Auto Port Power Down	✔	✔	✔	✔
	Dynamic Power Consumption				✔
	Max Power Consumption	2.6W	2W (no PoE) 22W (with PoE max)	4.5W	10W
Physical	Desktop/Rackmount/Click	Desktop, Wallmount	Desktop, Wallmount	Desktop, Wallmount	Desktop, Wallmount
	Metal/Plastic Enclosure	Metal	Metal	Metal	Metal
	MTBF @ 25°C	2,531,294 hrs (290 yrs)	1,685,972 hrs (193 yrs)	2,525,259 hrs (289 yrs)	504,993 hrs (58 yrs)
	Fan(s)	None	None	None	None
	Acoustic Noise at 25°C	0dB	0dB	0dB	0dB
	Width x Depth x Height	94 x 100 x 27 mm (3.7 x 3.9 x 1.1 in)	158 x 100 x 27 mm (6.2 x 3.9 x 1.1 in)	158 x 101 x 29 mm (6.2 x 4.0 x 1.1 in)	286 x 101 x 26 mm (11.3 x 4.0 x 1 in)
	Weight	0.25 kg (0.55 lb)	0.49 kg (1.08 lb)	0.50 kg (1.10 lb)	0.84 kg (1.85 lb)
Electromagnetic Compliance	Class (A or B)	B	B	B	A
Warranty Hardware*		Lifetime* Limited	Lifetime* Limited	Lifetime* Limited	Lifetime* Limited
Warranty Power Supply		2 years	2 years	2 years	2 years
ProSUPPORT Maintenance Contracts***	OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year	PMB0S11 PMB0S31 PMB0S51	PMB0S11 PMB0S31 PMB0S51	PMB0S11 PMB0S31 PMB0S51	PMB0S12 PMB0S32 PMB0S52

Smart Managed Plus Switches

Smart Managed Plus, L2, Gigabit

MODEL		GS305E	GS308E	JGS516PE
Port Configuration	10M/100M/1G RJ45 Copper Ports (Auto Uplink)	5	8	16
PoE	PoE (15.4W) 802.3af Ports			8
	Total PoE/PoE+ Budget			85W
Scalability	# MAC Addresses	2K	4K	16K
	Dynamic MAC			✔
System Management	Single IP Management	✔	✔	✔
	Web Managed/GUI	✔	✔	✔
	DHCP (Client/Server)	DHCP Client	DHCP Client	DHCP Client
	Port Mirroring	Many-to-One	Many-to-One	Many-to-One
Quality of Service	Number of Priority Queues	4	4	4
	Traffic Prioritization	802.1p, Port-based (CoS)	802.1p, Port-based (CoS)	802.1p, Port-based (CoS)
	Auto Voice VLAN			
Multicast Filtering	IGMP Snooping Version	v1, v2 and v3	v1, v2 and v3	v1, v2 and v3
Performance	Bandwidth	10 Gbps	16 Gbps	32 Gbps
	Buffer Memory	128 KB	192 KB	768 KB
	Jumbo Frames	9,216 bytes	9,720 bytes	9,216 bytes
Traffic Management	Number of 802.1q VLAN/Number of VLAN Group	64	32	100
	Port Trunking/Link Aggregation (Manual Static LAGs)			Static LAG
	Rate Limiting	✔	✔	✔
	Broadcast Storm Control	✔	✔	✔
Energy Efficiency	IEEE 802.3az			✔
	Auto Port Power Down			✔
	Dynamic Power Consumption			✔
	Max Power Consumption	2.6W	4.45W	25W (no PoE) 110W (with PoE max)
Physical	Desktop/Rackmount/Click	Desktop, Wallmount	Desktop, Wallmount	Desktop, Rackmount
	Metal/Plastic Enclosure	Metal	Metal	Metal
	MTBF @ 25°C	2,531,294 hrs	2,525,259 hrs	840,354 hrs (96 yrs)
	Fan(s)	None	None	1
	Acoustic Noise at 25°C	0dB	0dB	24.5dB
	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)	328 x 170 x 43 mm (12.9 x 6.7 x 1.7 in)
	Weight	0.25 kg (0.55 lb)	0.50 kg (1.10 lb)	1.67 kg (3.68 lb)
Electromagnetic Compliance	Class (A or B)	B	B	A
Warranty Hardware*		3 years	3 years	Lifetime* Limited
Warranty Power Supply		External (same as switch)	External (same as switch)	Internal (same as switch)
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	PMB0S12 PMB0S32 PMB0S52

Smart Managed Plus Switches

Smart Managed Plus, L2, Gigabit

MODEL		JGS524E	JGS524PE	GS750E	GS908E
Port Configuration	10M/100M/1G RJ45 Copper Ports (Auto Uplink)	24	24	48	8
	10G SFP+ Fiber Ports			2 Combo SFP	
PoE	PoE (15.4W) 802.3af Ports		12		
	Total PoE/PoE+ Budget		100W		
Scalability	# MAC Addresses	16K	16K	16K	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	Many-to-One	One-to-One
Quality of Service	Number of Priority Queues	4	4	8	4
	Traffic Prioritization	802.1p, Port-based (CoS)	802.1p, Port-based (CoS)	802.1p, Port-based (CoS)	802.1p, Port-based and DSCP
	Auto Voice VLAN			✔	Manual
Multicast Filtering	IGMP Snooping Version	v1, v2 and v3	v1, v2 and v3	v1, v2, and v3	v1, v2, and v3
Performance	Bandwidth	48 Gbps	48 Gbps	100 Gbps	16 Gbps
	Buffer Memory	768 KB	768 KB	1.5 MB	192 KB
	Jumbo Frames	9,216 bytes	9,216 bytes	9,216 bytes	9,216 bytes
Traffic Management	Number of 802.1q VLAN/Number of VLAN Group	100	100	4096	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	13.8W	23W (no PoE) 123W (with PoE max)	30W	3.3W (no USB charging) 26.3W (with both USB)
Physical	Desktop/Rackmount/Click	Desktop, Rackmount	Desktop, Rackmount	Desktop, Rackmount	Desktop, Wallmount
	Metal/Plastic Enclosure	Metal	Metal	Metal	Plastic
	MTBF @ 25°C	243,476 hrs (28 yrs)	643,506 hrs (74 yrs)	1,055,076 hrs (121 yrs)	4,225,498 hrs (484 yrs)
	Fan(s)	None	1	None	None
	Acoustic Noise at 25°C	0dB	24.5dB	0dB	0dB
	Width x Depth x Height	328 x 170 x 43 mm (12.9 x 6.9 x 1.7 in)	328 x 169 x 43 mm (12.9 x 6.7 x 1.7 in)	440 x 204 x 43 mm (17.3 x 8.0 x 1.7 in)	234 x 164 x 33 mm (9.2 x 6.5 x 1.3 in)
	Weight	1.4 kg (3.09 lb)	1.84 kg (4.06 lb)	3.25 kg (7.17 lb)	0.36 kg (0.80 lb)
Electromagnetic Compliance	Class (A or B)	A	A	A	B
Warranty Hardware*		Lifetime* Limited	Lifetime* Limited	Lifetime* Limited	3 years
Warranty Power Supply		Internal (same as switch)	Internal (same as switch)	Internal (same as switch)	3 years
ProSUPPORT Maintenance Contracts***	OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year	PMB0S12 PMB0S32 PMB0S52	PMB0S12 PMB0S32 PMB0S52	PMB0311 PMB0331 PMB0351	PMB0S11 PMB0S31 PMB0S51

Smart Managed Plus Switches

		Smart Managed Plus, L2, Gigabit with 10G/Multi-Gig Uplinks	Smart Managed Plus, L2, 10G/Multigig		Smart Managed Plus, L2, 10G Ethernet	
MODEL		GS110EMX	XS512EM	XS724EM	XS708EV2	XS716E
Port Configuration	10M/100M/1G RJ45 Copper Ports (Auto Uplink)	8				
	1G/10GBASE-T RJ45 Copper Ports (Auto Uplink)				8	16
	100M/1G/2.5G/5G/10G RJ45 Copper Ports (Auto Uplink)		12	24		
	10G SFP+ Fiber Ports		2 Combo SFP+ (10G)	2 Combo SFP+ (10G)	1 Combo SFP+ (10G)	1 Combo SFP+ (10G)
Scalability	# MAC Addresses	16K	32K	32K	16K	16K
	Dynamic MAC	✔	✔	✔	✔	✔
System Management	Single IP Management	✔	✔	✔	✔	✔
	Web Managed/GUI	✔	✔	✔	✔	✔
	DHCP (Client/Server)	DHCP Client	DHCP Client	DHCP Client	DHCP Client	DHCP Client
	Port Mirroring	Many-to-One	Many-to-One	Many-to-One	Many-to-One	Many-to-One
Quality of Service	Number of Priority Queues	8	8	8	4	4
	Traffic Prioritization	802.1p, Port-based (CoS)	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	v1, v2
Performance	Bandwidth	56 Gbps	240 Gbps	480 Gbps	160 Gbps	160 Gbps
	Buffer Memory	2 MB	3 MB	3 MB	16 MB	16 MB
	Jumbo Frames	10,240 bytes	9,216 bytes	9,216 bytes	9,216 bytes	9,216 bytes
Traffic Management	Number of 802.1q VLAN/Number of VLAN Group	64	64	64	64	64
	Port Trunking/Link Aggregation (Manual Static LAGs)	Static, LACP	Static, LACP	Static, LACP	Static	Static
	Rate Limiting	✔	✔	✔	✔	✔
	Broadcast Storm Control	✔	✔	✔	✔	✔
Energy Efficiency	IEEE 802.3az	✔	✔	✔	✔	✔
	Auto Port Power Down	✔			✔	✔
	Dynamic Power Consumption	✔				
	Max Power Consumption	15.6W	75.6W	150.5W	44W	62W
Physical	Desktop/Rackmount/Click	Desktop, Rackmount	Desktop, Rackmount	Desktop, Rackmount	Desktop, Rackmount	Desktop, Rackmount
	Metal/Plastic Enclosure	Metal	Metal	Metal	Metal	Metal
	MTBF @ 25°C	1,572,337 hrs (180 yrs)	1,113,477 hrs (127 yrs)	830,493 hrs (95 yrs)	397,731 hrs (45 yrs)	348,257 hrs (40 yrs)
	Fan(s)	None	2	3	2	2
	Acoustic Noise at 25°C	0dB	Idle : 29.13dB@25dC/ Full load: 40.85dB@55dC	Idle: 35.91dB@25dC/ Full load: 56.87dB@55dC	36.7dB	33.9dB
	Width x Depth x Height	236 x 102 x 27 mm (9.3 x 4.0 x 1.1 in)	328 x 204 x 43 mm (12.9 x 8.0 x 1.7 in)	440 x 204 x 43 mm (17.3 x 8.0 x 1.7 in)	330 x 207 x 43 mm (13 x 8.2 x 1.7 in)	330 x 207 x 43 mm (13 x 8.2 x 1.7 in)
	Weight	0.75 kg (1.65 lb)	2.51 kg (5.54 lb)	3.72 kg (8.20 lb)	2.80 kg (6.17 lb)	3.20 kg (7.05 lb)
Electromagnetic Compliance	Class (A or B)	B	A	A	A	A
Warranty Hardware*		Lifetime* Limited	Lifetime* Limited	Lifetime* Limited	Lifetime* Limited	Lifetime* Limited
Warranty Power Supply		2 years	Internal (same as switch)	Internal (same as switch)	Internal (same as switch)	Internal (same as switch)
ProSUPPORT Maintenance Contracts***	OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year	PMB0S12 PMB0S32 PMB0S52	PMB0S12 PMB0S32 PMB0S52	PMB0312 PMB0332 PMB0352	PMB0311 PMB0331 PMB0351	PMB0312 PMB0332 PMB0352

Smart Managed Plus Switches

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

MODEL		GSS108E	GSS108EPP	GSS116E	GS408EPP
Port Configuration	10M/100M/1G RJ45 Copper Ports (Auto Uplink)	8	8	16	8
PoE	PoE (15.4W) 802.3af Ports		4		8
	Total PoE/PoE+ Budget		47W		124W
Scalability	# MAC Addresses	8K	4K	8K	4K
	Web Managed/GUI	✓	✓	✓	✓
System Management	Single IP Management	✓	✓	✓	✓
	Web Managed/GUI	✓	✓	✓	✓
	DHCP (Client/Server)	DHCP Client	DHCP Client	DHCP Client	DHCP Client
	Port Mirroring	One-to-One	One-to-One	Many-to-one	One-to-One
Quality of Service	Number of Priority Queues	4	4	4	4
	Traffic Prioritization	802.1p, Port-based and DSCP	802.1p, Port-based and DSCP	802.1p, Port-based and DSCP	802.1p, Port-based and DSCP
	Auto Voice VLAN				
Multicast Filtering	IGMP Snooping Version	v1, v2 and v3	v1, v2 and v3	v1, v2 and v3	v1, v2 and v3
Performance	Bandwidth	16 Gbps	16 Gbps	32 Gbps	16 Gbps
	Buffer Memory	128 KB	192 KB	512 KB	192 KB
	Jumbo Frames	16,367 bytes	9,216 bytes	9,216 bytes	9,216 bytes
Traffic Management	Number of 802.1q VLAN/Number of VLAN Group	64	64	128	64
	Port Trunking/Link Aggregation (Manual Static LAGs)		Static LAG	Static LAG	Static
	Rate Limiting	✓	✓	✓	✓
	Broadcast Storm Control	✓	✓	✓	✓
Energy Efficiency	IEEE 802.3az	✓	✓	✓	✓
	Auto Port Power Down	✓	✓	✓	✓
	Dynamic Power Consumption	✓	✓	✓	✓
	Max Power Consumption	4.2W (No USB Charging) 20.2W (USB Charging)	5.31W (no PoE) 57.35W (with PoE max)	8.4W	5.8W (no PoE) 148W (with PoE max)
Physical	Desktop/Rackmount/Click	Anywhere (except Rackmount)	Anywhere (except Rackmount)	Anywhere (except Rackmount)	Anywhere + Rackmount
	Metal/Plastic Enclosure	Plastic	Metal	Metal	Metal
	MTBF @ 25°C	1,031,177 hrs (118 yrs)	1,494,913 hrs (171 yrs)	721,479 hrs	2,715,369 hrs (311 yrs)
	Fan(s)	None	None	None	1
	Acoustic Noise at 25°C	0dB	0dB	0dB	26.9dB
	Width x Depth x Height	305 x 65 x 35 mm (12.0 x 2.6 x 1.4 in)	305 x 65 x 35 mm (12.0 x 2.6 x 1.4 in)	407 x 70 x 36 mm (16.0 x 2.8 x 1.4 in)	380 x 100 x 43 mm (15.0 x 3.9 x 1.7 in)
	Weight	0.44 kg (0.97 lb)	0.93 kg (2.05 lb)	1.30 kg (2.87 lb)	1.6 kg (3.53 lb)
Electromagnetic Compliance	Class (A or B)	B	B	B	A
Warranty Hardware*		Lifetime* Limited	Lifetime* Limited	Lifetime* Limited	Lifetime* Limited
Warranty Power Supply		Internal (same as switch)	Internal (same as switch)	Internal (same as switch)	Internal (same as switch)
ProSUPPORT Maintenance Contracts***	OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year	PMB0S11 PMB0S31 PMB0S51	PMB0S12 PMB0S32 PMB0S52	PMB0S12 PMB0S32 PMB0S52	PMB0S12 PMB0S32 PMB0S52

Smart Managed Pro Switches – Advanced Network Control & Security with Web Management

Smart Managed Pro, L2, 10/100 Fast Ethernet

MODEL		FS728TLP	FS728TPv2
Port Configuration	10/100 RJ45 Ports (Auto Uplink)	24	24
	10/100/1000 RJ45 Ports (Auto Uplink)	4	4
	Fiber Ports	2 SFP	2 SFP
PoE	Power Over Ethernet 802.3af Ports	12	24
	PoE Plus (30W) 802.3at Ports		
	Total PoE Budget	100W	192W
Scalability	# MAC Addresses	8,000	4,000
	# ACL Rules	128	128
System Management	Web Managed/GUI	✓	✓
	SNMP Version	v1, v2c, v3	v1, v2c, v3
	RMON Group	1,2,3,9	1,2,3,9
	DHCP (Client/Server)	Client	Client
	Port Mirroring	Many-to-One	Many-to-One
Quality of Service	Number of Priority Queues	8	4
	Traffic Prioritization	802.1p and DSCP	802.1p, DSCP, Diffserv
	Auto Voice VLAN	✓	
Multicast Filtering	IGMP Snooping Version	v1, v2, v3	v1, v2, v3
	IGMP Snooping Querier		✓
Performance	Bandwidth	12.8 Gbps	12.8 Gbps
	Buffer Memory	4 MB Per System	1 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
	RPS Redundant Power Supply		
	Modular Power Supply		
Traffic Management	Number of 802.1q VLAN/Number of VLAN Group	128	128
	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)	Supports	Supports
	ACL - Access Control Lists	MAC, IP	MAC, IP
	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		
	Max Power Consumption	124W	256W
Physical	Desktop/Rackmount/Click	Rackmount	Rackmount
	Metal/Plastic Enclosure	Metal	Metal
	MTBF @ 25°C	755,725 hrs (86 yrs)	237,497 hrs (27 yrs)
	Fan(s)	1	1
	Acoustic Noise @ 25°C	30.7dBA	38.1dBA
	Width x Depth x Height	440 x 204 x 43 mm (17.3 x 8.0 x 1.7 in)	440 x 257 x 43 mm (17.3 x 10.1 x 1.7 in)
	Weight	2.92 kg (6.44 lb)	3.60 kg (7.92 lb)
Electromagnetic Compliance	Class (A or B)	A	A
Warranty Hardware		Lifetime	Lifetime
Warranty Power Supply		Lifetime	Lifetime
Modules		AGM731F/732F	AGM731F/732F
ProSUPPORT Maintenance PKGS	OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year	PMB0311 PMB0331 PMB0351	PMB0311 PMB0331 PMB0351

Smart Managed Pro Switches

Smart Managed Pro, L2, Gigabit - S350 Series

MODEL		GS308T	GS310TP	GS324T	GS324TP	GS348T
Port Configuration	10/100 RJ45 Ports (Auto Uplink)					
	10/100/1000 RJ45 Ports (Auto Uplink)	8	8	24	24	48
	Fiber Ports		2 SFP	2 SFP	2 SFP	4 SFP
	10Gig Module Bays					
PoE	Power Over Ethernet 802.3af Ports					
	PoE Plus (30W) 802.3at Ports		8		24	
	Total PoE Budget		55 Watts		190 Watts	
Scalability	# MAC Addresses	8000	8000	16000	16000	16000
	ARP Table – Size of					
	# Routing Entries					
	# ACL Rules	100	100	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	v1, v2c, v3	v1, v2c, v3
	RMON Group	1,2,3,9	1,2,3,9	1,2,3,9	1,2,3,9	1,2,3,9
	DHCP (Client/Server)	Client	Client	Client	Client	Client
	Port Mirroring	Many-to-One	Many-to-One	Many-to-One	Many-to-One	Many-to-One
	IPv6 full set	✓	✓			
Quality of Service	Number of Priority Queues	8	8	4	4	8
	Traffic Prioritization	802.1p, DSCP,TCP/UDP Diffserv	802.1p, DSCP,TCP/UDP Diffserv	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	v1, v2, v3	v1, v2, v3
	IGMP Snooping Querier	✓	✓	✓	✓	✓
Performance	Bandwidth	16 Gbps	20 Gbps	52 Gbps	52 Gbps	104 Gbps
	Buffer Memory	512 KB Per Unit	512 KB Per Unit	512 KB Per Unit	512 KB Per Unit	1.5MB Per Unit
	Jumbo Frames	10,000	10,000	9,216	9,216	9,216
Availability	Spanning Tree 802.1d/RSTP .1w/MSTP .1s	802.1d, .1w, .1s	802.1d, .1w, .1s	802.1d, .1w, .1s	802.1d, .1w, .1s	802.1d, .1w, .1s
Traffic Management	Number of 802.1q VLAN/Number of VLAN Group	64	64	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	MAC, IP	MAC, IP
	SSL/SSH & HTTPS	HTTPS	HTTPS	HTTPS	HTTPS	HTTPS
	Guest VLAN	✓	✓	✓	✓	✓
	DHCP Snooping/IP Source Guard/ARP Guard	✓	✓	✓	✓	✓
	TACACS+	✓	✓	✓	✓	✓
Energy Efficiency	IEEE 802.3az	✓	✓	✓	✓	✓
	Auto Port Power Down	✓	✓	✓	✓	✓
	Dynamic Power Consumption	✓	✓	✓	✓	✓
	Max Power Consumption	6.4 Watts	15.1 Watts without PoE 69.3 Watts with PoE Max	13.5 Watts	16.3 Watts without PoE 229.9 Watts with PoE Max	39.1 Watts
Physical	Desktop/Rackmount/Click	Desktop	Desktop	Rackmount	Rackmount	Rackmount
	Metal/Plastic Enclosure	Metal	Metal	Metal	Metal	Metal
	MTBF @ 25°C	2,957,592 hrs (337 yrs)	1,081,119 hrs (123yrs)	1,999,946.7 hrs (228 yrs)	1,328,429.4 hrs (152 yrs)	1,271,842 hrs (145 yrs)
	Fan(s)	None	None	None	2	1
	Acoustic Noise @ 25°C	0 dBA	0 dBA	0 dBA	32.8 dBA	26.0 dBA
	Width x Depth x Height	158 x 101 x 30 mm (6.2 x 4.0 x 1.2 in)	236 x 101 x 30 mm (9.3 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)	440 x 206 x 43 mm (17.3 x 8.1 x 1.7 in)
	Weight	0.41kg (0.9 lb)	0.61kg (1.34 lb)	1.62 kg (3.57 lb)	2.69 kg (5.93 lb)	3.05 kg (6.72 lb)
Electromagnetic Compliance	Class (A or B)	B	B	B	B	B
Warranty Hardware*		5 year	5 year	5 year	5 year	5 year
Warranty Power Supply		2 year	2 year	5 year	5 year	5 year
Modules			AGM731F/AGM732F/ AGM734	AGM731F AGM732F AGM734	AGM731F AGM732F AGM734	AGM731F AGM732F AGM734
ProSUPPORT Maintenance PKGS***	OnCall 24x7 3-year	PMB0S31	PMB0S32	PMB0S32	PMB0331	PMB0331

Smart Managed Pro Switches

Smart Managed Pro, L2, Gigabit

MODEL		GS108Tv2	GS110TPv2	GS716Tv3	GS516TP
Port Configuration	10/100/1000 RJ45 Ports (Auto Uplink)	8	8	16	16
	Fiber Ports		2 SFP	2 dedicated SFP	
PoE	Power Over Ethernet 802.3af Ports		8		8 POE and 2 PD
	PoE Plus (30W) 802.3at Ports				
	Total PoE Budget		46W		76W with AC power, up to 22W with PD power
Scalability	# MAC Addresses	8,000	8,000	16,000	8,000
	ARP Table – Size of			512	1,024
	# Routing Entries			32	
	# ACL Rules	100	100	100	164
System Management	Web Managed/GUI	✓	✓	✓	✓
	Insight Management	✓	✓		
	SNMP Version	v1, v2c, v3	v1, v2c, v3	v1, v2c, v3	v1, v2c, v3
	RMON Group	1,2,3,9	1,2,3,9	1,2,3,9	1,2,3,9
	DHCP (Client/Server)	Client	Client	Client	Client
	Port Mirroring	Many-to-One	Many-to-One	Many-to-One	Many-to-One
	IPv6 full set			✓	✓
Quality of Service	Number of Priority Queues	4	4	8	4
	Traffic Prioritization	802.1p, DSCP, Diffserv	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	v1, v2, v3
	IGMP Snooping Querier			✓	✓
Performance	Bandwidth	16 Gbps	16 Gbps	32 Gbps	48 Gbps
	Buffer Memory	512 KB Per Unit	512 KB Per Unit	2 MB Per System	8 MB Per System
	Jumbo Frames	10,000	10,000	9,216	10,240
Availability	Spanning Tree 802.1d/RSTP .1w/MSTP .1s	802.1d, .1w, .1s	802.1d, .1w, .1s	802.1d, .1w, .1s	802.1d, .1w, .1s
Traffic Management	Number of 802.1q VLAN/Number of VLAN Group	64	64	256	256
	Link Aggregation 802.3ad/LACP	✓	✓	✓	✓
	Discovery Protocol LLDP 802.1ab	✓	✓	✓	✓
	Rate Limiting	✓	✓	✓	✓
	Broadcast Storm Control	✓	✓	✓	✓
L3 Routing	IPv4 Static Routing			✓	✓
Security	IEEE 802.1x (RADIUS)	✓	✓	✓	✓
	ACL - Access Control Lists	MAC, IP	MAC, IP	MAC, IP	MAC, IP
	SSL/SSH & HTTPS	HTTPS	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	12.78W if powered by PoE via port 18.3W (AC) 6W(DC)	60W	14.4W	92.1W
Physical	Desktop/Rackmount/Click	Desktop	Desktop	Rackmount	Rackmount
	Metal/Plastic Enclosure	Metal	Metal	Metal	Metal
	MTBF @ 25°C	275,533 hrs (31 yrs)	157,004 hrs (18 yrs)	726,612 hrs (83 yrs)	479,350 hrs (55 yrs)
	Fan(s)	None	None	None	1
	Acoustic Noise @ 25°C	0dBA	0dBA	0dBA	24.6dBA
	Width x Depth x Height	158 x 105 x 27 mm (6.2 x 4.1 x 1.1 in)	2236 x 102 x 27 mm (9.3 x 4.0 x 1.1 in)	440 x 204 x 43 mm (1.7 x 17.3 x 8.0 in)	328 x 169 x 43 mm (12.9 x 6.7 x 1.7 in)
	Weight	0.56 kg (1.23 lb)	0.70 kg (1.54 lb)	2.72 kg (5.99 lb)	2.21 kg (4.87 lb)
Electromagnetic Compliance	Class (A or B)	A	B	A	A
Warranty Hardware		Lifetime	Lifetime	Lifetime	Lifetime
Warranty Power Supply		2 years	2 years	Lifetime	Lifetime
Modules				AGM731F/732F	AGM731F/732F
ProSUPPORT Maintenance PKGS	OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year	PMB0S11 PMB0S31 PMB0S51	PMB0S12 PMB0S32 PMB0S52	PMB0S12 PMB0S32 PMB0S52	PMB0311 PMB0331 PMB0351

Smart Managed Pro Switches

Smart Managed Pro, L2+ with static routing, Gigabit

MODEL		GS510TLP	GS510TPP	GS418TPP
Port Configuration	10/100/1000 RJ45 Ports (Auto Uplink)	8	8	16
	Fiber Ports	2	2	2
PoE	Power Over Ethernet 802.3af Ports			
	PoE Plus (30W) 802.3at Ports	8	8	16
	Total PoE Budget	75W	190W	240W
Scalability	# MAC Addresses	16K	16K	16K
	ARP Table – Size of	479	479	479
	# Routing Entries	32	32	32
	# ACL Rules	100	100	100
System Management	Single IP Management	✔	✔	✔
	Web Managed/GUI	Yes	Yes	Yes
	SNMP Version	v1, v2c, v3	v1, v2c, v3	v1, v2c, v3
	RMON Group	Yes	Yes	Yes
	DHCP (Client/Server)	Client	Client	Client
	Port Mirroring	Yes	Yes	Yes
	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	36 Gbps
	Buffer Memory	1.5 MB per system	1.5 MB per system	1.5 MB per system
	Jumbo Frames	9,216	9,216	9,216
Availability	Spanning Tree 802.1d/RSTP .1w/MSTP .1s	802.1d, .1w, .1s	802.1d, .1w, .1s	802.1d, .1w, .1s
Traffic Management	Number of 802.1q VLAN/Number of VLAN Group			
	Link Aggregation 802.3ad/LACP	✔	✔	✔
	Discovery Protocol LLDP 802.1ab	✔	✔	✔
	Rate Limiting	✔	✔	✔
	Broadcast Storm Control	✔	✔	✔
L3 Routing	IPv4 Static Routing	✔	✔	✔
Security	IEEE 802.1x (RADIUS)	✔	✔	✔
	ACL - Access Control Lists	MAC, IP, TCP	MAC, IP, TCP	MAC, IP, TCP
	SSL/SSH & HTTPS	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	282.3W
Physical	Desktop/Rackmount/Click	Desktop/Rackmount	Desktop/Rackmount	Desktop/Rackmount
	Metal/Plastic Enclosure	Metal	Metal	Metal
	MTBF @ 25°C	913,368 hrs (104 yrs)	1,509,979 hrs (172 yrs)	1,364,013 hrs (156 yrs)
	Fan(s)	None	1	2
	Acoustic Noise @ 25°C	0dBA	32dBA	33dBA
	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 100 x 43 mm (17.3 x 3.9 x 1.7 in)
	Weight	1.74 kg (3.84 lb)	1.83 kg (4.03 lb)	2.14 kg (4.72 lb)
Electromagnetic Compliance	Class (A or B)	A	A	A
Warranty Hardware		Lifetime	Lifetime	Lifetime
Warranty Power Supply		Lifetime	Lifetime	Lifetime
Modules		AFM735/AGM731F/ AGM732F/AGM734	AFM735/AGM731F/ AGM732F/AGM734	AFM735/AGM731F/ AGM732F/AGM734
ProSUPPORT Maintenance PKGS	OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year	PMB0S12 PMB0S32 PMB0S52	PMB0311 PMB0331 PMB0351	PMB0311 PMB0331 PMB0351

Smart Managed Pro Switches

Smart Managed Pro, L2+ with static routing, Gigabit

MODEL		GS724Tv4	GS748Tv5
Port Configuration	10/100 RJ45 Ports (Auto Uplink)		
	10/100/1000 RJ45 Ports (Auto Uplink)	24	48
	Fiber Ports	2 dedicated SFP	2 dedicated and 2 combo SFP
	10Gig Module Bays		
PoE	Power Over Ethernet 802.3af Ports		
	PoE Plus (30W) 802.3at Ports		
	Total PoE Budget		
Scalability	# MAC Addresses	16,000	16,000
	ARP Table – Size of	512	512
	# Routing Entries	32	32
	# ACL Rules	100	100
System Management	Single IP Management		
	Web Managed/GUI	✔	✔
	Command Line Interface/RS232 Console/Telnet		
	SNMP Version	v1, v2c, v3	v1, v2c, v3
	RMON Group	1,2,3,9	1,2,3,9
	DHCP (Client/Server)	Client	Client
	Port Mirroring	Many-to-One	Many-to-One
	IPv6 full set	✔	✔
Quality of Service	Number of Priority Queues	8	8
	Traffic Prioritization	802.1p, DSCP, Diffserv	802.1p, DSCP, Diffserv
	Auto Voice VLAN	✔	✔
Multicast Filtering	IGMP Snooping Version	v1, v2, v3	v1, v2, v3
	IGMP Snooping Querier	✔	✔
Performance	Bandwidth	48 Gbps	100 Gbps
	Buffer Memory	2 MB Per System	2 MB Per System
	Jumbo Frames	9,216	9,216
Availability	Spanning Tree 802.1d/RSTP .1w/MSTP .1s	802.1d, .1w, .1s	802.1d, .1w, .1s
Traffic Management	Number of 802.1q VLAN/Number of VLAN Group	256	256
	Link Aggregation 802.3ad/LACP	✔	✔
	Discovery Protocol LLDP 802.1ab	✔	✔
	Rate Limiting	✔	✔
	Broadcast Storm Control	✔	✔
L3 Routing	IPv4 Static Routing	✔	✔
Security	IEEE 802.1x (RADIUS)	✔	✔
	ACL - Access Control Lists	MAC, IP	MAC, IP
	SSL/SSH & HTTPS	SSL/HTTPS	SSL/HTTPS
	Guest VLAN	✔	✔
	DHCP Snooping/IP Source Guard/ARP Guard	✔	✔
	TACACS+	✔	✔
Energy Efficiency	IEEE 802.3az	✔	✔
	Auto Port Power Down		
	Dynamic Power Consumption	✔	✔
	Max Power Consumption	17.4W	41.1W
Physical	Desktop/Rackmount/Click	Rackmount	Rackmount
	Metal/Plastic Enclosure	Metal	Metal
	MTBF @ 25°C	567,680 hrs (65 yrs)	390,728 hrs (45 yrs)
	Fan(s)	None	2
	Acoustic Noise @ 25°C	0dBA	37.2dBA
	Width x Depth x Height	440 x 204 x 43 mm ((1.7 x 17.3 x 8.0 in)	440 x 257 x 43 mm (17.3 x 10.1 x 1.7 in)
	Weight	2.87 kg (6.33 lb)	3.46 kg (7.63 lb)
Electromagnetic Compliance	Class (A or B)	A	A
Warranty Hardware		Lifetime	Lifetime
Warranty Power Supply		Lifetime	Lifetime
Modules		AGM731F/732F	AGM731F/732F
ProSUPPORT Maintenance PKGS	OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year	PMB0311 PMB0331 PMB0351	PMB0311 PMB0331 PMB0351

Smart Managed Pro Switches

Smart Managed Pro, L2+ with static routing, Gigabit

MODEL		GS752TSB	GS752TPSB	S3300-28X (GS728TX)	S3300-52X (GS752TX)
Port Configuration	10/100/1000 RJ45 Ports (Auto Uplink)	48	48	24 / 2 10GBase-T	48 / 2 10GBase-T
	Fiber Ports	4 SFP	4 SFP	2 SFP+ (10G)	2 SFP+ (10G)
PoE	Power Over Ethernet 802.3af Ports		48		
	PoE Plus (30W) 802.3at Ports		8		
	Total PoE Budget		384W		
Stacking	Number of Dedicated Stacking Ports	2 SFP (2.5G)	2 SFP (2.5G)	Up to 2 10G ports	Up to 2 10G ports
	Stacking Bandwidth	10 Gbps	10 Gbps	40 Gbps	40 Gbps
	Stacking (maximum capacity)	6 units or 300 ports	6 units or 300 ports	6 units or 300 ports	6 units or 300 ports
	Stacking Compatibility	GS7XXTSB/GSXXTPSB	GS7XXTSB/GSXXTPSB	S3300 series, M4300-12X12F, M4300-24X	S3300 series, M4300-12X12F, M4300-24X
Scalability	# MAC Addresses	16,000	16,000	16,000	16,000
	ARP Table – Size of	1,024	1,024	512	512
	# Routing Entries	32	32	32	32
	# ACL Rules	100	100	100	100
System Management	Single IP Management	✓	✓	✓	✓
	Web Managed/GUI	✓	✓	✓	✓
	SNMP Version	v1, v2c, v3	v1, v2c, v3	v1, v2c, v3	v1, v2c, v3
	RMON Group	1,2,3,9	1,2,3,9	1,2,3,9	1,2,3,9
	DHCP (Client/Server/Relay)	Client	Client	Client/L2 Relay	Client/L2 Relay
	Port Mirroring	Many-to-One	Many-to-One	Many-to-One	Many-to-One
	IPv6 full set	✓	✓	✓	✓
Quality of Service	Number of Priority Queues	8	8	8	8
	Traffic Prioritization	802.1p	802.1p, DSCP	802.1p; Diffserv; TCP/UDP	802.1p; Diffserv; TCP/UDP
	Auto Voice VLAN	✓	✓	✓	✓
Multicast Filtering	IGMP Snooping Version	v1, v2, v3	v1, v2, v3	v1, v2, v3	v1, v2, v3
	IGMP Snooping Querier	✓	✓	✓	✓
Performance	Bandwidth	104 Gbps	104 Gbps	128 Gbps	176 Gbps
	Buffer Memory	16 MB Per System	2 MB Per System	2 MB Per System	2 MB Per System
	Jumbo Frames	9,216	9,216	9,216	9,216
Availability	Spanning Tree 802.1d/RSTP .1w/MSTP .1s	802.1d, .1w, .1s	802.1d, .1w, .1s	802.1d, .1w, .1s	802.1d, .1w, .1s
Traffic Management	Number of 802.1q VLAN/Number of VLAN Group	256	256	256	256
	Link Aggregation 802.3ad/LACP	✓	✓	✓	✓
	Discovery Protocol LLDP 802.1ab	✓	✓	✓	✓
	Rate Limiting	✓	✓	✓	✓
	Broadcast Storm Control	✓	✓	✓	✓
L3 Routing	IPv4 Static Routing	✓	✓	✓	✓
Security	IEEE 802.1x (RADIUS)	✓	✓	✓	✓
	ACL - Access Control Lists	MAC, IP	MAC, IP	MAC, IP, TCP	MAC, IP, TCP
	SSL/SSH & HTTPS	HTTPS	HTTPS	HTTPS	HTTPS
	Guest VLAN	✓	✓	✓	✓
	DHCP Snooping/IP Source Guard/ARP Guard	✓	✓	✓	✓
	TACACS+	✓	✓	✓	✓
Energy Efficiency	IEEE 802.3az			✓	✓
	Auto Port Power Down	✓	✓	✓	✓
	Dynamic Power Consumption	✓	✓	✓	✓
	Max Power Consumption	77W	527W	28.18W	748.18W
Physical	Desktop/Rackmount/Click	Rackmount	Rackmount	Rackmount	Rackmount
	Metal/Plastic Enclosure	Metal	Metal	Metal	Metal
	MTBF @ 25°C	303,219 hrs (35 yrs)	206,539 hrs (24 yrs)	278,559 hrs (32 yrs)	147,965 hrs (17 yrs)
	Fan(s)	2	2	2	2
	Acoustic Noise @ 25°C	34.8dBA	42.7dBA	40dBA	39dBA
	Width x Depth x Height	440 x 257 x 43 mm (17.3 x 11.8 x 1.7 in)	440 x 310 x 43 mm (17.3 x 17.0 x 1.7 in)	440 x 257 x 43 mm (17.3 x 10.1 x 1.7 in)	440 x 257 x 43 mm (17.3 x 10.1 x 1.7 in)
	Weight	4.31 kg (11.38 lb)	5.48 kg (16.02 lb)	3.55 kg (7.80 lb)	3.67 kg (8.10 lb)
Electromagnetic Compliance	Class (A or B)	A	A	A	A
Warranty Hardware		Lifetime	Lifetime	Lifetime	Lifetime
Warranty Power Supply		Lifetime	Lifetime	Lifetime	Lifetime
Modules		AGM731F/732F/AGC761	AGM731F/732F	AGM731F/AGM732F; AXM761/ AXM762/AXM763/AXM764/ AXC761/AXC763 AXC761/3/5/7/10/15/20	AGM731F/AGM732F; AXM761/ AXM762/AXM763/AXM764 / AXM765 AXC761/3/5/7/10/15/20
ProSUPPORT Maintenance PKGS	OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year	PMB0312 PMB0332 PMB0352	PMB0312 PMB0332 PMB0352	PMB0312 PMB0332 PMB0352	PMB0312 PMB0332 PMB0352

Smart Managed Pro Switches

Smart Managed Pro, L2+ with static routing, Gigabit

MODEL		S3300-28X-POE+ (GS728TXP)	S3300-52X-POE+ (GS752TXP)	GS752TXS
Port Configuration	10/100/1000 RJ45 Ports (Auto Uplink)	24 / 2 10GBase-T	48 / 2 10GBase-T	48
	Fiber Ports	2 SFP+ (10G)	2 SFP+ (10G)	4 SFP+ (10G)
PoE	Power Over Ethernet 802.3af Ports	24	48	
	PoE Plus (30W) 802.3at Ports	24	48	
	Total PoE Budget	195W/up to 740W with RPS	390W/ up to 1,440W with RPS	
Stacking	Number of Dedicated Stacking Ports	Up to 2 10G ports	Up to 2 10G ports	Up to 2 10G ports
	Stacking Bandwidth	40 Gbps	40 Gbps	40 Gbps
	Stacking (maximum capacity)	6 units or 300 ports	6 units or 300 ports	6 units or 300 ports
	Stacking Compatibility	S3300 series, M4300-12X12F, M4300-24X	S3300 series, M4300-12X12F, M4300-24X	GS7xxTXS
Scalability	# MAC Addresses	16,000	16,000	16,000
	ARP Table – Size of	512	512	1,024
	# Routing Entries	32	32	32
	# ACL Rules	480	480	100
System Management	Single IP Management	✓	✓	✓
	Web Managed/GUI	✓	✓	✓
	SNMP Version	v1, v2c, v3	v1, v2c, v3	v1, v2c, v3
	RMON Group	1,2,3,9	1,2,3,9	1,2,3,9
	DHCP (Client/Server/Relay)	Client/L2 Relay	Client/L2 Relay	Client/L2 Relay
	Port Mirroring	Many-to-One	Many-to-One	Many-to-One
	IPv6 full set	✓	✓	✓
Quality of Service	Number of Priority Queues	8	8	8
	Traffic Prioritization	802.1p; Diffserv; TCP/UDP	802.1p; Diffserv; TCP/UDP	802.1p; Diffserv; TCP/UDP
	Auto Voice VLAN	✓	✓	✓
Multicast Filtering	IGMP Snooping Version	v1, v2, v3	v1, v2, v3	v1, v2, v3
	IGMP Snooping Querier	✓	✓	✓
Performance	Bandwidth	128 Gbps	176 Gbps	176 Gbps
	Buffer Memory	2 MB Per System	2 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	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	MAC, IP, TCP
	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	44.12W	1484.12W	77W
Physical	Desktop/Rackmount/Click	Rackmount	Rackmount	Rackmount
	Metal/Plastic Enclosure	Metal	Metal	Metal
	MTBF @ 25°C	147,965 hrs (17 yrs)	216,809 hrs (25 yrs)	256,119 hrs (29 yrs)
	Fan(s)	3	3	2
	Acoustic Noise @ 25°C	36.8dBA	40dBA	34.8dBA
	Width x Depth x Height	440 x 257 x 43 mm (17.3 x 10.1 x 1.7 in)	440 x 257 x 43 mm (17.3 x 10.1 x 1.7 in)	440 x 257 x 43 mm (17.3 x 10.1 x 1.7 in)
	Weight	3.77 kg (8.30 lb)	3.55 kg (7.80 lb)	4.50 kg (10.00 lb)
Electromagnetic Compliance	Class (A or B)	A	A	A
Warranty Hardware		Lifetime	Lifetime	Lifetime
Warranty Power Supply		Lifetime	Lifetime	Lifetime
Modules		AGM731F/AGM732F; AXM761/ AXM762/AXM763/AXM764 /AXM765/ AXC761/3/5/7/10/15/20; RPS4000 (RPS only)	AGM731F/AGM732F; AXM761/ AXM762/AXM763/AXM764 /AXM765/ AXC761/3/5/7/10/15/20; RPS4000 (RPS only)	AGM731F/AGM732F; AXM761/ AXM762/ AXM763/AXM764 /AXM765/ AXC761/3/5/7/10/15/20
ProSUPPORT Maintenance PKGS	OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year	PMB0312 PMB0332 PMB0352	PMB0313 PMB0333 PMB0353	PMB0313 PMB0333 PMB0353

Smart Managed Pro Switches

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

MODEL		MS510TX	MS510TXPP	XS708T	XS712Tv2
Port Configuration	10/100 RJ45 Ports (Auto Uplink)	N/A	N/A		
	10/100/1000 RJ45 Ports (Auto Uplink)	4x1G/2x2.5G/2x5G/1x10GBase-T	4x1G/2x2.5G/2x5G/1x10GBase-T	8 10GBase-T	12 10GBase-T
	Fiber Ports	1 SFP+ (10G)	1 SFP+ (10G)	2 Combo SFP+ (10G)	2 Combo SFP+ (10G)
	10Gig Module Bays				
PoE	Power Over Ethernet 802.3af Ports				
	PoE Plus (30W) 802.3at Ports		8 (PoE+)		
	Total PoE Budget		180W		
Stacking	Number of Dedicated Stacking Ports				
	Stacking Bandwidth				
	Stacking (maximum capacity)				
	Stacking Compatibility				
Scalability	# MAC Addresses	16,000	16,000	16,000	16,000
	ARP Table – Size of	512	512	738	738
	# Routing Entries	32	32	32	32
	# ACL Rules	164	164	100	100
System Management	Single IP Management			✔	
	Web Managed/GUI	✔	✔	✔	✔
	Command Line Interface/RS232 Console/Telnet	N/A	N/A		N/A
	SNMP Version	v1, v2c, v3	v1, v2c, v3	v1, v2c, v3	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/L2 Relay	Client/L2 Relay	Client/L2 Relay	Client/L2 Relay
	Port Mirroring	Many-to-One	Many-to-One	Many-to-One	Many-to-One
	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	78 Gbps	78 Gbps	160Gbps	320 Gbps
	Buffer Memory	1.5 MB Per System	1.5 MB Per System	2 MB Per System	2 MB Per System
	Jumbo Frames	10,240	10,240	9,216	9,216
Availability	Spanning Tree 802.1d/RSTP .1w/MSTP .1s	802.1d, .1w, .1s	802.1d, .1w, .1s	802.1d, .1w, .1s	802.1d, .1w, .1s
	RPS Redundant Power Supply	N/A	N/A		
Traffic Management	Number of 802.1q VLAN/Number of VLAN Group	256	256	256	256
	Link Aggregation 802.3ad/LACP	✔	✔	✔	✔
	Discovery Protocol LLDP 802.1ab	✔	✔	✔	✔
	Rate Limiting	✔	✔	✔	✔
	Broadcast Storm Control	✔	✔	✔	✔
L3 Routing	IPv4 Static Routing	✔	✔	✔	✔
Security	IEEE 802.1x (RADIUS)	✔	✔	✔	✔
	ACL - Access Control Lists	MAC, IP, TCP	MAC, IP, TCP	MAC, IP, TCP	MAC, IP, TCP
	SSL/SSH & HTTPS	HTTPS	HTTPS	HTTPS	HTTPS
	Guest VLAN	✔	✔	✔	✔
	DHCP Snooping/IP Source Guard/ARP Guard	✔	✔	✔	✔
	TACACS+	✔	✔	✔	✔
Energy Efficiency	EEE 802.3az	✔	✔		
	Auto Port Power Down	✔	✔		
	Dynamic Power Consumption	✔	✔	✔	✔
	Max Power Consumption	26.1W	234.31W	49.5W	75.3W
Physical	Desktop/Rackmount/Click	Desktop/Rackmount	Desktop/Rackmount	Rackmount	Rackmount
	Metal/Plastic Enclosure	Metal	Metal	Metal	Metal
	MTBF @ 25°C	1,078,683 hrs (123 yrs)	376,434 hrs (43 yrs)	276,197 hrs (32 yrs)	938,178 hrs (107 yrs)
	Fan(s)	1	1	2	2
	Acoustic Noise @ 25°C	21dBA	28.8dBA	27.4dBA	29.1dBA
	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 (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	1.42 kg (3.13 lb)	1.9 kg (4.19 lb)	2.61 kg (5.76 lb)	2.87 kg (6.33 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; AXM761/AXM762/AXM763/AXM764 /AXM765/AXC761/3/5/7/10/15/20	AGM731F/AGM732F; AXM761/AXM762/AXM763/AXM764 /AXM765/AXC761/3/5/7/10/15/20	AGM731F/AGM732F; AXM761/AXM762/AXM763/AXM764 /AXM765/AXC761/3/5/7/10/15/20	AAGM731F/AGM732F; AXM761/AXM762/AXM763/AXM764 /AXM765/AXC761/3/5/7/10/15/20
ProSUPPORT Maintenance PKGS	OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year	PMB0312 PMB0332 PMB0352	PMB0312 PMB0332 PMB0352	PMB0311 PMB0331 PMB0351	PMB0312 PMB0332 PMB0352

Smart Managed Pro Switches

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

MODEL		XS716T	XS728T	XS748T
Port Configuration	10/100 RJ45 Ports (Auto Uplink)			
	10/100/1000 RJ45 Ports (Auto Uplink)	16 10GBase-T	24 10GBase-T	44 10GBase-T
	Fiber Ports	2 Combo SFP+ (10G)	4 SFP+ (10G)	4 SFP+ (10G)
PoE	Power Over Ethernet 802.3af Ports			
	PoE Plus (30W) 802.3at Ports			
	Total PoE Budget			
Scalability	# MAC Addresses	16,000	32,000	32,000
	ARP Table – Size of	738	1,024	1,024
	# Routing Entries	32	64	64
	# ACL Rules	100	164	164
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/L2 Relay	Client/L2 Relay	Client/L2 Relay
	Port Mirroring	Many-to-One	Many-to-One	Many-to-One
	IPv6 full set	✔	✔	✔
Quality of Service	Number of Priority Queues	8	8	8
	Traffic Prioritization	802.1p; Diffserv; TCP/UDP	802.1p; Diffserv; TCP/UDP	802.1p; Diffserv; TCP/UDP
	Auto Voice VLAN	✔	✔	✔
Multicast Filtering	IGMP Snooping Version	v1, v2, v3	v1, v2, v3	v1, v2, v3
	IGMP Snooping Querier	✔	✔	✔
Performance	Bandwidth	320 Gbps	560 Gbps	960 Gbps
	Buffer Memory	2 MB Per System	3 MB Per System	3 MB Per System
	Jumbo Frames	9,216	10,240	10,240
Availability	Spanning Tree 802.1d/RSTP .1w/MSTP .1s	802.1d, .1w, .1s	802.1d, .1w, .1s	802.1d, .1w, .1s
	RPS Redundant Power Supply			
Traffic Management	Number of 802.1q VLAN/Number of VLAN Group	256	512	512
	Link Aggregation 802.3ad/LACP	✔	✔	✔
	Discovery Protocol LLDP 802.1ab	✔	✔	✔
	Rate Limiting	✔	✔	✔
	Broadcast Storm Control	✔	✔	✔
L3 Routing	IPv4 Static Routing	✔	✔	✔
Security	IEEE 802.1x (RADIUS)	✔	✔	✔
	ACL - Access Control Lists	MAC, IP, TCP	MAC, IP, TCP	MAC, IP, TCP
	SSL/SSH & HTTPS	HTTPS	HTTPS	HTTPS
	Guest VLAN	✔	✔	✔
	DHCP Snooping/IP Source Guard/ARP Guard	✔	✔	✔
	TACACS+	✔	✔	✔
Energy Efficiency	Auto Port Power Down		✔	✔
	Dynamic Power Consumption	✔	✔	✔
	Max Power Consumption	96.0W	134.9W	262.8W
Physical	Desktop/Rackmount/Click	Rackmount	Rackmount	Rackmount
	Metal/Plastic Enclosure	Metal	Metal	Metal
	MTBF @ 25°C	276,832 hrs (32 yrs)	514,977 hrs (59 yrs)	483,808 hrs (55 yrs)
	Fan(s)	2	4	4
	Acoustic Noise @ 25°C	29.1dBA	41.6dBA	47.8dBA
	Width x Depth x Height	440 x 204 x 43 mm (17.3 x 8.0 x 1.7 in)	440 x 310 x 43 mm (17.3 x 12.2 x 1.7 in)	440 x 347 x 43 mm (17.3 x 13.7 x 1.7 in)
	Weight	2.98 kg (6.57 lb)	5.04 kg (11.11 lb)	6.25 kg (13.78 lb)
Electromagnetic Compliance	Class (A or B)	A	A	A
Warranty Hardware		Lifetime	Lifetime	Lifetime
Warranty Power Supply		Lifetime	Lifetime	Lifetime
Modules		AGM731F/AGM732F; AXM761/AXM762/AXM763/AXM764 /AXM765/AXC761/3/5/7/10/15/20	AGM731F/AGM732F; AXM761/AXM762/AXM764 /AXM765/AXC761/3/5/7/10/15/20	AGM731F/AGM732F; AXM761/AXM762/AXM764 /AXM765/AXC761/3/5/7/10/15/20
ProSUPPORT Maintenance PKGS	OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year	PMB0312 PMB0332 PMB0352	PMB0312 PMB0332 PMB0352	PMB0313 PMB0333 PMB0353

Smart Managed Pro Switches
with Optional Insight Remote/Cloud Management

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

MODEL		GS108Tv3	GS110TPv3	GS110TPP
Port Configuration	10/100 RJ45 Ports (Auto Uplink)			
	10/100/1000 RJ45 Ports (Auto Uplink)	8	8	10
	Fiber Ports		2 SFP	
PoE	Power Over Ethernet 802.3af Ports		8	8
	PoE Plus (30W) 802.3at Ports		8	8
	Total PoE Budget		55 Watts	120 Watts†
Scalability	# MAC Addresses	8,000	8,000	8,000
	ARP Table – Size of	512	512	512
	# Routing Entries	32	32	32
	# ACL Rules	100	100	100
System Management	Single IP Management	✓	✓	✓
	Web Managed/GUI	✓	✓	✓
	Insight Cloud Management Option	✓	✓	✓
	Command Line Interface/RS232 Console/Telnet			
	SNMP Version	v1, v2c, v3	v1, v2c, v3	v1, v2c, v3
	RMON Group	1,2,3,9	1,2,3,9	1,2,3,9
	DHCP (Client/Server/Relay)	Client	Client	Client
	Port Mirroring	Many-to-One	Many-to-One	Many-to-One
	IPv6 full set			
Optional Unified Network Management	Discovery, setup, monitoring and management via NETGEAR Insight mobile app or Insight Cloud Portal	✓	✓	✓
Optional Discovery, Setup, Monitoring & Management	Remote/Cloud management	✓	✓	✓
	Centralized network configuration (policies) across Insight Managed Switches, Wireless Access Points, and Business-class ReadyNAS Storage	✓	✓	✓
	Additional devices auto-join and inherit network configuration (zero-touch provisioning)	✓	✓	✓
	Multi-site, multi-network management in a single pane-of-glass view	✓	✓	✓
Quality of Service	Number of Priority Queues	8	8	8
	Traffic Prioritization	802.1p, DSCP, Diffserv, TCP/UDP	802.1p, DSCP, Diffserv, TCP/UDP	802.1p, DSCP, Diffserv, TCP/UDP
	Auto Voice VLAN	✓	✓	✓
Multicast Filtering	IGMP Snooping Version	v1, v2, v3	v1, v2, v3	v1, v2, v3
	IGMP Snooping Querier	✓	✓	✓
Performance	Bandwidth	16 Gbps	20 Gbps	20 Gbps
	Buffer Memory	512 KB Per Unit	512 KB Per Unit	512 KB Per Unit
	Jumbo Frames	10,000	10,000	10,000
Availability	Spanning Tree 802.1d/RSTP .1w/MSTP .1s	802.1d, .1w, .1s	802.1d, .1w, .1s	802.1d, .1w, .1s
	RPS Redundant Power Supply			
Traffic Management	Number of 802.1q VLAN/Number of VLAN Group	64	64	64
	Link Aggregation 802.3ad/LACP	✓	✓	✓
	Discovery Protocol LLDP 802.1ab	✓	✓	✓
	Rate Limiting	✓	✓	✓
	Broadcast Storm Control	✓	✓	✓
L3 Routing	IPv4 Static Routing	✓	✓	✓
Security	IEEE 802.1x (RADIUS)	✓	✓	✓
	ACL · Access Control Lists	MAC, IP	MAC, IP	MAC, IP
	SSL/SSH & HTTPS	HTTPS	HTTPS	HTTPS
	Guest VLAN	✓	✓	✓
	DHCP Snooping/IP Source Guard/ARP Guard	✓	✓	✓
	TACACS+	✓	✓	✓
Energy Efficiency	Auto Port Power Down	✓	✓	✓
	Dynamic Power Consumption	✓	✓	✓
	Max Power Consumption	5.75 Watts if powered by PoE via port 5.5 Watts (DC)	69.5W (with PoE max)	141.3W(with PoE max)
Physical	Desktop/Rackmount/Click	Desktop	Desktop	Desktop
	Metal/Plastic Enclosure	Metal	Metal	Metal
	MTBF @ 25°C	2,388,657 hrs (273 yrs)	1,200,041 hrs (137 yrs)	646773.4 hrs (74 yrs)
	Fan(s)	None	None	None
	Acoustic Noise @ 25°C	0 dBA	0 dBA	0 dBA
	Width x Depth x Height	158 x 101 x 27 mm (6.2 x 4.0 x 1.1 in)	236 x 101 x 27 mm (9.3 x 4.0 x 1.1 in)	236 x 101 x 27 mm (9.3 x 4.0 x 1.1 in)
	Weight	0.43 kg (0.94 lb)	0.61 kg (1.34 lb)	0.64kg (1.41 lb)
Electromagnetic Compliance	Class (A or B)	B	B	B
Warranty Hardware		Lifetime	Lifetime	Lifetime
Warranty Power Supply		2 yrs	2 yrs	2 yrs
Modules			AGM731F, AGM732F, AGM734	
ProSUPPORT Maintenance PKGS	On Call 3-year 24 x 7	PMB0S31	PMB0S32	PMB0331

Smart Managed Pro Switches
with Optional Insight Remote/Cloud Management

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

MODEL		GS110TUP	GS710TUP	GS724TPV2	GS724TPP
Port Configuration	10/100 RJ45 Ports (Auto Uplink)				
	10/100/1000 RJ45 Ports (Auto Uplink)	9	9	24	24
	Fiber Ports	1 dedicated SFP	1 dedicated SFP	2 dedicated SFP	2 dedicated SFP
PoE	Power Over Ethernet 802.3af Ports	8	8	24	24
	PoE Plus (30W) 802.3at Ports	8	8	24	24
	Ultra60 PoE++ (60W) 802.3bt Ports	4	8		
	Total PoE Budget	240W	480W	190 Watts	380W
	Uninterrupted PoE	✓	✓		
Scalability	# MAC Addresses	8,000	8,000	8,000	8,000
	ARP Table – Size of	512	512		
	# Routing Entries	32	32		
	# ACL Rules	100	100	100	100
System Management	Single IP Management	✓	✓	✓	✓
	Web Managed/GUI	✓	✓	✓	✓
	Insight Cloud Management Option	✓	✓	✓	✓
	Command Line Interface/RS232 Console/Telnet				
	SNMP Version	v1, v2c, v3	v1, v2c, v3	v1, v2c, v3	v1, v2c, v3
	RMON Group	1,2,3,9	1,2,3,9	1,2,3,9	1,2,3,9
	DHCP (Client/Server/Relay)	Client	Client	Client	Client
	Port Mirroring	Many-to-One	Many-to-One	Many-to-One	Many-to-One
	IPv6 full set	✓	✓	✓	✓
Optional Unified Network Management	Discovery, setup, monitoring and management via NETGEAR Insight mobile app or Insight Cloud Portal	✓	✓	✓	✓
Optional Discovery, Setup, Monitoring & Management	Remote/Cloud management	✓	✓	✓	✓
	Centralized network configuration (policies) across Insight Managed Switches, Wireless Access Points, and Business-class ReadyNAS Storage	✓	✓	✓	✓
	Additional devices auto-join and inherit network configuration (zero-touch provisioning)	✓	✓	✓	✓
	Multi-site, multi-network management in a single pane-of-glass view	✓	✓	✓	✓
Quality of Service	Number of Priority Queues	8	8	8	8
	Traffic Prioritization	802.1p, DSCP, Diffserv, TCP/UDP	802.1p, DSCP, Diffserv, TCP/UDP	802.1p, DSCP, Diffserv, TCP/UDP	802.1p, DSCP, Diffserv, TCP/UDP
	Auto Voice VLAN	✓	✓	✓	✓
Multicast Filtering	IGMP Snooping Version	v1, v2, v3	v1, v2, v3	v1, v2, v3	v1, v2, v3
	IGMP Snooping Querier	✓	✓	✓	✓
Performance	Bandwidth	20 Gbps	20 Gbps	52 Gbps	52 Gbps
	Buffer Memory	0.5 MB Per System	0.5 MB Per System	0.5 MB Per System	0.5 MB Per System
	Jumbo Frames	10,000	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	802.1d, .1w, .1s
Traffic Management	Number of 802.1q VLAN/Number of VLAN Group	64	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, TCP	MAC, IP, TCP	MAC, IP, TCP	MAC, IP, TCP
	SSL/SSH & HTTPS	HTTPS	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	276.8 Watts	554.0 Watts	228.5 Watts	446.7 Watts
Physical	Desktop/Rackmount/Click	Desktop, Wallmount, Rackmount	Rackmount	Rackmount	Rackmount
	Metal/Plastic Enclosure	Metal	Metal	Metal	Metal
	MTBF @ 25°C	695507.7 hrs (32 yrs)	643872.6 hrs. (29 yrs)	1,051,375 hrs (120 yrs)	634,966 hrs (29 yrs)
	Fan(s)	None	4	2	2
	Acoustic Noise @ 25°C	0 dBA	33.0 dBA	32.4 dBA	35.0 dBA
	Width x Depth x Height	236 x 101 x 27 mm (9.3 x 4.0 x 1.1 in)	440 x 204 x 43 mm (17.3 x 8.0 x 1.7 in)	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	0.63kg (1.39lb)	2.99kg (6.59lb)	3.15 kg (6.96 lb)	3.7 kg (8.18 lb)
Electromagnetic Compliance	Class (A or B)			A	
Warranty Hardware		Lifetime	Lifetime	Lifetime	Lifetime
Warranty Power Supply		2 yrs	Lifetime	Lifetime	Lifetime
Modules		AGM731F/AGM732F/AGM734	AGM731F/AGM732F/AGM734	AGM731F/AGM732F/AGM734	AGM731F/AGM732F/AGM734
ProSUPPORT Maintenance PKGS	On Call 3-year 24 x 7	PMB0331	PMB0331	PMB0331	PMB0331

Smart Managed Pro Switches
with Optional Insight Remote/Cloud Management

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

MODEL		GS728TPv2	GS728TPPv2
Port Configuration	10/100 RJ45 Ports (Auto Uplink)		
	10/100/1000 RJ45 Ports (Auto Uplink)	24	24
	Fiber Ports	4 dedicated SFP	4 dedicated SFP
PoE	Power Over Ethernet 802.3af Ports	24	24
	PoE Plus (30W) 802.3at Ports	24	24
	Total PoE Budget	190 Watts	380 Watts
Scalability	# MAC Addresses	16,000	16,000
	ARP Table – Size of	512	512
	# Routing Entries	32	32
	# ACL Rules	100	100
System Management	Single IP Management	✔	55 Watts
	Web Managed/GUI	✔	✔
	Insight Cloud Management Option	✔	✔
	Command Line Interface/RS232 Console/Telnet		
	SNMP Version	v1, v2c, v3	v1, v2c, v3
	RMON Group	1,2,3,9	1,2,3,9
	DHCP (Client/Server/Relay)	Client	Client
	Port Mirroring	Many-to-One	Many-to-One
	IPv6 full set	✔	✔
Optional Unified Network Management	Discovery, setup, monitoring and management via NETGEAR Insight mobile app or Insight Cloud Portal	✔	✔
Optional Discovery, Setup, Monitoring & Management	Remote/Cloud management	✔	✔
	Centralized network configuration (policies) across Insight Managed Switches, Wireless Access Points, and Business-class ReadyNAS Storage	✔	✔
	Additional devices auto-join and inherit network configuration (zero-touch provisioning)	✔	✔
	Multi-site, multi-network management in a single pane-of-glass view	✔	✔
Quality of Service	Number of Priority Queues	8	8
	Traffic Prioritization	802.1p ; Diffserv ; TCP/UDP	802.1p ; Diffserv ; TCP/UDP
	Auto Voice VLAN	✔	✔
Multicast Filtering	IGMP Snooping Version	v1, v2, v3	v1, v2, v3
	IGMP Snooping Querier	✔	✔
Performance	Bandwidth	56 Gbps	56 Gbps
	Buffer Memory	1.5 MB Per System	1.5 MB Per System
	Jumbo Frames	10,000	10,000
Availability	Spanning Tree 802.1d/RSTP .1w/MSTP .1s	802.1d, .1w, .1s	802.1d, .1w, .1s
Traffic Management	Number of 802.1q VLAN/Number of VLAN Group	256	256
	Link Aggregation 802.3ad/LACP	✔	✔
	Discovery Protocol LLDP 802.1ab	✔	✔
	Rate Limiting	✔	✔
	Broadcast Storm Control	✔	✔
L3 Routing	IPv4 Static Routing	✔	✔
Security	IEEE 802.1x (RADIUS)	✔	✔
	ACL - Access Control Lists	MAC, IP, TCP	MAC, IP, TCP
	SSL/SSH & HTTPS	HTTPS	HTTPS
	Guest VLAN	✔	✔
	DHCP Snooping/IP Source Guard/ARP Guard	✔	✔
	TACACS+	✔	✔
Energy Efficiency	EEE 802.3az	✔	✔
	Auto Port Power Down		
	Dynamic Power Consumption	✔	✔
	Max Power Consumption	226 Watts	439 Watts
Physical	Desktop/Rackmount/Click	Rackmount	Rackmount
	Metal/Plastic Enclosure	Metal	Metal
	MTBF @ 25°C	1,250,365 hrs (143 yrs)	1,071,896 hrs (122 yrs)
	Fan(s)	2	2
	Acoustic Noise @ 25°C	31 dBA	35 dBA
	Width x Depth x Height	440 x 257 x 43 mm (17.3 x 10.1 x 1.7 in)	440 x 257 x 43 mm (17.3 x 10.1 x 1.7 in)
	Weight	3.78 kg (8.3lb)	4.11 kg (9.10 lb)
Electromagnetic Compliance	Class (A or B)	A	A
Warranty Hardware		Lifetime	Lifetime
Warranty Power Supply		Lifetime	Lifetime
Modules		AGM731F/732F	AGM731F/732F
ProSUPPORT Maintenance PKGS	On Call 3-year 24 x 7	PMB0331	PMB0331

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

* This product is currently not available in EMEA region.

Smart Managed Pro Switches
with Optional Insight Remote/Cloud Management

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

MODEL		GS752TPv2	GS752TPP
Port Configuration	10/100 RJ45 Ports (Auto Uplink)		
	10/100/1000 RJ45 Ports (Auto Uplink)	24	24
	Fiber Ports	4 dedicated SFP	4 dedicated SFP
PoE	Power Over Ethernet 802.3af Ports	24	24
	PoE Plus (30W) 802.3at Ports	24	24
	Total PoE Budget	380 Watts	760 Watts
Scalability	# MAC Addresses	16,000	16,000
	ARP Table – Size of	512	512
	# Routing Entries	32	32
	# ACL Rules	100	100
System Management	Single IP Management	✔	✔
	Web Managed/GUI	✔	✔
	Insight Cloud Management Option	✔	✔
	Command Line Interface/RS232 Console/Telnet		
	SNMP Version	v1, v2c, v3	v1, v2c, v3
	RMON Group	1,2,3,9	1,2,3,9
	DHCP (Client/Server/Relay)	Client	Client
	Port Mirroring	Many-to-One	Many-to-One
	IPv6 full set	✔	✔
Optional Unified Network Management	Discovery, setup, monitoring and management via NETGEAR Insight mobile app or Insight Cloud Portal	✔	✔
Optional Discovery, Setup, Monitoring & Management	Remote/Cloud management	✔	✔
	Centralized network configuration (policies) across Insight Managed Switches, Wireless Access Points, and Business-class ReadyNAS Storage	✔	✔
	Additional devices auto-join and inherit network configuration (zero-touch provisioning)	✔	✔
	Multi-site, multi-network management in a single pane-of-glass view	✔	✔
Quality of Service	Number of Priority Queues	8	8
	Traffic Prioritization	802.1p ; Diffserv ; TCP/UDP	802.1p ; Diffserv ; TCP/UDP
	Auto Voice VLAN	✔	✔
Multicast Filtering	IGMP Snooping Version	v1, v2, v3	v1, v2, v3
	IGMP Snooping Querier	✔	✔
Performance	Bandwidth	104 Gbps	104 Gbps
	Buffer Memory	1.5 MB Per System	1.5 MB Per System
	Jumbo Frames	10,000	10,000
Availability	Spanning Tree 802.1d/RSTP .1w/MSTP .1s	802.1d, .1w, .1s	802.1d, .1w, .1s
Traffic Management	Number of 802.1q VLAN/Number of VLAN Group	256	256
	Link Aggregation 802.3ad/LACP	✔	✔
	Discovery Protocol LLDP 802.1ab	✔	✔
	Rate Limiting	✔	✔
	Broadcast Storm Control	✔	✔
L3 Routing	IPv4 Static Routing	✔	✔
Security	IEEE 802.1x (RADIUS)	✔	✔
	ACL - Access Control Lists	MAC, IP, TCP	MAC, IP, TCP
	SSL/SSH & HTTPS	HTTPS	HTTPS
	Guest VLAN	✔	✔
	DHCP Snooping/IP Source Guard/ARP Guard	✔	✔
	TACACS+	✔	✔
Energy Efficiency	EEE 802.3az	✔	✔
	Auto Port Power Down		
	Dynamic Power Consumption	✔	✔
	Max Power Consumption	446 Watts	861 Watts
Physical	Desktop/Rackmount/Click	Rackmount	Rackmount
	Metal/Plastic Enclosure	Metal	Metal
	MTBF @ 25°C	1,737,411 hrs (198 yrs)	1,107,549 hrs (126 yrs)
	Fan(s)	2	2
	Acoustic Noise @ 25°C	38 dBA	43 dBA
	Width x Depth x Height	440 x 310 x 43 mm (17.3 x 12.2 x 1.7 in)	440 x 310 x 43 mm (17.3 x 12.2 x 1.7 in)
	Weight	4.93 kg (10.90 lb)	5.03 kg (11.1 0lb)
Electromagnetic Compliance	Class (A or B)	A	A
Warranty Hardware		Lifetime	Lifetime
Warranty Power Supply		Lifetime	Lifetime
Modules		AGM731F/732F	AGM731F/732F
ProSUPPORT Maintenance PKGS	On Call 3-year 24 x 7	PMB0332	PMB0332

Smart Managed Pro Switches
with Optional Insight Remote/Cloud Management

Insight Managed Smart Cloud, L2, Gigabit

MODEL		GC108P	GC108PP
Unified Network Management	Discovery, setup, monitoring and management	NETGEAR Insight mobile app on phone or tablet, or Insight Cloud Portal from PC, Mac, or tablet web browser	
Discovery, Setup, Monitoring & Management	Remote/Cloud management	Anywhere, anytime, from the palm of your hand using Insight mobile app or from any PC, Mac, or tablet web browser using the Insight Cloud Portal	
	Centralized network configuration (policies)	Centralized network configuration (policies) across Insight Managed Switches, Wireless Access Points, and Business-class ReadyNAS Storage for VLANs, ACLs, QoS, and LAGs	
	Device auto-join and configure (zero-touch provisioning)	Additional Insight Managed devices added to the network automatically inherit the network configuration	
	Multi-site, multi-network single pane-of-glass view	Manage multiple sites, locations, and networks in a single view using the Insight app or Cloud Portal	
Port Configuration	10/100/1000 RJ45 Ports (Auto Uplink)	8	8
	1G SFP Fiber Ports		
PoE (Power over Ethernet)	PoE (15.4W) 802.3af Ports		
	PoE+ (30W) 802.3at Ports	8	8
	Total PoE Budget†	64 Watts†	126 Watts
	Advanced per-port PoE controls (enable/disable/power limit)	Yes	Yes
	Advanced per-port PoE scheduling	Yes	Yes
LEDs	Front (per device) (applicable models)	Cloud/Power Connection, PoE Fault	Cloud/Power Connection, PoE Fault
	Rear (per device) (applicable models)		
	Front (per port) (applicable models)	Speed/Link/Activity (left), PoE Power (right)	Speed/Link/Activity (left), PoE Power (right)
	Rear (per port) (applicable models)		
Scalability	# MAC Addresses	8,000	8,000
	ARP Table / NDP Table – Size of	512 ARP / 512 NDP	512 ARP / 512 NDP
	# Routing Entries		
	# ACL Rules (Shared for MAC, IP and IPv6 ACLs)	100	100
System Management	Cloud/Remote Management	Yes	Yes
	Mobile app and Cloud Portal management	Yes	Yes
	uPnP Discovery & Bonjour Discovery	Yes	Yes
	Centralized network configuration (policies)	Yes	Yes
	Device auto-join and configure (zero-touch provisioning)	Yes	Yes
	Multi-site, multi-network single pane-of-glass view	Yes	Yes
	Multi-switch, multi-port concurrent configuration	Yes	Yes
	Network/global password (for all Insight Managed devices on a network)	Yes	Yes
	Local-only Web Browser-Based Managed/GUI	Yes	Yes
	SNMP Version	v1, v2c, v3	v1, v2c, v3
	RMON Group		
	DHCP (Client/Server/Relay)	Client	Client
	Port Mirroring	Many-to-One	Many-to-One
	IPv6 Management	Yes	Yes
	Firmware upgrade direct from Cloud (via mobile device)	Yes	Yes
Quality of Service	Number of Priority Queues	8	8
	Traffic Prioritization	802.1p, DSCP, Diffserv	802.1p, DSCP, Diffserv
	Auto Voice VLAN	Yes	Yes
Multicast Filtering	IGMP Snooping Version	v1, v2, v3	v1, v2, v3
	IGMP Snooping Querier	Yes	Yes
Performance	Bandwidth	16 Gbps	16 Gbps
	Buffer Memory	512KB Per System	512KB Per System
	Jumbo Frames	10,000	10,000
Availability	Spanning Tree 802.1d/RSTP .1w/MSTP .1s	802.1d, .1w, .1s	802.1d, .1w, .1s
Traffic Management	Number of 802.1q VLAN/Number of VLAN Group	64	64
	Link Aggregation 802.3ad/LACP	Yes	Yes
	Discovery Protocol LLDP 802.1ab	Yes	Yes
	Rate Limiting	Yes	Yes
	Broadcast Storm Control	Yes	Yes
L3 Routing	IPv4/IPv6 Static Routing		
Security	IEEE 802.1x (RADIUS)	Yes	Yes
	ACL - Access Control Lists	MAC, IP, TCP	MAC, IP, TCP
	SSL/SSH & HTTPS	SSL/HTTPS	SSL/HTTPS
	Guest VLAN	Yes	Yes
	DHCP Snooping/IP Source Guard	Yes	Yes
	TACACS+	Yes	Yes
Energy Efficiency	IEEE 802.3az	Yes	Yes
	Auto Port Power Down	Yes	Yes
	Dynamic Power Consumption	Yes	Yes
	Max Power Consumption	66.7 Watts (full PoE)	128.4 Watts (full PoE)
Physical	Desktop/Wallmount (VESA)/Rackmount	D/W	D/W
	Metal/Plastic Enclosure	Metal	Metal
	MTBF @ 25°C	2,635,395 hrs (301 yrs)	2,635,395 hrs (301 yrs)
	Acoustic Noise @ 25°C	0dBA	0dBA
	Fan(s)		
	Width x Depth x Height	188 x 110 x 27 mm (7.4 x 4.3 x 1.1 in)	188 x 110 x 27 mm (7.4 x 4.3 x 1.1 in)
	Weight	0.52 kg (1.14 lb)	0.52 kg (1.14 lb)
Electromagnetic Compliance	Class (A or B)	A	A
Warranty Switch*		5 years	5 years
Warranty External Power Adapter		2 years	2 years
Modules			
ProSUPPORT Maintenance Pkgs***	OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year	Category S2: PMB0S12 (1 yr.) PMB0S32 (3 yrs.) PMB0S52 (5 yrs.)	Category S2: PMB0S12 (1 yr.) PMB0S32 (3 yrs.) PMB0S52 (5 yrs.)

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

Smart Managed Pro Switches
with Optional Insight Remote/Cloud Management

Insight Managed Smart Cloud, L2+/ L3 Lite, Gigabit

MODEL		GC110	GC110P
Unified Network Management	Discovery, setup, monitoring and management	NETGEAR Insight mobile app on phone or tablet, or Insight Cloud Portal from PC, Mac, or tablet web browser	
Discovery, Setup, Monitoring & Management	Remote/Cloud management	Anywhere, anytime, from the palm of your hand using Insight mobile app or from any PC, Mac, or tablet web browser using the Insight Cloud Portal	
	Centralized network configuration (policies)	Centralized network configuration (policies) across Insight Managed Switches, Wireless Access Points, and Business-class ReadyNAS Storage for VLANs, ACLs, QoS, and LAGs	
	Device auto-join and configure (zero-touch provisioning)	Additional Insight Managed devices added to the network automatically inherit the network configuration	
	Multi-site, multi-network single pane-of-glass view	Manage multiple sites, locations, and networks in a single view using the Insight app or Cloud Portal	
Port Configuration	10/100/1000 RJ45 Ports (Auto Uplink)	8	8
	1G SFP Fiber Ports	2 dedicated	2 dedicated
PoE (Power over Ethernet)	PoE (15.4W) 802.3af Ports		8
	PoE+ (30W) 802.3at Ports		
	Total PoE Budget†		62W
	Advanced per-port PoE controls (enable/disable/power limit)		Yes
	Advanced per-port PoE scheduling		Yes
LEDs	Front (per device) (applicable models)	Cloud/Internet Connection, Power	Cloud/Internet Connection, Power
	Rear (per device) (applicable models)	Cloud/Internet Connection, Power	Cloud/Internet Connection, Power, PoE Max
	Rear (per port) (applicable models)	Speed/Link/Activity	Speed/Link/Activity (left), PoE Power (right)
Scalability	# MAC Addresses	16,000	16,000
	ARP Table / NDP Table – Size of	384 ARP / 128 NDP	384 ARP / 128 NDP
	# Routing Entries	32 IPv4 / 31 IPv6	32 IPv4 / 31 IPv6
	# ACL Rules (Shared for MAC, IP and IPv6 ACLs)	100	100
System Management	Cloud/Remote Management	Yes	Yes
	Mobile app and Cloud Portal management	Yes	Yes
	uPnP Discovery & Bonjour Discovery	Yes	Yes
	Centralized network configuration (policies)	Yes	Yes
	Device auto-join and configure (zero-touch provisioning)	Yes	Yes
	Multi-site, multi-network single pane-of-glass view	Yes	Yes
	Multi-switch, multi-port concurrent configuration	Yes	Yes
	Network/global password (for all Insight Managed devices on a network)	Yes	Yes
	Local-only Web Browser-Based Managed/GUI	Yes	Yes
	SNMP Version	v1, v2c, v3	v1, v2c, v3
	DHCP (Client/Server/Relay)	Client	Client
	Port Mirroring	Many-to-One	Many-to-One
	IPv6 Management	Yes	Yes
	Firmware upgrade direct from Cloud (via mobile device)	Yes	Yes
Quality of Service	Number of Priority Queues	8	8
	Traffic Prioritization	802.1p, DSCP, Diffserv	802.1p, DSCP, Diffserv
	Auto Voice VLAN	Yes	Yes
Multicast Filtering	IGMP Snooping Version	v1, v2c, v3	v1, v2c, v3
	IGMP Snooping Querier	Yes	Yes
Performance	Bandwidth	20 Gbps	20 Gbps
	Buffer Memory	1.5 MB Per System	1.5 MB Per System
	Jumbo Frames	9,216	9,216
Availability	Spanning Tree 802.1d/RSTP .1w/MSTP .1s	802.1d, .1w, .1s	802.1d, .1w, .1s
Traffic Management	Number of 802.1q VLAN/Number of VLAN Group	256	256
	Link Aggregation 802.3ad/LACP	Yes	Yes
	Discovery Protocol LLDP 802.1ab	Yes	Yes
	Rate Limiting	Yes	Yes
	Broadcast Storm Control	Yes	Yes
L3 Routing	IPv4/IPv6 Static Routing	Yes	Yes
Security	IEEE 802.1x (RADIUS)	Yes	Yes
	ACL - Access Control Lists	MAC, IP, TCP	MAC, IP, TCP
	SSL/SSH & HTTPS	SSL/HTTPS	SSL/HTTPS
	Guest VLAN	Yes	Yes
	DHCP Snooping/IP Source Guard	Yes	Yes
	TACACS+	Yes	Yes
Energy Efficiency	IEEE 802.3az	Yes	Yes
	Auto Port Power Down	Yes	Yes
	Dynamic Power Consumption	Yes	Yes
	Max Power Consumption	10.1W	74.4W (full PoE)
Physical	Desktop/Wallmount (VESA)/Rackmount	Desktop/Wallmount	Desktop/Wallmount
	Metal/Plastic Enclosure	Metal	Metal
	MTBF @ 25°C	4,013,311 hrs (458 yrs)	2,976,994 hrs (340 yrs)
	Acoustic Noise @ 25°C	0dBA	0dBA
	Fan(s)		
	Width x Depth x Height	245 x 123 x 33 mm (9.6 x 4.8 x 1.3 in)	245 x 123 x 33 mm (9.6 x 4.8 x 1.3 in)
	Weight	0.73 kg (1.61 lb)	0.77 kg (1.70 lb)
Electromagnetic Compliance	Class (A or B)	A	A
Warranty Switch*		5 years	5 years
Warranty External Power Adapter		2 years	2 years
Modules		AGM731F, AGM732F, AGM734	AGM731F, AGM732F, AGM734
ProSUPPORT Maintenance Pkgs***	OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year	Category S2: PMB0S12 PMB0S32 PMB0S52	Category S2: PMB0S12 PMB0S32 PMB0S52

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

Smart Managed Pro Switches
with Optional Insight Remote/Cloud Management

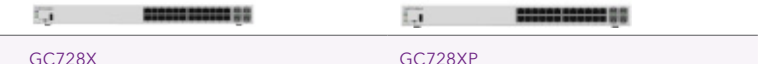**Insight Managed Smart Cloud, L2+/L3 Lite, Gigabit**

MODEL		GC510P	GC510PP
Unified Network Management	Discovery, setup, monitoring and management	NETGEAR Insight mobile app on phone or tablet, or Insight Cloud Portal from PC, Mac, or tablet web browser	
Discovery, Setup, Monitoring & Management	Remote/Cloud management	Anywhere, anytime, from the palm of your hand using Insight mobile app or from any PC, Mac, or tablet web browser using the Insight Cloud Portal	
	Centralized network configuration (policies)	Centralized network configuration (policies) across Insight Managed Switches, Wireless Access Points, and Business-class ReadyNAS Storage for VLANs, ACLs, QoS, and LAGs	
	Device auto-join and configure (zero-touch provisioning)	Additional Insight Managed devices added to the network automatically inherit the network configuration	
	Multi-site, multi-network single pane-of-glass view	Manage multiple sites, locations, and networks in a single view using the Insight app or Cloud Portal	
Port Configuration	10/100/1000 RJ45 Ports (Auto Uplink)	8	8
	1G SFP Fiber Ports	2 dedicated	2 dedicated
PoE (Power over Ethernet)	PoE (15.4W) 802.3af Ports		
	PoE+ (30W) 802.3at Ports	8	8
	Total PoE Budget[†]	134W	195W
	Advanced per-port PoE controls (enable/disable/power limit)	Yes	Yes
	Advanced per-port PoE scheduling	Yes	Yes
LEDs	Front (per device) (applicable models)	Cloud/Internet Connection, Power	Cloud/Internet Connection, Power
	Rear (per device) (applicable models)	Cloud/Internet Connection, Power, PoE Max	Cloud/Internet Connection, Power, PoE Max, Fan Status
	Front (per port) (applicable models)		
	Rear (per port) (applicable models)	Speed/Link/Activity (left), PoE Power (right)	Speed/Link/Activity (left), PoE Power (right)
Scalability	# MAC Addresses	16,000	16,000
	ARP Table / NDP Table - Size of	384 ARP / 128 NDP	384 ARP / 128 NDP
	# Routing Entries	32 IPv4 / 31 IPv6	32 IPv4 / 31 IPv6
	# ACL Rules (Shared for MAC, IP and IPv6 ACLs)	100	100
System Management	Cloud/Remote Management	Yes	Yes
	Mobile app and Cloud Portal management	Yes	Yes
	uPnP Discovery & Bonjour Discovery	Yes	Yes
	Centralized network configuration (policies)	Yes	Yes
	Device auto-join and configure (zero-touch provisioning)	Yes	Yes
	Multi-site, multi-network single pane-of-glass view	Yes	Yes
	Multi-switch, multi-port concurrent configuration	Yes	Yes
	Network/global password (for all Insight Managed devices on a network)	Yes	Yes
	Local-only Web Browser-Based Managed/GUI	Yes	Yes
	SNMP Version	v1, v2c, v3	v1, v2c, v3
	RMON Group		
	DHCP (Client/Server/Relay)	Client	Client
	Port Mirroring	Many-to-One	Many-to-One
	IPv6 Management	Yes	Yes
	Firmware upgrade direct from Cloud (via mobile device)	Yes	Yes
Quality of Service	Number of Priority Queues	8	8
	Traffic Prioritization	802.1p, DSCP, Diffserv	802.1p, DSCP, Diffserv
	Auto Voice VLAN	Yes	Yes
Multicast Filtering	IGMP Snooping Version	v1, v2c, v3	v1, v2c, v3
	IGMP Snooping Querier	Yes	Yes
Performance	Bandwidth	20 Gbps	20 Gbps
	Buffer Memory	1.5 MB Per System	1.5 MB Per System
	Jumbo Frames	9,216	9,216
Availability	Spanning Tree 802.1d/RSTP .1w/MSTP .1s	802.1d, .1w, .1s	802.1d, .1w, .1s
Traffic Management	Number of 802.1q VLAN/Number of VLAN Group	256	256
	Link Aggregation 802.3ad/LACP	Yes	Yes
	Discovery Protocol LLDP 802.1ab	Yes	Yes
	Rate Limiting	Yes	Yes
	Broadcast Storm Control	Yes	Yes
L3 Routing	IPv4/IPv6 Static Routing	Yes	Yes
Security	IEEE 802.1x (RADIUS)	Yes	Yes
	ACL - Access Control Lists	MAC, IP, TCP	MAC, IP, TCP
	SSL/SSH & HTTPS	SSL/HTTPS	SSL/HTTPS
	Guest VLAN	Yes	Yes
	DHCP Snooping/IP Source Guard	Yes	Yes
	TACACS+	Yes	Yes
Energy Efficiency	IEEE 802.3az	Yes	Yes
	Auto Port Power Down	Yes	Yes
	Dynamic Power Consumption	Yes	Yes
	Max Power Consumption	146.9W (full PoE)	200.0W (full PoE)
Physical	Desktop/Wallmount (VESA)/Rackmount	Desktop/Wallmount /Rackmount	Desktop/Wallmount /Rackmount
	Metal/Plastic Enclosure	Metal	Metal
	MTBF @ 25°C	692,457 hrs (79 yrs)	381,503 hrs (44 yrs)
	Acoustic Noise @ 25°C	0dBA	28dBA
	Fan(s)		1 (whisper-quiet)
	Width x Depth x Height	314 x 188 x 44 mm (12.4 x 7.4 x 1.7 in)	314 x 188 x 44 mm (12.4 x 7.4 x 1.7 in)
	Weight	2.01 kg (4.43 lb)	2.23 kg (4.92 lb)
Electromagnetic Compliance	Class (A or B)	A	A
Warranty Switch*		5 years	5 years
Modules		AGM731F, AGM732F, AGM734	AGM731F, AGM732F, AGM734
ProSUPPORT Maintenance Pkgs***	OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year	Category S2: PMB0S12 (1 yr.) PMB0S32 (3 yrs.) PMB0S52 (5 yrs.)	Category S2: PMB0S12 (1 yr.) PMB0S32 (3 yrs.) PMB0S52 (5 yrs.)

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

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

MODEL		GC728X	GC728XP
Unified Network Management	Discovery, setup, monitoring and management	NETGEAR Insight mobile app on phone or tablet, or Insight Cloud Portal from PC, Mac, or tablet web browser	
Discovery, Setup, Monitoring & Management	Remote/Cloud management	Anywhere, anytime, from the palm of your hand using Insight mobile app or from any PC, Mac, or tablet web browser using the Insight Cloud Portal	
	Centralized network configuration (policies)	Centralized network configuration (policies) across Insight Managed Switches, Wireless Access Points, and Business-class ReadyNAS Storage for VLANs, ACLs, QoS, and LAGs	
	Device auto-join and configure (zero-touch provisioning)	Additional Insight Managed devices added to the network automatically inherit the network configuration	
	Multi-site, multi-network single pane-of-glass view	Manage multiple sites, locations, and networks in a single view using the Insight app or Cloud Portal	
Port Configuration	10/100/1000 RJ45 Ports (Auto Uplink)	24	24
	1G SFP Fiber Ports	2 dedicated	2 dedicated
	10G SFP+ Fiber Ports	2 dedicated	2 dedicated
PoE (Power over Ethernet)	PoE (15.4W) 802.3af Ports		
	PoE+ (30W) 802.3at Ports		24
	Total PoE Budget[†]		390W
	Advanced per-port PoE controls (enable/disable/power limit)		Yes
	Advanced per-port PoE scheduling		Yes
LEDs	Front (per device) (applicable models)	Cloud/Internet Connection, Power, PoE Max, Fan Status	Cloud/Internet Connection, Power, PoE Max, Fan Status
	Front (per device) (applicable models)		
	Front (per device) (applicable models)	Speed/Link/Activity	Speed/Link/Activity (left), PoE Power (right)
	Front (per port) (applicable models)		
Scalability	# MAC Addresses	16,000	16,000
	ARP Table / NDP Table - Size of	384 ARP / 128 NDP	384 ARP / 128 NDP
	# Routing Entries	32 IPv4 / 31 IPv6	32 IPv4 / 31 IPv6
	# ACL Rules (Shared for MAC, IP and IPv6 ACLs)	100	100
System Management	Cloud/Remote Management	Yes	Yes
	Mobile app and Cloud Portal management	Yes	Yes
	uPnP Discovery & Bonjour Discovery	Yes	Yes
	Centralized network configuration (policies)	Yes	Yes
	Device auto-join and configure (zero-touch provisioning)	Yes	Yes
	Multi-site, multi-network single pane-of-glass view	Yes	Yes
	Multi-switch, multi-port concurrent configuration	Yes	Yes
	Network/global password (for all Insight Managed devices on a network)	Yes	Yes
	Local-only Web Browser-Based Managed/GUI	Yes	Yes
	SNMP Version	v1, v2c, v3	v1, v2c, v3
	RMON Group	1,2,3,9	1,2,3,9
	DHCP (Client/Server/Relay)	Client	Client
	Port Mirroring	Many-to-One	Many-to-One
	IPv6 Management	Yes	Yes
	Firmware upgrade direct from Cloud (via mobile device)	Yes	Yes
Quality of Service	Number of Priority Queues	8	8
	Traffic Prioritization	802.1p, DSCP, Diffserv	802.1p, DSCP, Diffserv
	Auto Voice VLAN	Yes	Yes
Multicast Filtering	IGMP Snooping Version	v1, v2, v3	v1, v2, v3
	IGMP Snooping Querier	Yes	Yes
Performance	Bandwidth	92 Gbps	92 Gbps
	Buffer Memory	1.5 MB Per System	1.5 MB Per System
	Jumbo Frames	9,216	9,216
Availability	Spanning Tree 802.1d/RSTP .1w/MSTP .1s	802.1d, .1w, .1s	802.1d, .1w, .1s
Traffic Management	Number of 802.1q VLAN/Number of VLAN Group	256	256
	Link Aggregation 802.3ad/LACP	Yes	Yes
	Discovery Protocol LLDP 802.1ab	Yes	Yes
	Rate Limiting	Yes	Yes
	Broadcast Storm Control	Yes	Yes
L3 Routing	IPv4/IPv6 Static Routing	Yes	Yes
Security	IEEE 802.1x (RADIUS)	Yes	Yes
	ACL - Access Control Lists	MAC, IP, TCP	MAC, IP, TCP
	SSL/SSH & HTTPS	SSL/HTTPS	SSL/HTTPS
	Guest VLAN	Yes	Yes
	DHCP Snooping/IP Source Guard	Yes	Yes
	TACACS+	Yes	Yes
Energy Efficiency	IEEE 802.3az	Yes	Yes
	Auto Port Power Down	Yes	Yes
	Dynamic Power Consumption	Yes	Yes
	Max Power Consumption	18.5W	437.1W (full PoE)
Physical	Desktop/Wallmount (VESA)/Rackmount	Desktop/Rackmount	Desktop/Rackmount
	Metal/Plastic Enclosure	Metal	Metal
	MTBF @ 25°C	1,874,356 hrs (214 yrs)	629,962 hrs (72 yrs)
	Fan(s)	1 (whisper-quiet)	2 (dynamic)
	Acoustic Noise @ 25°C	28dBA	39dBA
	Width x Depth x Height	440 x 224 x 44 mm (17.3 x 8.8 x 1.7 in)	440 x 224 x 44 mm (17.3 x 8.8 x 1.7 in)
	Weight	2.81 kg (6.19 lb)	3.79 kg (8.36 lb)
Electromagnetic Compliance	Class (A or B)	A	A
Warranty Switch*		5 years	5 years
Modules		AGM731F, AGM732F, AGM734, AXM761, AXM762, AXM763, AXM764, AXM765, AXC761, AXC763	AGM731F, AGM732F, AGM734, AXM761, AXM762, AXM763, AXM764, AXM765, AXC761, AXC763
ProSUPPORT Maintenance Pkgs***	OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year	Category 1: PMB0311 (1 yr.) PMB0331 (3 yrs.) PMB0351 (5 yrs.)	Category 1: PMB0311 (1 yr.) PMB0331 (3 yrs.) PMB0351 (5 yrs.)

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

Smart Managed Pro Switches
with Optional Insight Remote/Cloud Management

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

MODEL		GC752X	GC752XP
Unified Network Management	Discovery, setup, monitoring and management	NETGEAR Insight mobile app on phone or tablet, or Insight Cloud Portal from PC, Mac, or tablet web browser	
Discovery, Setup, Monitoring & Management	Remote/Cloud management	Anywhere, anytime, from the palm of your hand using Insight mobile app or from any PC, Mac, or tablet web browser using the Insight Cloud Portal	
	Centralized network configuration (policies)	Centralized network configuration (policies) across Insight Managed Switches, Wireless Access Points, and Business-class ReadyNAS Storage for VLANs, ACLs, QoS, and LAGs	
	Device auto-join and configure (zero-touch provisioning)	Additional Insight Managed devices added to the network automatically inherit the network configuration	
	Multi-site, multi-network single pane-of-glass view	Manage multiple sites, locations, and networks in a single view using the Insight app or Cloud Portal	
Port Configuration	10/100/1000 RJ45 Ports (Auto Uplink)	48	48
	1G SFP Fiber Ports	2 dedicated	2 dedicated
	10G SFP+ Fiber Ports	2 dedicated	2 dedicated
PoE (Power over Ethernet)	PoE (15.4W) 802.3af Ports		
	PoE+ (30W) 802.3at Ports		48
	Total PoE Budget†		505W
	Advanced per-port PoE controls (enable/disable/power limit)		Yes
	Advanced per-port PoE scheduling		Yes
LEDs	Front (per device) (applicable models)	Cloud/Internet Connection, Power, PoE Max, Fan Status	Cloud/Internet Connection, Power, PoE Max, Fan Status
	Front (per port) (applicable models)		
	Front (per port) (applicable models)	Speed/Link/Activity	Speed/Link/Activity (left), PoE Power (right)
	Front (per port) (applicable models)		
Scalability	# MAC Addresses	16,000	16,000
	ARP Table / NDP Table – Size of	384 ARP / 128 NDP	384 ARP / 128 NDP
	# Routing Entries	32 IPv4 / 31 IPv6	32 IPv4 / 31 IPv6
	# ACL Rules (Shared for MAC, IP and IPv6 ACLs)	100	100
System Management	Cloud/Remote Management	Yes	Yes
	Mobile app and Cloud Portal management	Yes	Yes
	uPnP Discovery & Bonjour Discovery	Yes	Yes
	Centralized network configuration (policies)	Yes	Yes
	Device auto-join and configure (zero-touch provisioning)	Yes	Yes
	Multi-site, multi-network single pane-of-glass view	Yes	Yes
	Multi-switch, multi-port concurrent configuration	Yes	Yes
	Network/global password (for all Insight Managed devices on a network)	Yes	Yes
	Local-only Web Browser-Based Managed/GUI	Yes	Yes
	SNMP Version	v1, v2c, v3	v1, v2c, v3
	RMON Group	1,2,3,9	1,2,3,9
	DHCP (Client/Server/Relay)	Client	Client
	Port Mirroring	Many-to-One	Many-to-One
	IPv6 Management	Yes	Yes
	Firmware upgrade direct from Cloud (via mobile device)	Yes	Yes
Quality of Service	Number of Priority Queues	8	8
	Traffic Prioritization	802.1p, DSCP, Diffserv	802.1p, DSCP, Diffserv
	Auto Voice VLAN	Yes	Yes
Multicast Filtering	IGMP Snooping Version	v1, v2, v3	v1, v2, v3
	IGMP Snooping Querier	Yes	Yes
Performance	Bandwidth	140 Gbps	140 Gbps
	Buffer Memory	1.5 MB Per System	1.5 MB Per System
	Jumbo Frames	9,216	9,216
Availability	Spanning Tree 802.1d/RSTP .1w/MSTP .1s	802.1d, .1w, .1s	802.1d, .1w, .1s
Traffic Management	Number of 802.1q VLAN/Number of VLAN Group	256	256
	Link Aggregation 802.3ad/LACP	Yes	Yes
	Discovery Protocol LLDP 802.1ab	Yes	Yes
	Rate Limiting	Yes	Yes
	Broadcast Storm Control	Yes	Yes
L3 Routing	IPv4/IPv6 Static Routing	Yes	Yes
Security	IEEE 802.1x (RADIUS)	Yes	Yes
	ACL - Access Control Lists	MAC, IP, TCP	MAC, IP, TCP
	SSL/SSH & HTTPS	SSL/HTTPS	SSL/HTTPS
	Guest VLAN	Yes	Yes
	DHCP Snooping/IP Source Guard	Yes	Yes
	TACACS+	Yes	Yes
Energy Efficiency	IEEE 802.3az	Yes	Yes
	Auto Port Power Down	Yes	Yes
	Dynamic Power Consumption	Yes	Yes
	Max Power Consumption	43.9W	623.6W (full PoE)
Physical	Desktop/Wallmount (VESA)/Rackmount	Desktop/Rackmount	Desktop/Rackmount
	Metal/Plastic Enclosure	Metal	Metal
	MTBF @ 25°C	1,360,115 hrs (155 yrs)	455,682 hrs (50 yrs)
	Fan(s)	1 (whisper-quiet)	3 (dynamic)
	Acoustic Noise @ 25°C	29dBA	33dBA
	Width x Depth x Height	440 x 224 x 44 mm (17.3 x 8.8 x 1.7 in)	440 x 320 x 44 mm (17.3 x 12.6 x 1.7 in)
	Weight	3.16 kg (6.97 lb)	4.79 kg (10.56 lb)
Electromagnetic Compliance	Class (A or B)	A	A
Warranty Switch*		5 years	5 years
Modules		AGM731F, AGM732F, AGM734, AXM761, AXM762, AXM763, AXM764, AXM765, AXC761, AXC763	AGM731F, AGM732F, AGM734, AXM761, AXM762, AXM763, AXM764, AXM765, AXC761, AXC763
ProSUPPORT Maintenance Pkgs***	OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year	Category 2: PMB0312 (1 yr.) PMB0332 (3 yrs.) PMB0352 (5 yrs.)	Category 2: PMB0312 (1 yr.) PMB0332 (3 yrs.) PMB0352 (5 yrs.)

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

Fully Managed Switches – Full Management and Stacking

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

MODEL		M4100-D12G (GSM5212)	M4100-12GF (GSM7212F)
Port Configuration	10/100 RJ45 Ports (Auto Uplink)		
	10/100/1000 RJ45 Ports (Auto Uplink)	10	12
	Fiber Ports	4 SFP	12 SFP
PoE	Power Over Ethernet 802.3af Ports		4
	PoE+ (30W) 802.3at Ports	1 (PD: powered by PoE+)	4
	Total PoE Budget		150W standard
Scalability	# MAC Addresses	16,000	16,000
	ARP Table – Size of	512	512
	# Routing Entries	64	64
	# ACL Rules	512	512
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	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	24 Gbps	24 Gbps
	Buffer Memory	12 Mb	12 Mb
	Jumbo Frames	9,216	9,216
Availability	Spanning Tree 802.1d/RSTP .1w/MSTP .1s	802.1d, .1w, .1s	802.1d, .1w, .1s
	RPS Redundant Power Supply	When powered by PoE+	RPS
Traffic Management	Number of 802.1q VLAN/Number of VLAN Group	1,024 / 1,024	1,024/1,024
	Link Aggregation 802.3ad/LACP	✓	✓
	Discovery Protocol LLDP 802.1ab	✓	✓
	Rate Limiting	✓	✓
	Broadcast Storm Control	✓	✓
L3 Routing	IPv4 Static Routing	✓	✓
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	✓	✓
	TACACS+	✓	✓
	Auto Port Power Down	✓	✓
	Dynamic Power Consumption	✓	✓
	Max Power Consumption	18.80W	160.6W
Physical	Desktop/Rackmount/Click	Desktop	Rackmount
	Metal/Plastic Enclosure	Metal	Metal
	MTBF @ 25°C	214,142 hrs (24 yrs)	670,956 hrs (77 yrs)
	Fan(s)		✓
	Acoustic Noise @ 25°C	0dbA	30dBA
	Width x Depth x Height	328 x 169 x 43 mm (12.9 x 6.7 x 1.7 in)	440 x 257 x 43 mm (17.3 x 10.1 x 1.7 in)
	Weight	1.33 kg (2.9 lb)	3.67 kg (8.08 lb)
Electromagnetic Compliance	Class (A or B)	A	A
Warranty Hardware		Lifetime	Lifetime
Warranty Power Supply		Lifetime	Lifetime
Modules		AFM735/ AGM731F/AGM732F	AFM735/ AGM731F/AGM732F, RPS4000 (RPS x4 switches)
ProSUPPORT Maintenance PKGS	OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year	PMB0312 PMB0332 PMB0352	PMB0312 PMB0332 PMB0352

Fully Managed Switches

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

MODEL		M4100-26G (GSM7224)	M4100-50G (GSM7248)	M4100-26G-POE (GSM7226LP)
Port Configuration	10/100 RJ45 Ports (Auto Uplink)			
	10/100/1000 RJ45 Ports (Auto Uplink)	26	50	26
	Fiber Ports	4 SFP	4 SFP	4 SFP
PoE	Power Over Ethernet 802.3af Ports			24
	PoE+ (30W) 802.3at Ports			
	Total PoE Budget			192W standard / up to 380W with EPS
Scalability	# MAC Addresses	16,000	16,000	16,000
	ARP Table – Size of	512	512	512
	# Routing Entries	64	64	64
	# ACL Rules	512	512	512
System Management	Web Managed/GUI	✓	✓	✓
	Command Line Interface/RS232 Console/Telnet	✓	✓	✓
	SNMP Version	v1, v2c, v3	v1, v2c, v3	v1, v2c, v3
	RMON Group	1, 2, 3, 9	1, 2, 3, 9	1, 2, 3, 9
	DHCP (Client/Server/Relay)	Client/Server/L3 Relay	Client/Server/L3 Relay	Client/Server/L3 Relay
	Port Mirroring	Many-to-One	Many-to-One	Many-to-One
	IPv6 full set	✓	✓	✓
Quality of Service	Number of Priority Queues	8	8	8
	Traffic Prioritization	802.1p ; Diffserv ; TCP/UDP	802.1p ; Diffserv ; TCP/UDP	802.1p ; Diffserv ; TCP/UDP
	Auto Voice VLAN	✓	✓	✓
Multicast Filtering	IGMP Snooping Version	v1, v2, v3	v1, v2, v3	v1, v2, v3
	IGMP Snooping Querier	✓	✓	✓
Performance	Bandwidth	52 Gbps	100 Gbps	52 Gbps
	Buffer Memory	12 Mb	12 Mb	12 Mb
	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
	RPS Redundant Power Supply	RPS	RPS	RPS / EPS
Traffic Management	Number of 802.1q VLAN/Number of VLAN Group	1,024/1,024	1,024/1,024	1,024/1,024
	Link 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			
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	31.6W	49.5W	272.9W
Physical	Desktop/Rackmount/Click	Rackmount	Rackmount	Rackmount
	Metal/Plastic Enclosure	Metal	Metal	Metal
	MTBF @ 25°C	702,785 hrs (80 yrs)	489,311 hrs (56 yrs)	437,199 hrs (50 yrs)
	Fan(s)	✓	✓	✓
	Acoustic Noise @ 25°C	35.6dBA	37.2dBA	36.6dBA
	Width x Depth x Height	440 x 257 x 43 mm (17.3 x 10.1 x 1.7 in)	440 x 257 x 43 mm (17.3 x 10.1 x 1.7 in)	440 x 257 x 43 mm (17.3 x 10.1 x 1.7 in)
	Weight	3.24 kg (7.1 lb)	3.63 kg (8.0 lb)	3.79 kg (8.36 lb)
Electromagnetic Compliance	Class (A or B)	A	A	A
Warranty Hardware		Lifetime	Lifetime	Lifetime
Warranty Power Supply		Lifetime	Lifetime	Lifetime
Modules		AFM735/ AGM731F/AGM732F, RPS4000 RPS x4 switches)	AFM735/ AGM731F/AGM732F, RPS4000 (RPS x4 switches)	AFM735/ AGM731F/AGM732F, RPS4000 (RPS/EPS x4 switches)
ProSUPPORT Maintenance PKGS	OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year	PMB0312 PMB0332 PMB0352	PMB0313 PMB0333 PMB0353	PMB0312 PMB0332 PMB0352

Fully Managed Switches

Fully Managed, M4100 series (L2+ with static routing), Gigabit **Fully Managed, M4200 series (L3 with RIP), Multi-Gigabit**

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

Fully Managed Switches

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

MODEL		M4300-28G (GSM4328S)	M4300-52G (GSM4352S)
Port Configuration	10/100/1000 RJ45 Ports (Auto Uplink)	24 / 2 10GBase-T	48 / 2 10GBase-T
	Fiber Ports	2 SFP+ (10G)	2 SFP+ (10G)
	10Gig Module Bays		
PoE	Power Over Ethernet 802.3af Ports		
	PoE Plus (30W) 802.3at Ports		
	Total PoE Budget		
Stacking	Number of Dedicated Stacking Ports	Up to 4 10G ports	Up to 4 10G ports
	Stacking Bandwidth	80 Gbps	80 Gbps
	Stacking (maximum capacity)	8 switches	8 switches
	Stacking Compatibility	M4300 series	M4300 series
Scalability	# MAC Addresses	16,000	16,000
	ARP Table – Size of	888	888
	# Routing Entries	12,000	12,000
	# ACL Rules	16,384 (ingress, egress)	16,384 (ingress, egress)
System Management	Single IP Management	✔	✔
	Web Managed/GUI	✔	✔
	Command Line Interface/RS232 Console/Telnet	✔	✔
	SNMP Version	v1, v2c, v3	v1, v2c, v3
	RMON Group	1, 2, 3, 9	1, 2, 3, 9
	DHCP (Client/Server/Relay)	Client/Server/L3 Relay	Client/Server/L3 Relay
	Port Mirroring	Many-to-One; RSPAN	Many-to-One; RSPAN
	IPv6 full set	✔	✔
Quality of Service	Number of Priority Queues	8	8
	Traffic Prioritization	802.1p ; Diffserv ; TCP/UDP	802.1p ; Diffserv ; TCP/UDP
	Auto Voice VLAN	✔	✔
Multicast Filtering	IGMP Snooping Version	v1, v2, v3	v1, v2, v3
	IGMP Snooping Querier	✔	✔
Performance	Bandwidth	128 Gbps	176 Gbps
	Buffer Memory	16 Mb	16 Mb
	Jumbo Frames	9,198	9,198
Availability	Spanning Tree 802.1d/RSTP .1w/MSTP .1s	802.1d, .1w, .1s; PV(R)STP	802.1d, .1w, .1s; PV(R)STP
	RPS Redundant Power Supply	Second optional APS150W	Second optional APS150W
	Modular Power Supply	APS150W	APS150W
Traffic Management	Number of 802.1q VLAN/Number of VLAN Group	4,093/4,093	4,093/4,093
	Link Aggregation 802.3ad/LACP	✔	✔
	Discovery Protocol LLDP 802.1ab	✔	✔
	Rate Limiting	✔	✔
	Broadcast Storm Control	✔	✔
L3 Routing	IPv4 Static Routing	✔	✔
	IPv4 RIPv1/2, OSPFv1/2, VRRP, EMCP	✔	✔
	IPv6 Static Routing, IPv6 OSPFv3	✔	✔
	IPv4 / IPv6 Multicast Routing PIM-SM/DM	✔	✔
Security	IEEE 802.1x (RADIUS)	✔	✔
	ACL - Access Control Lists	MAC, IP, TCP	MAC, IP, TCP
	SSL/SSH & HTTPS	SSL/SSH & HTTPS	SSL/SSH & HTTPS
	Guest VLAN	✔	✔
	DHCP Snooping/IP Source Guard/ARP Guard	✔	✔
	TACACS+	✔	✔
Energy Efficiency	IEEE 802.3az	✔	✔
	Auto Port Power Down	✔	✔
	Dynamic Power Consumption	✔	✔
	Power Consumption	34.5W	47.4W
Physical	Desktop/Rackmount/Click	Rackmount	Rackmount
	Metal/Plastic Enclosure	Metal	Metal
	MTBF @ 25°C	1,328,968 hrs	578,472 hrs
	Fan(s)	Front to back	Front to back
	Acoustic Noise @ 25°C	30.3dBA	31.5dBA
	Width x Depth x Height	440 x 310 x 44 mm (17.32 x 12.2 x 1.73 in)	440 x 310 x 44 mm (17.32 x 12.2 x 1.73 in)
	Weight	4.51 kg (9.94 lb)	4.91 kg (10.81 lb)
Electromagnetic Compliance	Class (A or B)	A	A
Warranty Hardware		Lifetime	Lifetime
Warranty Power Supply		Lifetime	Lifetime
Modules		AGM731F/AGM732F; AXC761/3/5/7/10/15/20 AXM761/AXM762/AXM763/AXM764/AXM765	AGM731F/AGM732F; AXC761/3/5/7/10/15/20 AXM761/AXM762/AXM763/AXM764/AXM765
ProSUPPORT Maintenance PKGS	OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year	PMB0313 PMB0333 PMB0353	PMB0313 PMB0333 PMB0353

Fully Managed Switches – Advanced Network Control with Remote Cloud Management

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

MODEL		M4300-28G-POE+ (GSM4328PA OR GSM4328PB)	M4300-52G-POE+ (GSM4352PA OR GSM4352PB)
Port Configuration	10/100/1000 RJ45 Ports (Auto Uplink)	24 / 2 10GBase-T	48 / 2 10GBase-T
	Fiber Ports	2 SFP+ (10G)	2 SFP+ (10G)
	10Gig Module Bays		
PoE	Power Over Ethernet 802.3af Ports	24	48
	PoE Plus (30W) 802.3at Ports	24	48
	Total PoE Budget	480W (PA)/630W (PB) Up to 720W with second PSU	480W (PA) or 591W (PB) Up to 1,440W with second PSU
Stacking	Number of Dedicated Stacking Ports	Up to 4 10G ports	Up to 4 10G ports
	Stacking Bandwidth	80 Gbps	80 Gbps
	Stacking (maximum capacity)	8 switches	8 switches
	Stacking Compatibility	M4300 series	M4300 series
Scalability	# MAC Addresses	16,000	16,000
	ARP Table – Size of	888	888
	# Routing Entries	12,000	12,000
	# ACL Rules	16,384 (ingress, egress)	16,384 (ingress, egress)
System Management	Single IP Management	✔	✔
	Web Managed/GUI	✔	✔
	Command Line Interface/RS232 Console/Telnet	✔	✔
	SNMP Version	v1, v2c, v3	v1, v2c, v3
	RMON Group	1, 2, 3, 9	1, 2, 3, 9
	DHCP (Client/Server/Relay)	Client/Server/L3 Relay	Client/Server/L3 Relay
	Port Mirroring	Many-to-One; RSPAN	Many-to-One; RSPAN
	IPv6 full set	✔	✔
Quality of Service	Number of Priority Queues	8	8
	Traffic Prioritization	802.1p ; Diffserv ; TCP/UDP	802.1p ; Diffserv ; TCP/UDP
	Auto Voice VLAN	✔	✔
Multicast Filtering	IGMP Snooping Version	v1, v2, v3	v1, v2, v3
	IGMP Snooping Querier	✔	✔
Performance	Bandwidth	128 Gbps	176 Gbps
	Buffer Memory	16 Mb	16 Mb
	Jumbo Frames	9,198	9,198
Availability	Spanning Tree 802.1d/RSTP .1w/MSTP .1s	802.1d, .1w, .1s; PV(R)STP	802.1d, .1w, .1s; PV(R)STP
	RPS Redundant Power Supply	Second optional APS550W (PA) Second optional APS1000W (PB)	Second optional APS550W (PA) Second optional APS1000W (PB)
	Modular Power Supply	APS550W (PA) or APS1000W (PB)	APS550W (PA) or APS1000W (PB)
Traffic Management	Number of 802.1q VLAN/Number of VLAN Group	4,093/4,093	4,093/4,093
	Link Aggregation 802.3ad/LACP	✔	✔
	Discovery Protocol LLDP 802.1ab	✔	✔
	Rate Limiting	✔	✔
	Broadcast Storm Control	✔	✔
L3 Routing	IPv4 Static Routing	✔	✔
	IPv4 RIPv1/2, OSPFv1/2, VRRP, EMCP	✔	✔
	IPv6 Static Routing, IPv6 OSPFv3	✔	✔
	IPv4 / IPv6 Multicast Routing PIM-SM/DM	✔	✔
Security	IEEE 802.1x (RADIUS)	✔	✔
	ACL - Access Control Lists	MAC, IP, TCP	MAC, IP, TCP
	SSL/SSH & HTTPS	SSL/SSH & HTTPS	SSL/SSH & HTTPS
	Guest VLAN	✔	✔
	DHCP Snooping/IP Source Guard/ARP Guard	✔	✔
	TACACS+	✔	✔
Energy Efficiency	IEEE 802.3az	✔	✔
	Auto Port Power Down	✔	✔
	Dynamic Power Consumption	✔	✔
	Power Consumption	577W (PA 1 PSU) 833.2W (PB 1 PSU)	609W (PA 1 PSU) 888W (PB 1 PSU)
Physical	Desktop/Rackmount/Click	Rackmount	Rackmount
	Metal/Plastic Enclosure	Metal	Metal
	MTBF @ 25°C	1,189,685 hrs	673,207 hrs
	Fan(s)	Front to back	Front to back
	Acoustic Noise @ 25°C	39.8dBA	39.8dBA
	Width x Depth x Height	440 x 310 x 44 mm (17.32 x 12.2 x 1.73 in)	440 x 380 x 44 mm (17.32 x 15.28 x 1.73 in)
	Weight	5.09 kg (11.21 lb)	6.55 kg (14.44 lb)
Electromagnetic Compliance	Class (A or B)	A	A
Warranty Hardware		Lifetime	Lifetime
Warranty Power Supply		Lifetime	Lifetime
Modules		AGM731F/AGM732F; AXC761/3/5/7/10/15/20 AXM761/AXM762/AXM763/AXM764/AXM765	AGM731F/AGM732F; AXC761/3/5/7/10/15/20 AXM761/AXM762/AXM763/AXM764/AXM765
ProSUPPORT Maintenance PKGS	OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year	PMB0313 PMB0333 PMB0353	PMB0313 PMB0333 PMB0353

Fully Managed Switches

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

MODEL		M4300-8X8F (XSM4316S)	M4300-16X (XSM4316PA OR XSM4316PB)	M4300-12X12F (XSM4324S)	M4300-24X (XSM4324CS)
Port Configuration	10/100/1000 RJ45 Ports (Auto Uplink)	8 10GBase-T	16 10GBase-T	12 10GBase-T	24 10GBase-T
	Fiber Ports	8 SFP+ (10G)		12 SFP+ (10G)	4 combo SFP+ (10G)
	10Gig Module Bays				
PoE	Power Over Ethernet 802.3af Ports		16		
	PoE Plus (30W) 802.3at Ports		16		
	Total PoE Budget		199W (PA)/500W (PB) APS199W or APS600W		
Stacking	Number of Dedicated Stacking Ports	Up to 16 10G ports	Up to 16 10G ports	Up to 16 10G ports	Up to 16 10G ports
	Stacking Bandwidth	320 Gbps	320Gbps	320 Gbps	320 Gbps
	Stacking (maximum capacity)	8 switches	8 switches	8 switches	8 switches
	Stacking Compatibility	M4300 series	M4300 series	M4300 series	M4300 series
Scalability	# MAC Addresses	16,000	16,000	16,000	16,000
	ARP Table – Size of	888	888	888	888
	# Routing Entries	12,000	12,000	12,000	12,000
	# ACL Rules	16,384 (ingress, egress)	16,384 (ingress, egress)	16,384 (ingress, egress)	16,384 (ingress, egress)
System Management	Single IP Management	✔	✔	✔	✔
	Web Managed/GUI	✔	✔	✔	✔
	Command Line Interface/RS232 Console/Telnet	✔	✔	✔	✔
	SNMP Version	v1, v2c, v3	v1, v2c, v3	v1, v2c, v3	v1, v2c, v3
	RMON Group	1, 2, 3, 9	1, 2, 3, 9	1, 2, 3, 9	1, 2, 3, 9
	DHCP (Client/Server/Relay)	Client/Server/L3 Relay	Client/Server/L3 Relay	Client/Server/L3 Relay	Client/Server/L3 Relay
	Port Mirroring	Many-to-One; RSPAN	Many-to-One; RSPAN	Many-to-One; RSPAN	Many-to-One; RSPAN
	IPv6 full set	✔	✔	✔	✔
Quality of Service	Number of Priority Queues	8	8	8	8
	Traffic Prioritization	802.1p ; Diffserv ; TCP/UDP	802.1p ; Diffserv ; TCP/UDP	802.1p ; Diffserv ; TCP/UDP	802.1p ; Diffserv ; TCP/UDP
	Auto Voice VLAN	✔	✔	✔	✔
Multicast Filtering	IGMP Snooping Version	v1, v2, v3	v1, v2, v3	v1, v2, v3	v1, v2, v3
	IGMP Snooping Querier	✔	✔	✔	✔
Performance	Bandwidth	320 Gbps	320 Gbps	480 Gbps	480 Gbps
	Buffer Memory	16 Mb	16 Mb	32 Mb	32 Mb
	Jumbo Frames	9,198	9,198	9,198	9,198
Availability	Spanning Tree 802.1d/RSTP .1w/MSTP .1s	802.1d, .1w, .1s; PV(R)STP	802.1 d, .1 w, .1s; PV(R)STP	802.1d, .1w, .1s; PV(R)STP	802.1d, .1w, .1s; PV(R)STP
	RPS Redundant Power Supply				
	Modular Power Supply	APS250W	APS199W (PA) or APS600W (PB)	APS250W	APS250W
Traffic Management	Number of 802.1q VLAN/Number of VLAN Group	4,093/4,093	4,093/4,093	4,093/4,093	4,093 / 4,093
	Link Aggregation 802.3ad/LACP	✔	✔	✔	✔
	Discovery Protocol LLDP 802.1ab	✔	✔	✔	✔
	Rate Limiting	✔	✔	✔	✔
	Broadcast Storm Control	✔	✔	✔	✔
L3 Routing	IPv4 Static Routing	✔	✔	✔	✔
	IPv4 RIPv1/2, OSPFv1/2, VRRP, EMCP	✔	✔	✔	✔
	IPv6 Static Routing, IPv6 OSPFv3	✔	✔	✔	✔
	IPv4 / IPv6 Multicast Routing PIM-SM/DM	✔	✔	✔	✔
Security	IEEE 802.1x (RADIUS)	✔	✔	✔	✔
	ACL - Access Control Lists	MAC, IP, TCP	MAC, IP, TCP	MAC, IP, TCP	MAC, IP, TCP
	SSL/SSH & HTTPS	SSL/SSH & HTTPS	SSL/SSH & HTTPS	SSL/SSH & HTTPS	SSL/SSH & HTTPS
	Guest VLAN	✔	✔	✔	✔
	DHCP Snooping/IP Source Guard/ARP Guard	✔	✔	✔	✔
	TACACS+	✔	✔	✔	✔
Energy Efficiency	IEEE 802.3az	✔	✔	✔	✔
	Auto Port Power Down	✔	✔	✔	✔
	Dynamic Power Consumption	✔	✔	✔	✔
	Power Consumption	49W	308.7W (PA) 610W (PB)	97W	125W
Physical	Desktop/Rackmount/Click	Rackmount	Rackmount	Rackmount	Rackmount
	Metal/Plastic Enclosure	Metal	Metal	Metal	Metal
	MTBF @ 25°C	196,120 hrs	690,301 hours	192,898 hrs	247,437 hrs
	Fan(s)	Front to back	Front to back	Front to back	Front to back
	Acoustic Noise @ 25°C	36.9dBA	35dBA	36.9dBA	37dBA
	Width x Depth x Height	Half-Width: 212 x 345 x 44 mm (8.35 x 13.58 x 1.73 in)	Half-Width: 212 x 345 x 44 mm (8.35 x 13.58 x 1.73 in)	Half-Width: 212 x 345 x 44 mm (8.35 x 13.58 x 1.73 in)	Half-Width: 212 x 345 x 44 mm (8.35 x 13.58 x 1.73 in)
	Weight	3.32kg (7.31 lb)	3.22 kg (7.11 lb)	3.69 kg (8.14 lb)	4.14 kg (9.12 lb)
Electromagnetic Compliance	Class (A or B)	A	A	A	A
Warranty Hardware		Lifetime	Lifetime	Lifetime	Lifetime
Warranty Power Supply		Lifetime	Lifetime	Lifetime	Lifetime
Modules		AGM731F/AGM732F; AXC761/3/5/7/10/15/20 AXM761/AXM762/AXM763/ AXM764/AXM765	AGM731F/AGM732F; AXC761/3/5/7/10/15/20 AXM761/AXM762/AXM763/ AXM764/AXM765	AGM731F/AGM732F; AXC761/3/5/7/10/15/20 AXM761/AXM762/AXM763/ AXM764/AXM765	AGM731F/AGM732F; AXC761/3/5/7/10/15/20 AXM761/AXM762/AXM763/ AXM764/AXM765
ProSUPPORT Maintenance PKGS	OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year	PMB0313 PMB0333 PMB0353	PMB0313 PMB0333 PMB0353	PMB0314 PMB0334 PMB0354	PMB0314 PMB0334 PMB0354

Fully Managed Switches

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

MODEL		M4300-24XF (XSM4324FS)	M4300-24X24F (XSM4348S)	M4300-48X (XSM4348CS)	M4300-48XF (XSM4348FS)
Port Configuration	10/100/1000 RJ45 Ports (Auto Uplink)	2 combo 10GBase-T	24 10GBase-T	48 10GBase-T	2 combo 10GBase-T
	Fiber Ports	24 SFP+ (10G)	24 SFP+ (10G)	4 combo SFP+ (10G)	48 SFP+ (10G)
	10Gig Module Bays				
PoE	Power Over Ethernet 802.3af Ports				
	PoE Plus (30W) 802.3at Ports				
	Total PoE Budget				
Stacking	Number of Dedicated Stacking Ports	Up to 16 10G ports	Up to 16 10G ports	Up to 16 10G ports	Up to 16 10G ports
	Stacking Bandwidth	320 Gbps	320 Gbps	320 Gbps	320 Gbps
	Stacking (maximum capacity)	8 switches	8 switches	8 switches	8 switches
	Stacking Compatibility	M4300 series	M4300 series	M4300 series	M4300 series
Scalability	# MAC Addresses	16,000	128,000	128,000	128,000
	ARP Table – Size of	888	8,192	8,192	8,192
	# Routing Entries	12,000	12,000	12,000	12,000
	# ACL Rules	16,384 (ingress, egress)	16,384 (ingress, egress)	16,384 (ingress, egress)	16,384 (ingress, egress)
System Management	Single IP Management	✔	✔	✔	✔
	Web Managed/GUI	✔	✔	✔	✔
	Command Line Interface/RS232 Console/Telnet	✔	✔	✔	✔
	SNMP Version	v1, v2c, v3	v1, v2c, v3	v1, v2c, v3	v1, v2c, v3
	RMON Group	1, 2, 3, 9	1, 2, 3, 9	1, 2, 3, 9	1, 2, 3, 9
	DHCP (Client/Server/Relay)	Client/Server/L3 Relay	Client/Server/L3 Relay	Client/Server/L3 Relay	Client/Server/L3 Relay
	Port Mirroring	Many-to-One; RSPAN	Many-to-One; RSPAN	Many-to-One; RSPAN	Many-to-One; RSPAN
	IPv6 full set	✔	✔	✔	✔
Quality of Service	Number of Priority Queues	8	8	8	8
	Traffic Prioritization	802.1p ; Diffserv ; TCP/UDP	802.1p ; Diffserv ; TCP/UDP	802.1p; Diffserv; TCP/UDP	802.1p; Diffserv; TCP/UDP
	Auto Voice VLAN	✔	✔	✔	✔
Multicast Filtering	IGMP Snooping Version	v1, v2, v3	v1, v2, v3	v1, v2, v3	v1, v2, v3
	IGMP Snooping Querier	✔	✔	✔	✔
Performance	Bandwidth	480 Gbps	960 Gbps	960 Gbps	960 Gbps
	Buffer Memory	32 Mb	56 Mb	56 Mb	56 Mb
	Jumbo Frames	9,198	9,198	9,198	9,198
Availability	Spanning Tree 802.1d/RSTP .1w/MSTP .1s	802.1d, .1w, .1s; PV(R)STP	802.1d, .1w, .1s; PV(R)STP	802.1d, .1w, .1s; PV(R)STP	802.1d, .1w, .1s; PV(R)STP
	RPS Redundant Power Supply		Second optional APS250W	Second optional APS250W	Second optional APS250W
	Modular Power Supply	APS250W	APS250W	APS250W	APS250W
Traffic Management	Number of 802.1q VLAN/Number of VLAN Group	4,093 / 4,093	4,093 / 4,093	4,093 / 4,093	4,093 / 4,093
	Link Aggregation 802.3ad/LACP	✔	✔	✔	✔
	Discovery Protocol LLDP 802.1ab	✔	✔	✔	✔
	Rate Limiting	✔	✔	✔	✔
	Broadcast Storm Control	✔	✔	✔	✔
L3 Routing	IPv4 Static Routing	✔	✔	✔	✔
	IPv4 RIPv1/2, OSPFv1/2, VRRP, EMCP	✔	✔	✔	✔
	IPv6 Static Routing, IPv6 OSPFv3	✔	✔	✔	✔
	IPv4 / IPv6 Multicast Routing PIM-SM/DM	✔	✔	✔	✔
Security	IEEE 802.1x (RADIUS)	✔	✔	✔	✔
	ACL - Access Control Lists	MAC, IP, TCP	MAC, IP, TCP	MAC, IP, TCP	MAC, IP, TCP
	SSL/SSH & HTTPS	SSL/SSH & HTTPS	SSL/SSH & HTTPS	SSL/SSH & HTTPS	SSL/SSH & HTTPS
	Guest VLAN	✔	✔	✔	✔
	DHCP Snooping/IP Source Guard/ARP Guard	✔	✔	✔	✔
	TACACS+	✔	✔	✔	✔
Energy Efficiency	IEEE 802.3az	✔	✔	✔	✔
	Auto Port Power Down	✔	✔	✔	✔
	Dynamic Power Consumption	✔	✔	✔	✔
	Power Consumption	125W	161W	237.2W	152.4 Watts
Physical	Desktop/Rackmount/Click	Rackmount	Rackmount	R	R
	Metal/Plastic Enclosure	Metal	Metal	Metal	Metal
	MTBF @ 25°C	968,447 hours	133,176 hrs	249,393 hrs	657,392 hours
	Fan(s)	Front to back	Front to back	Front to back	Front to back
	Acoustic Noise @ 25°C	39.07dBA	35.8dBA	40.3dBA	42.4dBA
	Width x Depth x Height	Half-Width: 212 x 345 x 44 mm (8.35 x 13.58 x 1.73 in)	440 x 345 x 44 mm (17.32 x 13.58 x 1.73 in)	440 x 345 x 44 mm (17.32 x 13.58 x 1.73 in)	440 x 345 x 44 mm (17.32 x 13.58 x 1.73 in)
	Weight	3.56kg (7.85lb)	6.12 kg (13.48 lb)	6.55 kg (14.44 lb)	5.86kg (12.92lb)
Electromagnetic Compliance	Class (A or B)	A	A	A	A
Warranty Hardware		Lifetime	Lifetime	Lifetime	Lifetime
Warranty Power Supply		Lifetime	Lifetime	Lifetime	Lifetime
Modules		AGM731F/AGM732F; AXC761/3/5/7/10/15/20 AXM761/AXM762/AXM763/ AXM764/AXM765	AGM731F/AGM732F; AXC761/3/5/7/10/15/20 AXM761/AXM762/AXM763/ AXM764/AXM765	AGM731F/AGM732F; AXC761/3/5/7/10/15/20 AXM761/AXM762/AXM763/ AXM764/AXM765	AGM731F/AGM732F; AXC761/3/5/7/10/15/20 AXM761/AXM762/AXM763/ AXM764/AXM765
ProSUPPORT Maintenance PKGS	OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year	PMB0314 PMB0334 PMB0354	PMB0314 PMB0334 PMB0354	PMB0314 PMB0334 PMB0354	PMB0314 PMB0334 PMB0354

Fully Managed Switches

MODEL		Fully Managed, M4300 series (L3), Gigabit and 10-Gigabit	Fully Managed, M4500 series (L3), 10, 25, 50 and 100-Gigabit	
		M4300-96X (XSM4396K0 OR K1)	M4500-32C (CSM4532)	M4500-48XF8C (XSM4556)
Port Configuration	10/100/1000 RJ45 Ports (Auto Uplink)	Up to 96 10GBaseT		
	Fiber Ports	Up to 96 SFP+ / 24 QSFP+	32 QSFP28 (100G)	48 SFP28 (10/25G) / 8 QSFP28 (100G)
	10Gig Module Bays			
PoE	Power Over Ethernet 802.3af Ports	Up to 48		
	PoE Plus (30W) 802.3at Ports	Up to 48		
	Total PoE Budget	Up to 1,440W		
Stacking	Number of Dedicated Stacking Ports	Up to 16 10G or 40G ports		
	Stacking Bandwidth	320 Gbps		
	Stacking (maximum capacity)	8 switches		
	Stacking Compatibility	M4300 series	MLAG (M4500 Series)	MLAG (M4500 Series)
Scalability	# MAC Addresses	256,000	32,000	32,000
	ARP Table – Size of	8,192	8,192	8,192
	# Routing Entries	12,000	32,000	32,000
	# ACL Rules	16,384 (ingress, egress)	16,384 (ingress, egress)	16,384 (ingress, egress)
System Management	Single IP Management	✔		
	Web Managed/GUI	✔		
	Command Line Interface/RS232 Console/Telnet	✔	✔	✔
	SNMP Version	v1, v2c, v3	v1, v2c, v3	v1, v2c, v3
	RMON Group	1, 2, 3, 9	1, 2, 3, 9	1, 2, 3, 9
	DHCP (Client/Server/Relay)	Client/Server/L3 Relay	Client/Server/L3 Relay	Client/Server/L3 Relay
	Port Mirroring	Many-to-One; RSPAN	Many-to-One; RSPAN	Many-to-One; RSPAN
	IPv6 full set	✔	✔	✔
Quality of Service	Number of Priority Queues	8	8	8
	Traffic Prioritization	802.1p; Diffserv; TCP/UDP	802.1p; Diffserv; TCP/UDP	802.1p; Diffserv; TCP/UDP
	Auto Voice VLAN	✔	✔	✔
Multicast Filtering	IGMP Snooping Version	v1, v2, v3	v1, v2, v3	v1, v2, v3
	IGMP Snooping Querier	✔	✔	✔
Performance	Bandwidth	1.920 Tbps	6.4 Tbps	4 Tbps
	Buffer Memory	96 Mb	256Mb	256Mb
	Jumbo Frames	9,198	9,198	9,198
Availability	Spanning Tree 802.1d/RSTP .1w/MSTP .1s	802.1d, .1w, .1s; PV(R)STP	802.1d, .1w, .1s	802.1d, .1w, .1s
	RPS Redundant Power Supply	Second optional APS600W or APS1200W	Second APS750W (included)	Second APS750W (included)
	Modular Power Supply	APS600W or APS1200W	APS750W	APS750W
Traffic Management	Number of 802.1q VLAN/Number of VLAN Group	4,093 / 4,093	4,093 / 4,093	4,093 / 4,093
	Link Aggregation 802.3ad/LACP	✔	✔	✔
	Discovery Protocol LLDP 802.1ab	✔	✔	✔
	Rate Limiting	✔	✔	✔
	Broadcast Storm Control	✔	✔	✔
L3 Routing	IPv4 Static Routing	✔	✔	✔
	IPv4 RIPv1/2, OSPFv1/2, VRRP, EMCP	✔	OSPFv2, VRRP, EMCP, BGP4	OSPFv2, VRRP, EMCP, BGP4
	IPv6 Static Routing, IPv6 OSPFv3	✔	✔	✔
	IPv4 / IPv6 Multicast Routing PIM-SM/DM	✔	PIM-SM/SSM	PIM-SM/SSM
Security	IEEE 802.1x (RADIUS)	✔	✔	✔
	ACL - Access Control Lists	MAC, IP, TCP	MAC, IP, TCP	MAC, IP, TCP
	SSL/SSH & HTTPS	SSL/SSH & HTTPS	SSL/SSH	SSL/SSH
	Guest VLAN	✔	✔	✔
	DHCP Snooping/IP Source Guard/ARP Guard	✔	✔	✔
	TACACS+	✔	✔	✔
Energy Efficiency	IEEE 802.3az	✔		
	Auto Port Power Down	✔		
	Dynamic Power Consumption	✔		
	Power Consumption	566W (without PoE) 2,006W (max PoE)	426 Watts	394 Watts
Physical	Desktop/Rackmount/Click	R	R	R
	Metal/Plastic Enclosure	Metal	Metal	Metal
	MTBF @ 25°C	519,784 hrs	281,359 hours	289,052 hours
	Fan(s)	Front to back	Front to back	Front to back
	Acoustic Noise @ 25°C	35.8dBA (no PoE); 66.8dBA (max PoE)	64dBA	68dBA
	Width x Depth x Height	440 x 535 x 88 mm (17.32 x 21.08 x 3.47 in)	440 x 508 x 43 mm (17.32 x 20 x 1.7 in)	440 x 508 x 43 mm (17.32 x 20 x 1.7 in)
	Weight	16.28 kg (35.86 lb) (K1)	9.78kg (21.54lb)	9.73kg (21.43lb)
Electromagnetic Compliance	Class (A or B)	A	A	A
Warranty Hardware		Lifetime	Lifetime	Lifetime
Warranty Power Supply		Lifetime	Lifetime	Lifetime
Modules		AGM731F/AGM732F; AXC761/3/5/7/10/15/20 AXM761/AXM762/AXM763/ AXM764/AXM765; AXLC761/AXLC763 AXLM761/AXLM762	AGM731F/AGM732F; AXC761/3/5/7/10/15/20 AXM761/AXM762/AXM763/ AXM764/ AXM765; AXLC761/3; ACC761/3 AXLM761/AXLM762; ACM761/ACM762	AGM731F/AGM732F; AXC761/3/5/7/10/15/20 AXM761/AXM762/AXM763/ AXM764/ AXM765; AXLC761/3; ACC761/3 AXLM761/AXLM762; ACM761/ACM762
ProSUPPORT Maintenance PKGS	OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year	PMB0314 PMB0334 PMB0354	PMB0314 PMB0334 PMB0354	PMB0314 PMB0334 PMB0354

Fully Managed Switches

MODEL		Fully Managed, M5300 series (L3), Gigabit and 10-Gigabit	Fully Managed, M6100 series (L3), Gigabit and 10-Gigabit
		M5300-28GF3 (GSM7328FS)	M6100 SERIES (XCM8900)
Port Configuration	10/100/1000 RJ45 Ports (Auto Uplink)	4 / 2 10GBase-T	Up to 144 / 72 10GBase-T
	Fiber Ports	24 SFP / 2 SFP+ (10G)	Up to 120 SFP / 48 SFP+
	10Gig Module Bays	2 I/O 10G bays	
PoE	Power Over Ethernet 802.3af Ports		Up to 144
	PoE Plus (30W) 802.3at Ports		Up to 144, including UPOE 60W
	Total PoE Budget		Up to 6,000W
Stacking	Number of Dedicated Stacking Ports	2 or 4	3-slot Chassis
	Stacking Bandwidth	48 Gbps AX742 I/O bays	Management and Fabric Redundancy
	Stacking (maximum capacity)	8 switches, 384 ports	Hitless Failover
	Stacking Compatibility	M5300, GSM72xxPS, GSM73xxSv2	Distributed Fabric
Scalability	# MAC Addresses	32,000	32,000
	ARP Table – Size of	6,144	8K
	# Routing Entries	12,000	12,000
	# ACL Rules	16,384 (ingress, egress)	16K (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	7
	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	144 Gbps	480 Gbps inter-module
	Buffer Memory	16 Mb	32 Mb (1G); 72 Mb (10G)
	Jumbo Frames	12,288	12,288
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	RPS	N+1 PSU
	Modular Power Supply	APS135W	Up to 4 or 8 APS1000W
Traffic Management	Number of 802.1q VLAN/Number of VLAN Group	4,093 / 4,093	4K / 4K
	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	55W	See online configurator
Physical	Desktop/Rackmount/Click	R	R
	Metal/Plastic Enclosure	Metal	Metal
	MTBF @ 25°C	539,481 hrs	387 years (Base Chassis)
	Fan(s)	✔	Front to back
	Acoustic Noise @ 25°C	35.6dBA	53dBA
	Width x Depth x Height	440 x 391 x 43.2 mm (17.32 x 15.39 x 1.7 in)	432 x 442 x 176 mm (17.01 x 17.39 x 6.93 in)
	Weight	5.4 kg (11.91 lb)	Up to 31.6 kg (69.67 lb)
Electromagnetic Compliance	Class (A or B)	A	A
Warranty Hardware		Lifetime	Lifetime
Warranty Power Supply		Lifetime	Lifetime
Modules		AFM735, AGM731F/AGM732F AX742, AX743/AX744/AX745; AXM761/AXM762/AXM763, AXM764; RPS4000 (RPS x4 switches)	XCM8948/XCM8944/XCM8944F/XCM8924X/XCM89P/XCM89UP; RPS4000v2;AGM731F/AGM732F/AGM734; AXM761/AXM762/ AXM763; AXC761/AXC763/AXC753; APS1000W; AFT603
ProSUPPORT Maintenance PKGS	OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year	PMB0313 PMB0333 PMB0353	PMB0314 PMB0334 PMB0354

Modules and Accessories for Switches

For use with managed switches

Gigabit Fiber Modules

MODEL	AGM731F	AGM732F	AGM734	AFM735
Product Description	SFP Transceiver 1000BASE-SX	SFP Transceiver 1000BASE-LX	SFP Transceiver 1000BASE-T	SFP Transceiver 100BASE-FX
Distance	Up to 550m	Up to 10km	Up to 100m	Up to 2km
Cabling Type	IEEE 802.3z 1000BASE-SX	IEEE 802.3z 1000BASE-LX	1000BASE-T	IEEE 802.3-2002 100BASE-FX
Connector	LC duplex	LC duplex	RJ45	LC duplex
Interface (Bus) Type	Small Form Factor Pluggable (SFP)	Small Form Factor Pluggable (SFP)	Small Form Factor Pluggable (SFP)	Small Form Factor Pluggable (SFP)
Form Factor	Plug-in module	Plug-in module	Plug-in module	Plug-in module
Data Transfer Rate	1 Gbps	1 Gbps	1 Gbps	100 Mbps
Hot-Swappable	✓	✓	✓	✓
Fiber Cable Support	50µm OM4 multimode (1000m); 50µm OM3 multimode (550m); 62.5µm OM1/OM2multimode (275m)	9µm single mode (10km)	Copper CAT5E or better (1000 Mbps Full Duplex only)	50µm/62.5µm OM1/OM2/OM3/OM4 multimode (2km)
Switch Compatibility	Select Smart Managed (Plus, Pro), Fully Managed Switches	Select Smart Managed (Plus, Pro), Fully Managed Switches	Select Smart Managed (Plus, Pro), Fully Managed Switches	Select Smart Managed (Plus, Pro), Fully Managed Switches
Warranty	5 years	5 years	5 years	5 years

10-Gigabit Copper and Fiber Modules

MODEL	AX742	AX743	AX745	AXM761	AXM762
Product Description	24 / 48 Gigabit Stacking Kit	I/O Module SFP+	I/O Module 10GBase-T	SFP+ Transceiver 10GBASE-SR	SFP+ Transceiver 10GBASE-LR
Distance	N/A	N/A	Up to 100m	Up to 500m	Up to 10km
Cabling Type	CX4 Cable	Fiber or DAC	CAT5/5E: GIGABIT CAT6: 10GBASE-T 30m CAT6A/7: 10GBASE-T 100m	10GBASE-SR "Short Reach"	10GBASE-LR "Long Reach"
Connector	CX4	SFP+	One RJ45 connection	LC duplex	LC duplex
Interface (Bus) Type	24/48 Gigabit High-speed Stacking	10-Gigabit Small Form Factor Pluggable (SFP+)	10-Gigabit 10GBASE-T	10-Gigabit Small Form Factor Pluggable (SFP+)	10-Gigabit Small Form Factor Pluggable (SFP+)
Form Factor	Plug-in module	I/O Module	I/O Module	Plug-in SFP+	Plug-in SFP+
Data Transfer Rate	12 Gbps Full-duplex (24 Gbps)	10 Gbps	10 Gbps	10 Gbps	10 Gbps
Hot-Swappable	✓	✓	✓	✓	✓
Fiber Cable Support	NA	Depends on SFP+ optics	NA	50µm OM4 multimode (500m); 50µm OM3 multimode (300m); 62.5µm OM1/OM2multimode (33m)	9µm single mode (10km)
Switch Compatibility	M5300 series (rear bays)	M5300 series (rear bays)	M5300 series (rear bays)	Select Smart Managed (Plus, Pro), Fully Managed Switches	Select Smart Managed (Plus, Pro), Fully Managed Switches
Warranty	5 years	5 years	5 years	5 years	5 years

10-Gigabit Copper and Fiber Modules

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

Modules and Accessories for Switches

For use with managed switches

10-Gigabit Copper and Fiber Modules

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

40-Gigabit Copper and Fiber Modules

MODEL	AXLC761	AXLC763	AXLM761	AXLM762
Product Description	Passive QSFP+ DAC 1m	Passive QSFP+ DAC 3m	QSFP+ Transceiver 40GBASE-MR4 (BiDi)	QSFP+ Transceiver 40GBASE-LR4
Distance	1m	3m	Up to 150m	Up to 10km
Cabling type	Direct Attach Cable	Direct Attach Cable	40GBASE-MR4 (BiDi 1 MMF link)	40GBASE-LR4
Connector	QSFP+	QSFP+	LC duplex	LC duplex
Interface (Bus) type	40 Gigabit Small Form Factor Pluggable (QSFP+)	40 Gigabit Small Form Factor Pluggable (QSFP+)	40 Gigabit Small Form Factor Pluggable (QSFP+)	40 Gigabit Small Form Factor Pluggable (QSFP+)
Form Factor	QSFP+ Cable	QSFP+ Cable	Plug-in QSFP+	Plug-in QSFP+
Data transfer Rate	40 Gbps	40 Gbps	40 Gbps	40 Gbps
Hot-Swappable	✓	✓	✓	✓
Fiber Cable support	NA	NA	50µm OM3 or OM4 multimode (150m); 9µm single mode (2km)	9µm single mode (10km)
Switch Compatibility	M4300-96X, M4500 Switches	M4300-96X, M4500 Switches	M4300-96X, M4500 Switches	M4300-96X, M4500 Switches
Warranty	5 Year	5 Year	5 Year	5 Year

100-Gigabit Copper and Fiber Modules

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

Modular Power Supply

MODEL	APS135W	APS150W	APS199W	APS250W	APS550W
Product Description	135-Watt Modular Power Supply	150-Watt Modular Power Supply	199-Watt Modular Power Supply	250-Watt Modular Power Supply	550-Watt Modular Power Supply
Hot-Swappable	When used with an RPS	When 2 PSUs	-	When 2 PSUs	When 2 PSUs
Switch Compatibility	M5300 series (non-PoE versions)	M4300 series (1G non-PoE models)	M4300-16X (PA)	M4300 series (10G models)	M4300 series (PoE PA models)
Warranty	5 year	5 year	5 year	5 year	5 year

Modules and Accessories for Switches

For use with managed switches

Modular Power Supply					
MODEL	APS600W	APS750W	APS1000W	APS1200W	RPS4000v2
Product Description	600-Watt Modular Power Supply	750-Watt Modular Power Supply	1,000-Watt Modular Power Supply	1,200-Watt Modular Power Supply	Redundant/External Power Supply (RPS/EPS for up to 4 switches)
Hot-Swappable	When 2 PSUs	When 2 PSUs	When 2 PSUs	When 2 PSUs	
Switch Compatibility	M4300-16X (PB), M4300-96X	M4500 series	RPS4000v2, M4300 series (PoE PB models), M6100	M4300-96X	S3300 (PoE), M4100, M4300 (48p PoE models), M5300, M6100
Warranty	5 year	5 year	5 year	5 year	5 year

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

SIMPLY CHOOSE THE BEST WAY TO MANAGE YOUR WIRELESS NETWORK

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

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

STAND ALONE

An easy-to-use configuration that's perfect for small organizations. Each access point can be configured and managed individually.

Available for all models.
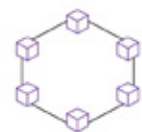
ENSEMBLE

Expand coverage with up to 10 access points of the same model in Ensemble mode. No additional hardware, licenses or support fees are required.

Available for WAC720 & WAC730.

INSIGHT CLOUD

Centralized cloud management and monitoring through the Insight app or Cloud Portal for single or multi-location deployments.

Available for WAC540, WAC510, & WAC505.
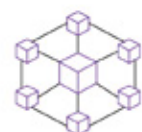
CONTROLLER

Controller mode supports centralized management for headquarters, branch office and campus locations and provides seamless roaming for all users.

Available for WAC720, WAC 730, & WAC740.

INTRODUCING ONE-TOUCH WIRELESS VISIBILITY & MANAGEMENT

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

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

WAC540 / WAC510 / WAC505 / WIRED/WIRELESS DASHBOARD / DETAILED CLIENT STATISTICS / WIRED AND WIRELESS DATA
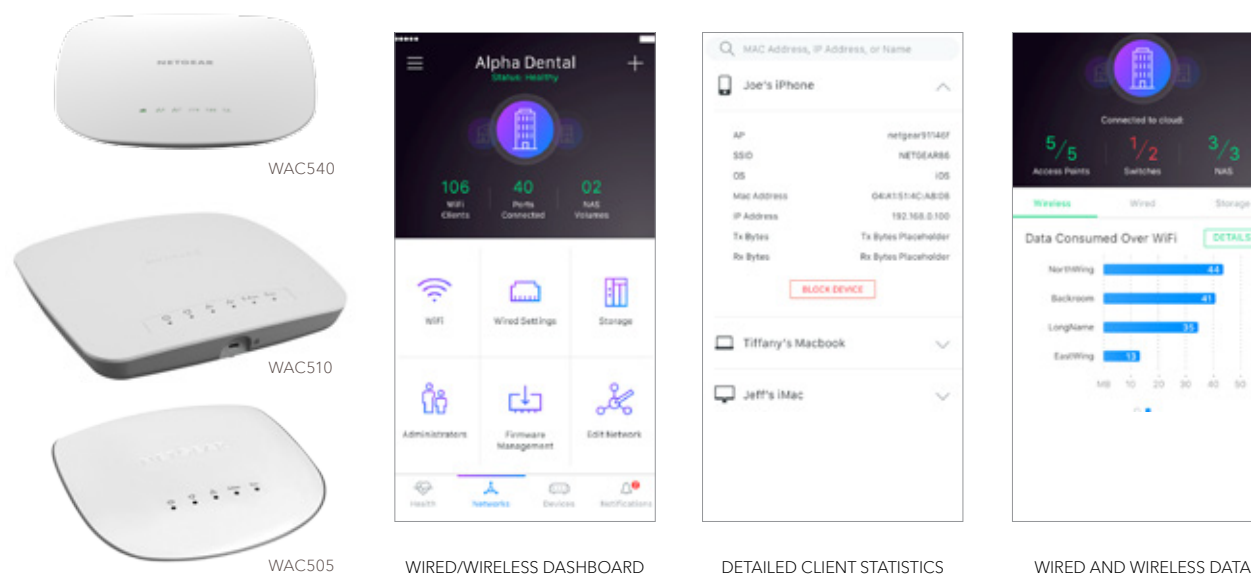
BUSINESS FEATURES FOR HIGHER SPEED, GREATER COVERAGE AND HIGHER DENSITY WIFI
Business class WiFi with superior Wave 2 802.11ac performance and range
2x2 and 4x4 with multiple streams of data for aggregate throughput of up to 1.2Gbps for WAC505, 1.3Gbps for WAC510 and 3Gbps for WAC540
Multi-User Multiple In Multiple Out (MU-MIMO) avoids congestion and ensures performance in high client density deployments like public WiFi hotspots
One Ethernet port, with Power-over-Ethernet (PoE) for ease of deployment (PoE switch & AC/DC power adapter are sold separately)
One-touch network visibility. Anywhere. - Smart Cloud remote app management for unrivaled mobile management experience of your wireless network
App managed, through NETGEAR Insight app for one-touch installation and management of all your WAC505, WAC510 and WAC540 Access Points, no additional hardware needed
Market leading 5-year warranty with 24x7 chat support for peace of mind

DIY WIFI FOR SMALL BUSINESSES
WITH ORBI PRO WIFI SYSTEM

The Orbi™ Pro tri-band WiFi System is built for small businesses. With patented FastLane3 technology, it's the industry's first purpose-built WiFi solution made for small business owners to install themselves. The Orbi Pro Tri-band WiFi System has award-winning technology to provide growing businesses with secure, reliable, and blazing fast WiFi.

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

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

Better WiFi for Business. Everywhere.

Orbi Pro AC3000 Tri-band WiFi System

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

3 Secure, separate WiFi networks

Guest portal with instant customization

5,000 sq.ft. coverage (expandable to 20,000 sq.ft. with 6 additional satellites)

Desktop, wall mount, ceiling mount

Ideal for retail, shops, small businesses and offices

Router   Desktop Satellite   Insight Management Solution
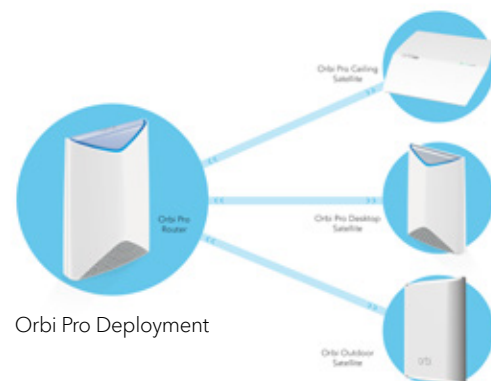
Orbi Pro Deployment

Wireless Controllers

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

Wireless Access Points

11AC Access Points

WiFi Essentials · Insight Managed Smart Cloud

MODEL	WAC104	WAC124	WAC505	WAC510
Product Description	Dual Band 802.11ac Wireless Access Point	Dual Band 4x4 Wireless Access Point	Insight Managed Smart Cloud Wireless Access Point	AC WiFi Business AP with NETGEAR® Insight app for easy management
Typical Deployment	High performance small and home office	Designed for SOHO applications customers	Medium and micro business sites	Small to Mid-size customers for ease of deployment
WIRELESS				
Standard	802.11ac	802.11ac Wave 2	802.11ac Wave 2	802.11 a/b/g/n/ac
Dual Band	concurrent	concurrent	concurrent	concurrent
2.4 GHz	✓	✓	✓	✓
5 GHz	✓	✓	✓	✓
TX by Rv	2 x 2 (2.4GHz)	2 x 2 (2.4GHz) 4x4 (5GHz)	2x2 (2.4 and 5GHz)	2 x 2
Throughput per Radio	300/867 Mbps	300/1732 Mbps	300/867 Mbps	300/867 Mbps
Max # of Concurrent Clients (standalone)	24	32	100	200
HARDWARE				
# of Ethernet Ports	4+1 (AN, WAN)	4+1 (Lan,Waan)	1	2
Speed of Ethernet Ports	10/100/1000 Mbps	10/100/1000 Mbps	10/100/1000 Mbps	10/100/1000 Mbps
PoE			✓	✓
Antenna Type	External	External/Internal	Internal	Internal
Antenna Gain	3dBi	3dBi	3/6dBi (2.4/5GHz)	3dBi (2.4GHz) 6dBi (5GHz)
Physical Size	240 x 181 x 41 mm	236 x 151 x 55 mm	175 x 165 x 35 mm (6.89 x 6.49 x 1.38 in)	197x 197 x 37 mm
Enclosure Material	Plastic	Plastic	Plastic	Plastic
Kensington Lock			✓	✓
Ceiling/Wall Mounting	✓	✓	✓	✓
Power Consumptions (W) Max	8.1W	16.2W	8.9W	9W
MANAGEMENT				
Deployment Options	Standalone	Standalone	Standalone / Insight	Standalone / Insight
FEATURES				
# of BSSIDs	1	3	8	8
WEP	✓		✓	
WPA-PSK/TKIP	✓	✓	✓	✓
WPA2-PSK/AES	✓	✓	✓	✓
802.1X				
Rogue AP Detection				✓
WIDS/WIPS				✓
Wireless Distribution Systems	✓	Client mode	✓	✓
Repeater			✓	✓
Point-to-Point/Multi-Point	✓	✓	✓	✓
Simultaneous Bridge/Client Association	✓	✓	✓	✓
Captive Portal			✓	✓
VLANs			✓	✓
MAC ACL	✓	✓	✓	✓
802.11e/WMM	✓	✓	✓	✓
Rate Limiting			✓	✓
Bandwidth Management				✓
Beamforming		✓	✓	✓
Bandsteering	✓	✓	✓	✓
ORDERING				
Warranty	3 years	3 years	5 years	5 years
Product Ordering SKU	WAC104-100NAS WAC104-100AUS WAC104-100PES WAC104-100UKS WAC104-100INS	WAC124-100NAS WAC124-100PES WAC124-100UKS WAC124-100CNS	WAC505-100NAS WAC505-10000S	WAC510-10000S WAC510-100NAS
ProSUPPORT Maintenance PKGS				
OnCall 24x7 1-year	PMB0S11	PMB0311	PMB0S31	PMB0S12
OnCall 24x7 3-year	PMB0S31	PMB0331	PMB0S31	PMB0S32
OnCall 24x7 5-year	PMB0S51	PMB0351	PMB0S51	PMB0S52

Wireless Access Points

11AC Access Points

Tri-Band WiFi System · Outdoor

MODEL	WAC540	WAC564	ORBI PRO	RBS50Y	SRC60
Product Description	AC WiFi Business AP with NETGEAR Insight app for easy management	Insight Instant Mesh Access Point	AC3000 Tri-band WiFi System	Orbi Outdoor Satellite	AC3000 Tri-band WiFi Satellite
Typical Deployment		MB businesses	SMB businesses	Outdoor use	SMB Businesses
WIRELESS					
Standard	802.11ac Wave 2	802.11ac Wave 2	802.11ac Wave 2	802.11 b/g/n/a/ac	801.11ac Wave 2
Dual Band	Tri band	Tri band	Tri band	Tri band	Tri band
2.4 GHz	✓	✓	✓	✓	✓
5 GHz	✓	✓	✓	✓	✓
TX by Rv	4x4 @5GHz, 2x2 @5GHz, 2x2 @2.4GHz	4x4 @5GHz, 2x2 @5GHz, 2x2 @2.4GHz	4x4 @5GHz, 2x2 @5GHz, 2x2 @2.4GHz	2x2 front haul and 4x4 backhaul	4x4 @5GHz, 2x2 @5GHz, 2x2 @2.4GHz
Throughput per Radio	400/867/1733 Mbps	1,733 + 866 + 400 Mbps, (5, 2.4GHz)	1,733 + 866 + 400 Mbps, (5, 2.4GHz)	1,733 + 866 + 300 Mbps, (5, 2.4GHz)	1,733 + 866 + 400 Mbps, (5, 2.4GHz)
Max # of Concurrent Clients (standalone)	600	40 per node and same for all Orbi Pro	40 per node and same for all Orbi Pro	40	40
HARDWARE					
# of Ethernet Ports	2	4	4	0	2
Speed of Ethernet Ports	10/100/1000 Mbps	10/100/1000 Mbps	10/100/1000 Mbps		10/100/1000 Mbps
PoE	PoE+ (25.5w)				PoE+ (25.5w)
Antenna Type	Internal	Six (6) high-performance antennas with high-power amplifiers	Six (6) high-performance antennas with high-power amplifiers	Six (6) high-performance antennas with high-power amplifiers	Six (6) high-performance antennas with high-power amplifiers
Antenna Gain	3dBi (2.4GHz) 4dBi (5GHz)	3dBi (2.4GHz) 4dBi (5GHz)	3dBi (2.4GHz) 4dBi (5GHz)	3dBi	3dBi (2.4GHz) 4dBi (5GHz)
Physical Size	242 x 242 x 40 mm	174 x 85 x 247 mm (6.8 x 3.3 x 9.7 in)	174 x 85 x 247 mm (6.8 x 3.3 x 9.7 in)	8.3 x 2.7 x 10.6 in	10.5 x 9.4 x 1.6in (267 x 239 x 41mm)
Enclosure Material	Plastic	Plastic	Plastic	Plastic & Metal in the back	Plastic
Kensington Lock					
Ceiling/Wall Mounting	✓	✓	✓	Wall Mounting	✓
Power Consumptions (W) Max	25.5W			19.21W	25.5w
MANAGEMENT					
Deployment Options	Standalone/Insight	Standalone/Insight	Standalone/Insight	Standalone/Insight	Standalone/Insight
FEATURES					
# of BSSIDs	8	3	3	3	3
WEP	✓	✓	✓	✓	✓
WPA-PSK/TKIP	✓	✓	✓	✓	✓
WPA2-PSK/AES	✓	✓	✓	✓	✓
802.1X	✓	✓	✓	✓	✓
Rogue AP Detection	✓				
WIDS/WIPS	✓				
Wireless Distribution Systems	✓				
Repeater					
Point-to-Point/Multi-Point	✓				
Simultaneous Bridge/Client Association	✓				
Captive Portal	✓	✓	✓	Works with Orbi Pro to support	✓
VLANs	✓	✓	✓	✓	✓
MAC ACL	✓	✓	✓	✓	✓
802.11e/WMM	✓	✓	✓	✓	✓
Rate Limiting	✓				
Bandwidth Management	✓				
Beamforming	✓	✓	✓	✓	✓
Bandsteering	✓	✓	✓	✓	✓
ORDERING					
Warranty	5 years	5 years	5 years	1 year	5 years
Product Ordering SKU	WAC540-100NAS WAC540-10000S WAC540PA-100NAS	WAC564-100NAS WAC564-CNS WAC564-100EUS WAC564-100AUS WAC564-100JPS	SRK60-100NAS SRS60-100NAS	RBS50Y-100NAS	SRC60-100NAS SRC60-100EUS SRC60-100AUS SRC60-100JPS
ProSUPPORT Maintenance PKGS					
OnCall 24x7 1-year		PMB0311	PMB0S12	PMB0311
OnCall 24x7 3-year		PMB0331	PMB0S32	PMB0331
OnCall 24x7 5-year		PMB0351	PMB0S52	PMB0351

Wireless Access Points

11AC Access Points

11AC Premium Wireless

MODEL	WAC720	WAC730	WAC740
Product Description	Wireless-AC Dual Band Business AP	Wireless-AC Dual Band Premium AP	Wireless-AC Dual Band Wave 2 AP
Typical Deployment	Medium enterprise, high schools with advanced WiFi, hotel, mid-size hospital	Medium enterprise, high schools with advanced WiFi, hotel, mid-size hospital	Mid to Large enterprise, higher education with advanced WiFi, hotel, hospital
WIRELESS			
Standard	802.11 a/b/g/n/ac	802.11 a/b/g/n/ac	802.11 a/b/g/n/ac
Single Band			
Dual Band	✓ (concurrent)	✓ (concurrent)	✓ (concurrent)
2.4 GHz	✓	✓	✓
5 GHz	✓	✓	✓
TX by Rv	2 x 2	3 x 3	4 x 4
Throughput per Radio	300/867 Mbps	450/1300 Mbps	600/1700 Mbps
Max # of Concurrent Clients (standalone)	256	256	100
Max # of Concurrent Clients (managed)	128	128	128
HARDWARE			
# of Ethernet Ports	1	1	2
Speed of Ethernet Ports	10/100/1000 Mbps	10/100/1000 Mbps	1G/2.5G Multi-Gig Ethernet 10/100/1000 Mbps
PoE	✓	✓	✓
Antenna Type	Internal	Internal	Internal
Antenna Gain	5dBi (2.4GHz) 6dBi (5GHz)	5dBi (2.4GHz) 6dBi (5GHz)	5dBi (2.4GHz) 6dBi (5GHz)
Additional External Antenna Connectors	two 2.4/5GHz reverse SMA	three 2.4/5GHz reverse SMA	four 2.4/5GHz reverse SMA
Plenum			
Physical Size	197 x 197 x 40 mm	197 x 197 x 40 mm	197 x 197 x 40 mm
Enclosure Material	Plastic front - Metal Gray back	Plastic front - Metal Gray back	Plastic front - Metal White back
Kensington Lock	✓	✓	✓
Ceiling/Wall Mounting	✓	✓	✓
Power Consumptions (W) Max	11	12.9	17.9
MANAGEMENT			
Deployment Options	Standalone / Ensemble / Business Central / Controller (WC7500/ WC7600/9500)	Standalone / Ensemble / Business Central / Controller (WC7500/ WC7600/9500)	Controller (WC7500/WC7600/9500)
Business Central Management	✓	✓	
SNMP	✓	✓	✓
FEATURES			
# of BSSIDs	16	16	16
WEP	✓	✓	✓
WPA-PSK/TKIP	✓	✓	✓
WPA2-PSK/AES	✓	✓	✓
802.1X	✓	✓	✓
Rogue AP Detection	✓	✓	✓
WIDS/WIPS	✓	✓	
Wireless Distribution Systems (WDS)	✓	✓	
Repeater	✓	✓	
Point-to-Point/Multi-Point	✓	✓	
Simultaneous Bridge /Client Association	✓	✓	
Captive Portal	✓	✓	✓
VLANs	✓	✓	✓
MAC ACL	✓	✓	✓
802.11e/WMM	✓	✓	✓
Rate Limiting	✓	✓	✓
Bandwidth Management			
Beamforming	✓	✓	✓
IPv6	✓	✓	
Bandsteering	✓	✓	✓
ORDERING			
Warranty	Lifetime	Lifetime	Lifetime
Product Ordering SKU	WAC720-10000S WAC720-100NAS	WAC730-10000S WAC730-100NAS	WAC740-10000S WAC740-100NAS
ProSUPPORT Maintenance PKGS			
OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year	PMB0311 PMB0331 PMB0351	PMB0311 PMB0331 PMB0351	PMB0311 PMB0331 PMB0351

Wireless Access Points

Wireless Access Points- Outdoors

MODEL	WBC502	WND930	WN370
Product Description	Insight Instant Wireless AirBridge	Dual Band High Power 802.11n Outdoor AP	Wireless-N Wall Mount Access Point
Typical Deployment	Point-to-Point network extension to a detached site	Outdoor deployment for schools, hotels, and medium enterprise	Hotels, motels, school dormitories
WIRELESS			
Standard	802.11AC Wave 2	802.11 a/b/g/n	802.11 b/g/n
Single Band			✓
Dual Band	✓	✓ (concurrent)	
2.4 GHz	✓ (for management only)	✓	✓
5 GHz	✓	✓	
TX by Rv	2 x 2	2 x 2	2 x 2
Throughput per Radio	867 Mbps	300/300 Mbps	300 Mbps
Max # of Concurrent Clients (standalone)	In long distance AirBridge mode: Zero clients In Access Point mode: 32 clients	128	N/A
Max # of Concurrent Clients (managed)	No	128	64
HARDWARE			
# of Ethernet Ports	2	3	4 (LAN) + 1 (uplink) 2 (voice)
Speed of Ethernet Ports	10/100/1000 Mbps	10/100/1000 Mbps	4 x 10/100 Mbps + 1 (1G) 2 (voice)
PoE	1x (Must use the included Power Adaptor, 24V)	✓	✓
Antenna Type	Internal	Internal/External	Internal
Antenna Gain	14dBi in 5.0GHz	5dBi (2.4GHz) 7dBi (5GHz)	5 dBi
Additional External Antenna Connectors	No	two 2.4 GHz and two 5 GHz female type N	
Plenum	IP55	IP67	
Physical Size	186mm (L) x 100m (W) x 29mm (H) (7.54" x 4.49" x 1.88")	255 x 255 x 78 mm	135 x 93 x 26 mm
Enclosure Material	Plastic	Plastic front - Metal back	Plastic
Kensington Lock			
Ceiling/Wall Mounting	Wall and pole mounting	✓	wall (junction box)
Power Consumptions (W) Max	8.93W	15.2W (heater off)	5.1W
MANAGEMENT			
Deployment Options	Standalone or Insight managed	Standalone / Controller (WC7600/WC9500)	Controller (WC7600/9500)
Business Central Management	Future	Future	
SNMP	✓		✓
FEATURES			
# of BSSIDs	0 in Point-to-Point AirBridge Mode 8 in WiFi AP Mode	1	8
WEP		✓	✓
WPA-PSK/TKIP	✓	✓	✓
WPA2-PSK/AES	✓	✓	✓
802.1X	Supported in WiFi AP Mode		✓
Rogue AP Detection	No		✓
WIDS/WIPS	No		
Wireless Distribution Systems (WDS)	✓	✓	✓
Repeater		✓	
Point-to-Point/Multi-Point	✓	✓	
Simultaneous Bridge /Client Association	✓	✓	
Captive Portal	No	✓	✓
VLANs	✓ (in AP mode)	✓	✓
MAC ACL	Supported in WiFi AP Mode	✓	✓
802.11e/WMM	✓	✓	✓
Rate Limiting	Supported in WiFi AP Mode	✓	✓
Bandwidth Management			
Beamforming	✓		
IPv6	✓	✓	
Bandsteering		✓	
ORDERING			
Warranty	5-years	2 years	Lifetime
Product Ordering SKU	WBC502-100NAS WBC502-100EUS	WND930-1000S WND930-100NAS	WN370-10000S
ProSUPPORT Maintenance PKGS			
OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year	PMB0311 PMB0331 PMB0351	PMB0311 PMB0331 PMB0351	PMB0311 PMB0331 PMB0351

WIRELESS LAN ANTENNAS AND CABLES

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

MODEL	ANT24501B	ANT224D10	ANT2409	ANT2511AC
Description	NETGEAR Outdoor Dual Band Omni Antenna Bundle Kit	10dBi 2x2 indoor/outdoor directional antenna -ANT224D10	9dBi Omni-directional Antenna - ANT2409	Wireless AC Dual Band Antenna
Wireless Mode	IEEE 802.11 a/b/g/n	IEEE 802.11n	IEEE 802.11g	IEEE 802.11 a/b/g/n/ac
Typical Application	Outdoor for wireless client access	Indoor/Outdoor	Any 11n Indoor Access Point	External antenna for 700 series wireless access points
Recommended Access Point	WND930 Outdoor AP	Any 11n Indoor Access Point	WAG302, WG302, WG102, FWG114Pv2, FWG114P, and DG824M	WAC720, WAC730, WAC740
Maximum Outdoor Range	1.6 km (1 mile)	8.5 km (5.28 miles)1	11.5 km (7.2 miles)2	
Frequency Range	2400 - 2500MHz 4900 - 5850MHz	2400 - 2500MHz	2400 - 2485MHz	2.4 to 2.5 GHz and 4.9 to 5.85 GHz
Gain	5dBi (2.4GHz) 7dBi (5GHz)	10dBi3	9dBi3	2.5dBi (2.4 GHz) and 4dBi (5 GHz)
Beam Width	Horizontal 360° Vertical 11°	Horizontal 33° Vertical 32°	Horizontal 360° Vertical 30°	Horizontal 360° Vertical 75° (2.4 GHz) and Horizontal 360° Vertical 22.5° (5 GHz)
Polarization	Linear; Vertical	Linear; Vertical	Vertical	Linear; Vertical
Operational Temperature	-20° to +60°C (-4° to 140°F)	-30° to 80°C (-22° to 176°F)	-30° to 80°C (-22° to 176°F)	-20°C to +60°C
Dimensions	215 x 22 x 11 mm (8.5 x 0.9 x 0.4 in)	240 x 240 x 40 mm (9.45 x 9.45 x 1.57 in)	625 x 75 x 56 mm (24.6 x 2.95 x 2.2 in)	185 x 36.2 x 12.7 mm (7.283 x 1.425 x 0.5 in)
Weight	.2 kg (0.4 lb)	.7 kg (1.54 lb)	.9 kg (2 lb)	0.025 kg (0.055116 lb)
Connectors	N-Plug Male	· Antenna - N Jack Male · Lightening arrestor - N Jack Male to N Jack Male · Extended Cable - N Plug Female	· Antenna - Reverse N female · Lightening arrestor - Reverse N female · Adapter - Reverse SMA	RP SMA-PlugZ (SMA Male Reverse)
Package Contents	· 2 x 2.4GHz omni directional antennas · 2 x 5GHz omni directional antennas · Installation guide	· NETGEAR Indoor/ Outdoor 10dB 2x2 Directional Antenna ANT224D10 · 2 lightning arrestors with 30 cm low-loss cables · 2 reverse N/SMA adapters · Wall mount and pole mounting hardware · Installation Guide and Warranty/ Support card	· Indoor/Outdoor 9dBi Omni-directional · Antenna - ANT2409 (cable required, sold separately) · Wall and pole mount brackets and hanging materials · One reverse N type to reverse SMA adapter · 2 m low-loss antenna cable (connection for lightning arrestor) · Lightning arrestor · Installation guide and Warranty/support card	· 1 x 2.4/5GHz omni directional antenna · Installation guide
Warranty*	2 years			
Ordering Information (all regions)	ANT24501B-10000S	ANT224D10-10000S	ANT2409-20000S	ANT2511AC-10000S

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

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

[3] Gain: A ratio of decibels to an isotropic antenna that is commonly used to measure antenna coverage.

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

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

STORAGE

GET THE MOST SECURE NETWORK STORAGE AND BACKUP WITH READYNAS

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

Your data. Your Business. Protected.

Most secure network storage & back up

- Hybrid backup (on premises + Cloud) with automatic data backup to ReadyNAS and to public Cloud – Amazon AWS Cloud, Dropbox, Google Drive, OneDrive, Azure

- Disaster Recovery - Automatic and incremental, block level backup to a secondary ReadyNAS

- Guard against ransomware based on Snapshot technology

- 5 levels of data protection against mechanical, physical, virus, malware, human, full system

- Better data robustness, repair, data protection, full journaling for data repair

Highest performance & access speed

- Fast access to data, more simultaneous users, faster encryption processing for higher security, higher workload virtualization thanks to latest and fastest Intel processor technology

- 10G connectivity in more than half of the ReadyNAS models

- ReadyNAS software uses Linux 4 kernel that offers security enhancements & better performance

- Plex streaming – Multi-core processor with Full HD transcoding (ideal use for 200 and 420 desktop series)

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

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

Best protection against ransomware with Industry's only block level hourly configurable Snapshot technology
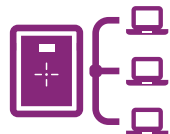
High-end desktop ReadyNAS and rackmount NAS are optimized for virtualized environments with VMWare

ReadyNAS

Desktop

	ReadyNAS 212	ReadyNAS 214	ReadyNAS 422	ReadyNAS 424
Product Description	2-Bay Desktop	4-Bay Desktop	2-Bay Desktop	4-Bay Desktop
Internal Capacity	20TB	40TB	20TB	40TB
File Protocols	NFS, CIF/SMB, AFP, HTTP(S), FTP(S), WebDAV	NFS, CIF/SMB, AFP, HTTP(S), FTP(S), WebDAV	NFS, CIF/SMB, AFP, HTTP(S), FTP(S), WebDAV	NFS, CIF/SMB, AFP, HTTP(S), FTP(S), WebDAV
Block Protocols	iSCSI	iSCSI	iSCSI	iSCSI
File System	BTRFS	BTRFS	BTRFS	BTRFS
Supported Drive Types	Desktop SATA	Desktop	Desktop/Enterprise SATA	Desktop/Enterprise SATA
Gigabit Ethernet Ports	2	2	2	2
10G Ethernet Port	0	0	0	0
Supports EDA500 Expansion Chassis	No	No	No	No
Reliability Features	Hot Swappable Disks Network Failover	Hot Swappable Disks Network Failover	Hot Swappable Disks Network Failover	Hot Swappable Disks Network Failover
CPU	Marvell Annapurna AL212 Quad Core 1.4GHz High Performance ARM Cortex A15	Marvell Annapurna AL212 Quad Core 1.4GHz High Performance ARM Cortex A15	Intel Atom C3338 Dual Core	Intel Atom C3338 Dual Core
Memory	2GB	2GB	2GB DDR4	2GB DDR4
RAID Level Supported	RAID 0,1	RAID 0,1,5,6,10	RAID 0,1	RAID 0,1,5,6,10
Auto Volume Expansion	XRAID2	XRAID2	XRAID2	XRAID2
Unique Features	Most versatile and secure remote access: · ReadyCLOUD Collaboration, Sync & Backup · ReadyCLOUD automated VPN 5-levels of data protection · XRAID and/or Flex-RAID (model dependent) · Protection of data with performance-neutral snapshots · Protection against silent data corruption ("Bitrot") · Real-time anti-virus · Integrated, web-managed replication to the cloud ReadyDR - Disaster Recovery Solution · Incremental backup to another ReadyNAS · Easy recovery of full data set	Most versatile and secure remote access: · ReadyCLOUD Collaboration, Sync & Backup · ReadyCLOUD automated VPN 5-levels of data protection · XRAID and/or Flex-RAID (model dependent) · Protection of data with performance-neutral snapshots · Protection against silent data corruption ("Bitrot") · Real-time anti-virus · Integrated, web-managed replication to the cloud ReadyDR - Disaster Recovery Solution · Incremental backup to another ReadyNAS · Easy recovery of full data set	Most versatile and secure remote access: · ReadyCLOUD Collaboration, Sync & Backup · ReadyCLOUD automated VPN 5-levels of data protection · XRAID and/or Flex-RAID (model dependent) · Protection of data with performance-neutral snapshots · Protection against silent data corruption ("Bitrot") · Real-time anti-virus · Integrated, web-managed replication to the cloud ReadyDR - Disaster Recovery Solution · Incremental backup to another ReadyNAS · Easy recovery of full data set	Most versatile and secure remote access: · ReadyCLOUD Collaboration, Sync & Backup · ReadyCLOUD automated VPN 5-levels of data protection · XRAID and/or Flex-RAID (model dependent) · Protection of data with performance-neutral snapshots · Protection against silent data corruption ("Bitrot") · Real-time anti-virus · Integrated, web-managed replication to the cloud ReadyDR - Disaster Recovery Solution · Incremental backup to another ReadyNAS · Easy recovery of full data sett
Onboard Backup Options	ReadyCLOUD user directory backup Remote & Local Time Machine	ReadyCLOUD user directory backup Remote & Local Time Machine	ReadyCLOUD user directory backup Remote & Local Time Machine	ReadyCLOUD user directory backup Remote & Local Time Machine
VMware Ready	No	No	Yes	Yes
ReadyDR for Disaster Recovery	No	No	Yes	Yes
Warranty (System)	3 year standard warranty	3 year standard warranty	5 year standard warranty	5 year standard warranty
Optimal Number of User Support	1 ~ 20	1~20	1~40	1~40
System SKUs	RN21200 RN2121D RN2122D	RN21400 RN2121D RN21442D	RN42200 RN422D2 RN422D4 RN422D6 RN422E4 RN422E6	RN42400 RN424D2 RN424D4 RN424D6 RN424E4 RN424E6
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

ReadyNAS

Desktop

	ReadyNAS 426	ReadyNAS 428	ReadyNAS 524X	ReadyNAS 526X
Product Description	6-Bay Desktop	8-Bay Desktop	8-Bay Desktop	6-Bay Desktop
Internal Capacity	60 TB	80 TB	40TB	60TB
File Protocols	NFS, CIF/SMB, AFP, HTTP(S), FTP(S), WebDAV	NFS, CIF/SMB, AFP, HTTP(S), FTP(S), WebDAV	NFS, CIF/SMB, AFP, HTTP(S), FTP(S), WebDAV	NFS, CIF/SMB, AFP, HTTP(S), FTP(S), WebDAV
Block Protocols	iSCSI	iSCSI	iSCSI	iSCSI
File System	BTRFS	BTRFS	BTRFS	BTRFS
Supported Drive Types	Desktop/Enterprise SATA	Desktop/Enterprise SATA	Desktop/Enterprise SATA	Desktop/Enterprise SATA
Gigabit Ethernet Ports	2	2	0	0
1G Ethernet Port			1	
10G Ethernet Port	0	0	1	2 (10GBaseT)
Supports EDA500 Expansion Chassis	No	No	Yes. Not Recommended for High Performance Applications	Yes. Not Recommended for High Performance Applications
Reliability Features	Hot Swappable Disks Network Failover	Hot Swappable Disks Network Failover	Hot Swappable Disks Network Failover ECC Memory	Hot Swappable Disks Network Failover ECC Memory
CPU	Intel Atom C3538 Quad Core	Intel Atom C3538 Quad Core	Intel Server Processor D-1508 Dual Core 2.2GHz	Intel Server Processor D-1508 Dual Core 2.2GHz
Memory	4GB DDR4	4GB DDR4	4GB DDR4 with ECC	4GB DDR4 with ECC
RAID Level Supported	RAID 0,1,5,6,10, 50, 60	RAID 0,1,5,6,10, 50, 60	RAID 0,1,5,6,10	RAID 0,1,5,6,10, 50, 60
Auto Volume Expansion	X-RAID2	X-RAID2	XRAID2	XRAID2
Unique Features	Most versatile and secure remote access: · ReadyCLOUD Collaboration, Sync & Backup · ReadyCLOUD automated VPN 5 Levels of data protection: · XRAID · Hourly protection of data with performance-neutral snapshots · Real-Time Antivirus · Protection against silent data corruption ("Bitrot") · Integrated, web-managed replication for disaster recovery or ReadyNAS Vault / backup to the cloud ReadyDR – Disaster Recovery Solution · Incremental backup to another ReadyNAS · Easy recovery of full data set	Most versatile and secure remote access: · ReadyCLOUD Collaboration, Sync & Backup · ReadyCLOUD automated VPN 5 Levels of data protection: · XRAID · Hourly protection of data with performance-neutral snapshots · Real-Time Antivirus · Protection against silent data corruption ("Bitrot") · Integrated, web-managed replication for disaster recovery or ReadyNAS Vault / backup to the cloud ReadyDR – Disaster Recovery Solution · Incremental backup to another ReadyNAS · Easy recovery of full data set	Most versatile and secure remote access: · ReadyCLOUD Collaboration, Sync & Backup · ReadyCLOUD automated VPN 5-levels of data protection · XRAID and/or Flex-RAID (model dependent) · Protection of data with performance-neutral snapshots · Protection against silent data corruption ("Bitrot") · Real-time anti-virus · Integrated, web-managed replication to the cloud ReadyDR – Disaster Recovery Solution · Incremental backup to another ReadyNAS · Easy recovery of full data set	Most versatile and secure remote access: · ReadyCLOUD Collaboration, Sync & Backup · ReadyCLOUD automated VPN · ReadyNAS Backup 5-levels of data protection · XRAID and/or Flex-RAID (model dependent) · Protection of data with performance-neutral snapshots · Protection against silent data corruption ("Bitrot") · Real-time anti-virus · Integrated, web-managed replication to the cloud ReadyDR – Disaster Recovery Solution · Incremental backup to another ReadyNAS · Easy recovery of full data set
Onboard Backup Options	ReadyCLOUD user directory backup Remote & Local Time Machine	ReadyCLOUD user directory backup Remote & Local Time Machine	ReadyCLOUD user directory backup Remote & Local Time Machine	ReadyCLOUD user directory backup Remote & Local Time Machine
VMware Ready	Yes	Yes	Yes	Yes
ReadyDR for Disaster Recovery	Yes	Yes	Yes	Yes
Warranty (System)	5 year standard warranty	5 year standard warranty	5 year standard warranty	5 year standard warranty
Optimal Number of User Support	1~40	1~40	20-80	20-80
System SKUs	RN42600 RN426D2 RN426D4 RN426D6 RN426E4 RN426E6	RN42800 RN428E4 RN428E6	RN524X00 RN524XD2 RN524XD4 RN524XD6 RN524XE3 RN524XE4 RN524XE6	RN526X00 RN526XD3 RN526XD4 RN526XD6 RN526XE3 RN526XE4 RN526XE6
ProSUPPORT Maintenance PKGS OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year	PMB0313 PMB0333 PMB0353	PMB0313 PMB0333 PMB0353	PMB0313 PMB0333 PMB0353	PMB0313 PMB0333 PMB0353

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

ReadyNAS

Desktop

	ReadyNAS 528X	ReadyNAS 626X	ReadyNAS 628X
Product Description	8-Bay Desktop	6-Bay Desktop	8-Bay Desktop
Internal Capacity	80TB	60TB	80TB
File Protocols	NFS, CIF/SMB, AFP, HTTP(S), FTP(S), WebDAV	NFS, CIF/SMB, AFP, HTTP(S), FTP(S), WebDAV	NFS, CIF/SMB, AFP, HTTP(S), FTP(S), WebDAV
Block Protocols	iSCSI	iSCSI	iSCSI
File System	BTRFS	BTRFS	BTRFS
Supported Drive Types	Desktop/Enterprise SATA	Desktop/Enterprise SATA	Desktop/Enterprise SATA
Gigabit Ethernet Ports	0	2	2
10G Ethernet Port	2	2	2
Supports EDA500 Expansion Chassis	Yes. Not Recommended for High Performance Applications	Yes. Not Recommended for High Performance Applications	Yes. Not Recommended for High Performance Applications
Reliability Features	Hot Swappable Disks Network Failover ECC Memory	Hot Swappable Disks Network Failover ECC Memory	Hot Swappable Disks Network Failover ECC Memory
CPU	Intel Server Processor D-1508 Dual Core 2.2GHz	Intel Xeon Server Processor D-1521 Quad Core 2.4GHz	Intel Xeon Server Processor D-1521 Quad Core 2.4GHz
Memory	4GB DDR4 with ECC	8GByte DDR4 with ECC	8GByte DDR4 with ECC
RAID Level Supported	RAID 0,1,5,6,10, 50, 60	RAID 0,1,5,6,10, 50, 60	RAID 0,1,5,6,10, 50, 60
Auto Volume Expansion	XRAID2	XRAID2	XRAID2
Unique Features	Most versatile and secure remote access: - ReadyCLOUD Collaboration, Sync & Backup - ReadyCLOUD automated VPN - ReadyNAS Backup 5-levels of data protection · XRAID and/or Flex-RAID (model dependent) · Protection of data with performance-neutral snapshots · Protection against silent data corruption ("Bitrot") · Real-time anti-virus · Integrated, web-managed replication to the cloud ReadyDR – Disaster Recovery Solution · Incremental backup to another ReadyNAS · Easy recovery of full data set	Most versatile and secure remote access: - ReadyCLOUD Collaboration, Sync & Backup - ReadyCLOUD automated VPN - ReadyNAS Backup 5-levels of data protection · XRAID and/or Flex-RAID (model dependent) · Protection of data with performance-neutral snapshots · Protection against silent data corruption ("Bitrot") · Real-time anti-virus · Integrated, web-managed replication to the cloud ReadyDR – Disaster Recovery Solution · Incremental backup to another ReadyNAS · Easy recovery of full data set	Most versatile and secure remote access: - ReadyCLOUD Collaboration, Sync & Backup - ReadyCLOUD automated VPN - ReadyNAS Backup 5-levels of data protection · XRAID and/or Flex-RAID (model dependent) · Protection of data with performance-neutral snapshots · Protection against silent data corruption ("Bitrot") · Real-time anti-virus · Integrated, web-managed replication to the cloud ReadyDR – Disaster Recovery Solution · Incremental backup to another ReadyNAS · Easy recovery of full data set
Onboard Backup Options	ReadyCLOUD user directory backup Remote & Local Time Machine	ReadyCLOUD user directory backup Remote & Local Time Machine	ReadyCLOUD user directory backup Remote & Local Time Machine
VMware Ready	Yes	Yes	Yes
ReadyDR for Disaster Recovery	Yes	Yes	Yes
Warranty (System)	5 year standard warranty	5 year standard warranty	5 year standard warranty
Optimal Number of User Support	20-80	40-120	40-120
System SKUs	RN528X00 RN528XE3 RN528XE4 RN528XE6	RN626X00 RN626XE3 RN626XE4 RN626XE6	RN628X00 RN628XE3 RN628XE4 RN628XE6
ProSUPPORT Maintenance PKGS OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year	PMB0313 PMB0333 PMB0353	PMB0313 PMB0333 PMB0353	PMB0313 PMB0333 PMB0353

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

ReadyNAS

Rackmount

	ReadyNAS 2304	ReadyNAS 2312	ReadyNAS 3138	ReadyNAS 3312
Product Description	1U Rackmount, 4-Bays	1U Rackmount, 12-Bays	1U Rackmount, 4-Bays	2U Rackmount, 12-Bays
Total Solution Capacity Internal/with Expansion	40TB / N.A.	120TB/N.A.	40TB/N.A.	120TB/600TB
File Protocols	NFS, CIF/SMB, AFP, HTTP(S), FTP(S), WebDAV	NFS, CIF/SMB, AFP, HTTP(S), FTP(S), WebDAV	NFS, CIF/SMB, AFP, HTTP(S), FTP(S), WebDAV	NFS, CIF/SMB, AFP, HTTP(S), FTP(S), WebDAV
Block Protocols	iSCSI	iSCSI	iSCSI	iSCSI
File System	BTRFS	BTRFS	BTRFS	BTRFS
Supported HDD Types	Desktop/Enterprise SATA	Desktop/Enterprise SATA	Desktop/Enterprise SATA	Enterprise SATA
Gigabit Ethernet Ports	2	4	4	4
10G Ethernet Port	0	0	0	0
Reliability Features	Hot Swappable Disks Network Failover	Hot Swappable Disks Network Failover	Hot Swappable Disks Network Failover	Hot Swappable Disks Network Failover
CPU	Intel Celeron dual core 2.0GHz processor	Intel Atom Quad Core C3538 2.1GHz with QuickAssist	Intel AtomC2558 Dual Core 2.4GHz Quad Core Processor	Intel Xeon E3-1225v5 3.3GHz Quad Core
Memory	2GB DDR3	2GB DDR4	4GB DDR3 ECC	8GB DDR4 ECC
Expandable Memory	0	No	0	64GByte DDR4
RAID Level Supported	RAID 0,1,5,6,10 and XRAID2	RAID 0,1,5,6,10,50,60	RAID 0,1,5,6,10	RAID 0,1,5,6,10,50,60*
Auto Volume Expansion	XRAID3	XRAID2	XRAID2	XRAID2
Unique Features	5 Levels of data protection: · XRAID · Hourly protection of data with performance-neutral snapshots · Protection against silent data corruption("Bitrot") · Real-time anti-virus · Integrated, web-managed replication for disaster recovery and backup to the cloud ReadyDR for disaster recovery Most versatile and secure remote access: · ReadyCLOUD Collaboration, Sync & Backup · ReadyCLOUD automated VPN Performance Storage for backup	5 Levels of data protection: · X RAID · Hourly protection of data with performance-neutral snapshots · Protection against silent data corruption("Bitrot") · Real-time anti-virus · Integrated, web-managed replication for disaster recovery and backup to the cloud ReadyDR for disaster recovery Most versatile and secure remote access: · ReadyCLOUD Collaboration, Sync & Backup · ReadyCLOUD automated VPN Performance Storage for backup	5-levels of data protection · XRAID and/or Flex-RAID (model dependent) · Protection of data with performance-neutral snapshots · Protection against silent data corruption ("Bitrot") · Real-time anti-virus · Integrated, web-managed replication to the cloud ReadyDR for disaster recovery Most versatile and secure remote access: · ReadyCLOUD Collaboration, Sync & Backup · ReadyCLOUD automated VPN High performance Storage for backup Collaboration for work group	5-levels of data protection · XRAID and/or Flex-RAID (model dependent) · Protection of data with performance-neutral snapshots · Protection against silent data corruption ("Bitrot") · Real-time anti-virus · Integrated, web-managed replication to the cloud ReadyDR for disaster recovery Most versatile and secure remote access: · ReadyCLOUD Collaboration, Sync & Backup · ReadyCLOUD automated VPN Superior performance Large internal capacity Optional Highspeed SAS for expansion chassis Storage for backup Collaboration for work group
Onboard Backup Options	ReadyCLOUD user directory backup Remote & Local Time Machine	ReadyCLOUD user directory backup Remote & Local Time Machine	ReadyCLOUD user directory backup Remote & Local Time Machine	ReadyCLOUD user directory backup Remote & Local Time Machine
VMware Ready	Yes	Yes	Yes	Yes
Warranty (System)	5 year warranty with NBD HW replacement	5 year warranty with NBD HW replacement	5 year warranty with NBD HW replacement	5 year warranty with NBD HW replacement
Optimal Number of User Support	1-30	40-80 Users	1-40	20-120
System SKUs	RR230400 RR2304E4 RR2304E6	RR2312 RR2312G4 RR2312G6 RR2312H8 RR231200	RN3138 RN31842D RN31842E RN31843D RN31843E RN31844E RN31342E	RR331200 RR3312G2 RR3312G3 RR3312G4 RR3312G6
Support for: EDA 4000 – 24-Bay/EDA 2000 – 12-Bay Expansion	No	No	No	Yes
ProSUPPORT Maintenance PKGS OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year	PMB0312 PMB0332 PMB0352	PMB0313 PMB0333 PMB0352	PMB0313 PMB0333 PMB0352	PMB0314 PMB0334 PMB0354

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

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ReadyNAS

Rackmount

	ReadyNAS 4312S	ReadyNAS 4312X	ReadyNAS 4360S	ReadyNAS 4360X
Product Description	2U Rackmount, 12-Bays	2U Rackmount, 12-Bays	4U Rackmount, 60-Bays	4U Rackmount, 60-Bays
Total Solution Capacity Internal / with Expansion	120TB/600TB	120TB/600TB	600TB/1.320 PB	600TB/1.320 PB
File Protocols	NFS, CIF/SMB, AFP, HTTP(S), FTP(S), WebDAV	NFS, CIF/SMB, AFP, HTTP(S), FTP(S), WebDAV	NFS, CIF/SMB, AFP, HTTP(S), FTP(S), WebDAV	NFS, CIF/SMB, AFP, HTTP(S), FTP(S), WebDAV
Block Protocols	iSCSI	iSCSI	iSCSI	iSCSI
File System	BTRFS	BTRFS	BTRFS	BTRFS
Supported HDD Types	Enterprise SATA	Enterprise SATA	SAS or SATAIII Enterprise	SAS or SATAIII Enterprise
Gigabit Ethernet Ports	4	4	4	4
10G Ethernet Port	2 (SFP+)	2 (10GBaseT)	2 (SFP+)	2 (10GBaseT)
Reliability Features	Hot Swappable Disks Network Failover	Hot Swappable Disks Network Failover	Hot Swappable Disks Network Failover	Hot Swappable Disks Network Failover
CPU	Intel Xeon E3-1245V5 3.5GHz Quad Core Hyper Thread	Intel Xeon E3-1245V5 3.5GHz Quad Core Hyper Thread	Intel Xeon E3-1225v5 3.3GHz Quad Core	Intel Xeon E3-1225V5 3.3GHz Quad Core
Memory	16GB DDR4 ECC	16GB DDR4 ECC	16GB DDR4 ECC	16GB DDR4 ECC
Expandable Memory	64GByte DDR4	64GByte DDR4	64GByte DDR4	64GByte DDR4
RAID Level Supported	RAID 0,1,5,6,10,50,60*	RAID 0,1,5,6,10,50,60*	RAID 0,1,5,6,10,50,60*	RAID 0,1,5,6,10,50,60*
Auto Volume Expansion	N/A	XRAID2	n/a	n/a
Unique Features	5-levels of data protection · XRAID and/or Flex-RAID (model dependent) · Protection of data with performance neutral snapshots · Protection against silent data corruption ("Bitrot") · Real-time anti-virus · Integrated, web-managed replication to the cloud ReadyDR - Disaster Recovery Solution · Incremental backup to another ReadyNAS · Easy recovery of full data set Most versatile and secure remote access: · ReadyCLOUD Collaboration, Sync & Backup · ReadyCLOUD automated VPN Ultimate performance with 10G fiber module built-in Large internal capacity Highspeed SAS for expansion chassis Storage for backup Collaboration for large work group Optional highspeed SAS for Expansion Chassis	5-levels of data protection · XRAID and/or Flex-RAID (model dependent) · Protection of data with performance-neutral snapshots · Protection against silent data corruption ("Bitrot") · Real-time anti-virus · Integrated, web-managed replication to the cloud ReadyDR - Disaster Recovery Solution · Incremental backup to another ReadyNAS · Easy recovery of full data set Most versatile and secure remote access: · ReadyCLOUD Collaboration, Sync & Backup · ReadyCLOUD automated VPN Ultimate performance with 10G Ethernet module built-in Large internal capacity Highspeed SAS for expansion chassis Storage for backup Collaboration for large work group Optional highspeed SAS for Expansion Chassis	5-levels of data protection · XRAID and/or Flex-RAID (model dependent) · Protection of data with performance-neutral snapshots · Protection against silent data corruption ("Bitrot") · Real-time anti-virus · Integrated, web-managed replication to the cloud ReadyDR - Disaster Recovery Solution · Incremental backup to another ReadyNAS · Easy recovery of full data set Most versatile and secure remote access: · ReadyCLOUD Collaboration, Sync & Backup · ReadyCLOUD automated VPN Ultimate performance with 10G Ethernet module built-in Large internal capacity Highspeed SAS for expansion chassis Storage for backup Collaboration for large work group Optional highspeed SAS for Expansion Chassis	5-levels of data protection · XRAID and/or Flex-RAID (model dependent) · Protection of data with performance-neutral snapshots · Protection against silent data corruption ("Bitrot") · Real-time anti-virus · Integrated, web-managed replication to the cloud ReadyDR - Disaster Recovery Solution · Incremental backup to another ReadyNAS · Easy recovery of full data set Most versatile and secure remote access: · ReadyCLOUD Collaboration, Sync & Backup · ReadyCLOUD automated VPN Ultimate performance with 10GbE Ethernet module built-in Large internal capacity Highspeed SAS for expansion chassis Storage for backup Collaboration for large work group Optional highspeed SAS for Expansion Chassis
Onboard Backup Options	ReadyCLOUD user directory backup Remote & Local Time Machine	ReadyCLOUD user directory backup Remote & Local Time Machine	ReadyCLOUD user directory backup Remote & Local Time Machine	ReadyCLOUD user directory backup Remote & Local Time Machine
VMware Ready	Yes	Yes	Yes	Yes
Warranty (System)	5 year warranty with NBD HW replacement	5 year warranty with NBD HW replacement	5 year warranty with NBD HW replacement	5 year warranty with NBD HW replacement
Optimal Number of User Support	80-160	80-160	80-160	80-160
System SKUs	RR4312S0 RR4312S3 RR4312S4 RR4312S6	RR4312X0 RR4312X3 RR4312X4 RR4312X6	RR4360S00	RR4360X00
Support for: EDA 4000 – 24-Bay/EDA 2000 – 12-Bay Expansion	Yes	Yes	Yes Expansion HBA included.	Yes Expansion HBA included.
ProSUPPORT Maintenance PKGS OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year	PMB0314 PMB0334 PMB0354	PMB0314 PMB0334 PMB0354	PMB0314 PMB0334 PMB0354	PMB0314 PMB0334 PMB0354

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

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LTE MOBILE DEVICES
FOR INSTANT CONNECTIVITY ANYWHERE

GIGABIT CLASS IN MOBILE BROADBAND

Media streaming
WiFi offloading
Connect up to 20 devices

LTE MOBILE

RELIABLE INTERNET ON-THE-GO

Secure internet connection
Long-lasting battery
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

Mobile Routers

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

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

Hotspots

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

- 2930mAh battery that lasts up to 11 hours of continuous use

- Block unwanted devices or turn on a secure Guest Wi-Fi to safely share Internet access for temporary use among your teams, clients or guests

- Get instant Wi-Fi connection where you want, when you want

LTE Modems

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

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

SUPPORT

ProSUPPORT for Business

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

• 24/7 live technical support and consultation

• Direct, scheduled access to product experts to help in configuration

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	1 year
		PMB0S31-10000S	3 year
		PMB0S51-10000S	5 year
	Category S2	PMB0S12-10000S	1 year
		PMB0S32-10000S	3 year
		PMB0S52-20000S	5 year
	Category 1	PMB0311-10000S	1 year
		PMB0331-10000S	3 year
		PMB0351-10000S	5 year
	Category 2	PMB0312-10000S	1 year
		PMB0332-10000S	3 year
		PMB0352-10000S	5 year
	Category 3	PMB0313-10000S	1 year
		PMB0333-10000S	3 year
		PMB0353-10000S	5 year
	Category 4	PMB0314-10000S	1 year
		PMB0334-10000S	3 year
		PMB0354-10000S	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	FS105	Limited Lifetime[1]	Y	Y	Y	Category S1
	FS108	Limited Lifetime[1]	Y	Y	Y	Category S1
	FS108P	Limited Lifetime[1]	Y	Y	Y	Category S1
	FS116P	Limited Lifetime[1]	Y	Y	Y	Category S2
	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
	GS908	3 Yr	Y	N	N	Category S1
	JGS516	Limited Lifetime[1]	Y	Y	Y	Category S2
	JGS524	Limited Lifetime[1]	Y	Y	Y	Category S2
	GS110MX	Limited Lifetime[1]	Y	Y	Y	Category S2
	XS505M	Limited Lifetime[1]	Y	Y	Y	Category 3
	XS508M	Limited Lifetime[1]	Y	Y	Y	Category 3
Smart Managed Plus SOHO Switches	GS305E	3 yr	Y	Y	Y	Category S1
	GS308E	3 yr	Y	Y	Y	Category S1
Smart Managed 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
	GS908E	3 Yr	Y	N	N	Category S1
	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

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]
Smart Managed Plus Switches	XS708E	Limited Lifetime[1]	Y	Y	Y	Category S1
	XS716E	Limited Lifetime[1]	Y	Y	Y	Category S2
	XS512EM	Limited Lifetime[1]	Y	Y	Y	Category S2
	XS724EM	Limited Lifetime[1]	Y	Y	Y	Category S2
Smart Managed Plus Click & Easy-Mount Switches	GSS108E	Limited Lifetime[1]	Y	Y	Y	Category S1
	GSS108EPP	Limited Lifetime[1]	Y	Y	Y	Category S2
	GSS116E	Limited Lifetime[1]	Y	Y	Y	Category S2
	GS408EPP	Limited Lifetime[1]	Y	Y	Y	Category S2
Nighthawk® Pro Gaming & Streaming Advanced Ethernet Switches	GS808E	3 Yr	Y	N	N	Category S1
	GS810EMX	3 Yr	Y	N	N	Category 1
Smart Managed Pro 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 Managed Pro Switches	FS728TLP	Limited Lifetime[1]	Y	Y	Y	Category 1
	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
	GS418TPP	Limited Lifetime[1]	Y	Y	Y	Category 1
	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 Managed Pro Switches with optional Insight Remote/Cloud Management	GS108T	Limited Lifetime[1]	Y	Y	Y	Category S1
	GS110TP	Limited Lifetime[1]	Y	Y	Y	Category S2
	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
	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
Stackable Smart Managed Pro Switch Bundles	GS752TSB	Limited Lifetime[1]	Y	Y	Y	Category 2
	GS752TPSB	Limited Lifetime[1]	Y	Y	Y	Category 2
Stackable Smart Managed Pro 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
	GS752TXS	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
	GC110	5 Yr	Y	N	Y	Category S2
	GC110P	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
	GSM4210P	Limited Lifetime[1]	Y	Y	Y	Category 2

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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	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
	WAC505	5 Yr	Y	N	Y	Category S1
	WAC505PA	5 Yr	Y	N	Y	Category S1
	WAC505B03	5 Yr	Y	N	Y	Category S1
	WAC505B05	5 Yr	Y	N	Y	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
	WAC540	5 yr	Y	N	Y	Category 1
	WAC540B03	5 Yr	Y	N	Y	Category 1
	WAC540PA	5 Yr	Y	N	Y	Category 1

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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	WAC564	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	Limited Lifetime[1]	Y	Y	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 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
ReadyNAS Desktop RN210 Series	RN21200	3 Yr	Y	N	Y	Category 1
	RN212D22	3 Yr	Y	N	Y	Category 1
	RN21400	3 Yr	Y	N	Y	Category 2
	RN214D42	3 Yr	Y	N	Y	Category 2
ReadyNAS Desktop RN420 Series	RN42200	5 Yr	Y	N	Y	Category 2
	RN422D2	5 Yr	Y	N	Y	Category 2
	RN422D4	5 Yr	Y	N	Y	Category 2
	RN422D6	5 Yr	Y	N	Y	Category 2

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Availability by Product (continued)

Product Category	Product Family	Hardware Warranty [1,2] (yrs)	90-Days FREE 24x7 Tech Support [3]	Limited Lifetime 24/7 Online Chat Tech Support [3,4,5]	NBD Replacement During HW Warranty Period	Extended ProSUPPORT Category [6]
ReadyNAS Desktop RN420 Series	RN422E2	5 Yr	Y	N	Y	Category 2
	RN422E4	5 Yr	Y	N	Y	Category 2
	RN422E6	5 Yr	Y	N	Y	Category 2
	RN42400	5 Yr	Y	N	Y	Category 2
	RN424D2	5 Yr	Y	N	Y	Category 2
	RN424D4	5 Yr	Y	N	Y	Category 2
	RN424D6	5 Yr	Y	N	Y	Category 2
	RN424E2	5 Yr	Y	N	Y	Category 2
	RN424E4	5 Yr	Y	N	Y	Category 2
	RN424E6	5 Yr	Y	N	Y	Category 2
	RN426E1	5 Yr	Y	N	Y	Category 3
	RN426E2	5 Yr	Y	N	Y	Category 3
	RN42600	5 Yr	Y	N	Y	Category 3
	RN426D2	5 Yr	Y	N	Y	Category 3
	RN426D4	5 Yr	Y	N	Y	Category 3
	RN426E4	5 Yr	Y	N	Y	Category 3
	RN426E6	5 Yr	Y	N	Y	Category 3
	RN42800	5 Yr	Y	N	Y	Category 3
	RN428E4	5 Yr	Y	N	Y	Category 3
	RN428E6	5 Yr	Y	N	Y	Category 3
ReadyNAS Desktop RN516 Series	RN51600	5 Yr	Y	N	Y	Category 3
ReadyNAS Desktop RN520X Series	RN524XD4	5 Yr	Y	N	Y	Category 3
	RN526X00	5 Yr	Y	N	Y	Category 3
	RN526XD4	5 Yr	Y	N	Y	Category 3
	RN526XD6	5 Yr	Y	N	Y	Category 3
	RN526XE4	5 Yr	Y	N	Y	Category 3
	RN526XE6	5 Yr	Y	N	Y	Category 3
	RN528X00	5 Yr	Y	N	Y	Category 3
	RN528XE4	5 Yr	Y	N	Y	Category 3
	RN528XE6	5 Yr	Y	N	Y	Category 3
ReadyNAS Desktop RN620X Series	RN626X00	5 Yr	Y	N	Y	Category 3
	RN626XE4	5 Yr	Y	N	Y	Category 3
	RN626XE6	5 Yr	Y	N	Y	Category 3

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Availability by Product (continued)

Product Category	Product Family	Hardware Warranty [1,2] (yrs)	90-Days FREE 24x7 Tech Support [3]	Limited Lifetime 24/7 Online Chat Tech Support [3,4,5]	NBD Replacement During HW Warranty Period	Extended ProSUPPORT Category [6]
ReadyNAS Desktop RN620X Series	RN628X00	5 Yr	Y	N	Y	Category 3
	RN628XE4	5 Yr	Y	N	Y	Category 3
	RN628XE6	5 Yr	Y	N	Y	Category 3
ReadyNAS Rackmount RR2300 Series	RR230400	5 Yr	Y	N	Y	Category 2
	RR2304G2	5 Yr	Y	N	Y	Category 2
	RR2304G4	5 Yr	Y	N	Y	Category 2
	RR2304G6	5 Yr	Y	N	Y	Category 2
	RR231200	5 Yr	Y	N	Y	Category 3
	RR331200	5 Yr	Y	N	Y	Category 4
	RR2312G4	5 Yr	Y	N	Y	Category 3
	RR3312G4	5 Yr	Y	N	Y	Category 4
	RR2312G6	5 Yr	Y	N	Y	Category 3
	RR3312G6	5 Yr	Y	N	Y	Category 4
	RR2312G8	5 Yr	Y	N	Y	Category 3
	RR2312H8	5 Yr	Y	N	Y	Category 3
ReadyNAS Rackmount RN3100 Series	RN3138	5 Yr	Y	N	Y	Category 3
	RN31842E	5 Yr	Y	N	Y	Category 3
	RN31844E	5 Yr	Y	N	Y	Category 3
ReadyNAS Rackmount RR3300 Series	RR3312G2	5 Yr	Y	N	Y	Category 4
	RR3312G4	5 Yr	Y	N	Y	Category 4
	RR3312G6	5 Yr	Y	N	Y	Category 4
	RR331200	5 Yr	Y	N	Y	Category 4
ReadyNAS Rackmount RR4300 Series	RR4312S0	5 Yr	Y	N	Y	Category 4
	RR4312S0	5 Yr	Y	N	Y	Category 4
	RR4312S4	5 Yr	Y	N	Y	Category 4
	RR4312S4	5 Yr	Y	N	Y	Category 4
	RR4312S6	5 Yr	Y	N	Y	Category 4
	RR4312S8	5 Yr	Y	N	Y	Category 4
	RR4312X0	5 Yr	Y	N	Y	Category 4
	RR4312X0	5 Yr	Y	N	Y	Category 4
	RR4312X4	5 Yr	Y	N	Y	Category 4
	RR4312X4	5 Yr	Y	N	Y	Category 4
	RR4312X6	5 Yr	Y	N	Y	Category 4
	RR4312X8	5 Yr	Y	N	Y	Category 4
ReadyNAS Rackmount RR4300 Series	RR4360X0	5 Yr	Y	N	Y	Category 4
	RR4360S0	5 Yr	Y	N	Y	Category 4

CONNECTED HOME PRODUCTS

CONNECT YOUR NETWORK WITH STYLE

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

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

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

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

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

Learn More: www.netgear.com/lifestyle-switch

NIGHTHAWK®
Advance the way you WiFi

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

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

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

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

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

Nighthawk solutions are the most customizable home networking solutions with advanced utility well beyond just Internet connectivity. The latest software integrations include:
NETGEAR Armor™ Powered by Bitdefender®
ReadySHARE USB
ReadySHARE Vault
Circle Smart Parental Controls
Voice Control using Amazon Alexa and the Google Assistant

Learn more: www.netgear.com/nighthawk

Orbi WiFi 6   Dual-band Orbi

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

Introducing Orbi™ WiFi 6- a Tri-Band WiFi System built with the latest and fastest WiFi 6 technology to provide the ultimate smart home experience with WiFi coverage and connection capacity beyond belief. Keep ALL WiFi connections strong, in every room, all the time with enough bandwidth for all your devices, multiple 4K/8K UHD streaming, music for your WiFi connected speakers, fast online game play, smart lights, WiFi security devices and more.

Dedicated quad-stream WiFi 6 backhaul allows for streaming 4K or 8K videos without delay. Ideal for Gigabit and multi-gigabit Internet speed service, supporting up to 2.5Gbps download speeds. Place the Satellite anywhere in your home to get Gigabit speeds where you want them. NETGEAR Armor™ delivers advanced cyber threat protection for your home and all your devices, making your Orbi WiFi home network smart and even more secure.

Learn more: www.netgear.com/orbi

AWARD-WINNING HOME NETWORKING PRODUCTS

NETGEAR M5 5G WiFi 6 Mobile Router

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

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

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

Cable Modems

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

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NIGHTHAWK® WiFi ROUTERS
Leading the New Era of WiFi

Nighthawk® Tri-band AX12 12-Stream WiFi 6 Router

Nighthawk Tri-band AX12 12-Stream WiFi 6 Router is the fastest router for Gigabit internet with combined speeds up to 10.8Gbps . Gigabit speeds over tri-band WiFi can support far more data simultaneously, making it possible to stream music in the kitchen, 4K video in the living room and multi-player online gaming without a hiccup.

Learn more: netgear.com/AXWiFi

Nighthawk® AX12 12-Stream WiFi 6 Router

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

Learn more: netgear.com/AXWiFi

NIGHTHAWK® WIFI 6 MESH SYSTEM
Power to Win.

Nighthawk® Mesh WiFi 6 System (MK62)

With Nighthawk Mesh WiFi System, you'll enjoy whole home WiFi designed to deliver smooth video streaming and fast online gaming to more devices at the same time. Experience the next generation of WiFi 6, perfect for medium to large homes up to 4,500 sq. ft. /3,000sq ft and internet speeds over 100Mbps.

Learn more: netgear.com/home/products/networking/nighthawk-mesh/mk62.aspx

Nighthawk® Mesh WiFi 6 System (MK63)

With Nighthawk Mesh WiFi 6 System, experience the future of WiFi with the next-generation 802.11ax (WiFi 6). Enjoy dual-band technology designed to handle 4X more connections with lag-free gaming and smooth streaming. Perfect for medium-sized smart homes.

Learn more: netgear.com/home/products/networking/nighthawk-mesh/mk63.aspx