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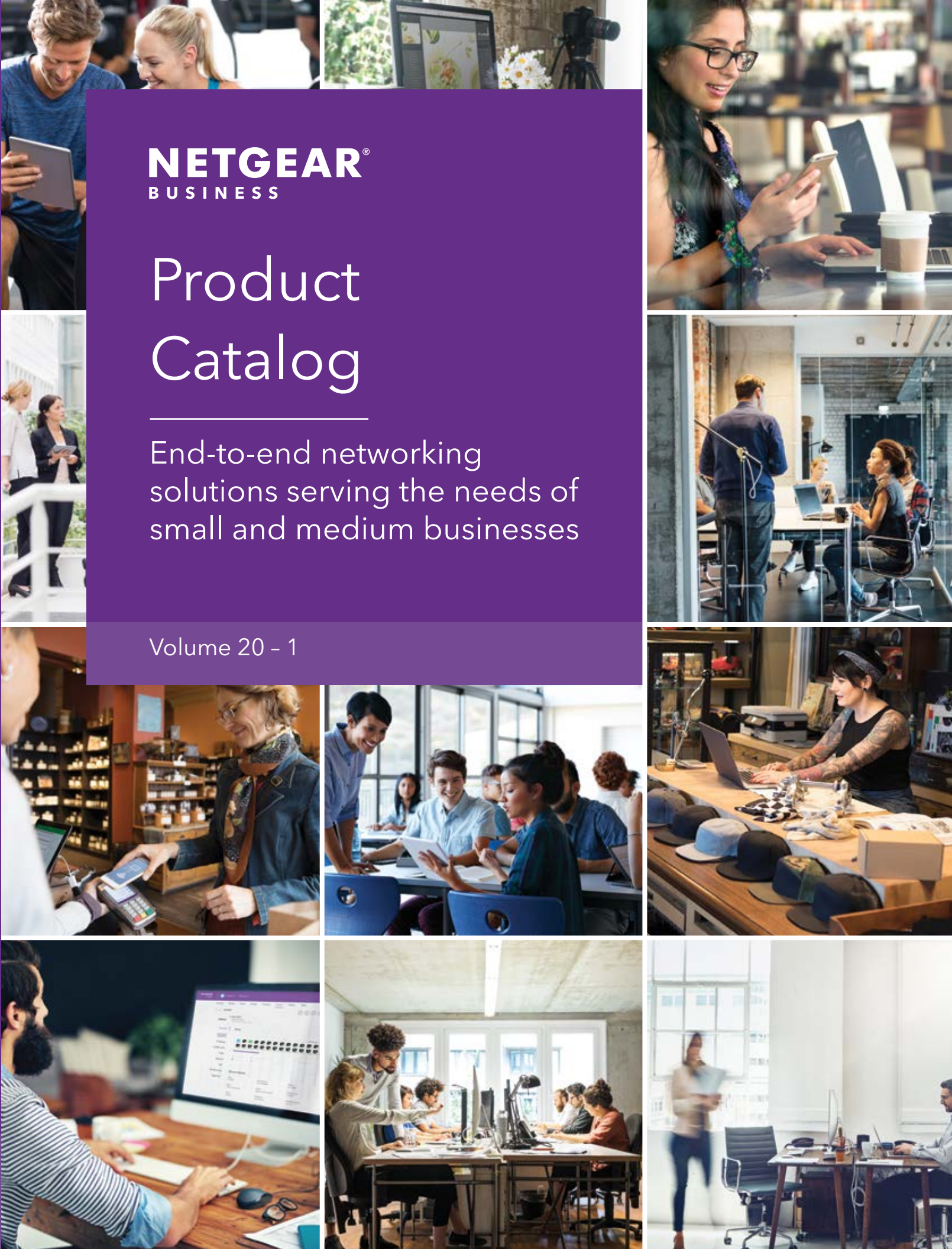
NETGEAR GLOBAL OFFICES

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BELGUIM	ITALY
CANADA	JAPAN
CHINA - BEIJING	KOREA
CHINA - DONGGUAN	NETHERLANDS
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CHINA - NANJING	SINGAPORE
CHINA - SHANGHAI	SWITZERLAND
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GERMANY	UK
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# Product Catalog

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

Volume 20 - 1





## 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



## DESIGNED WITH YOUR BUSINESS IN MIND

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

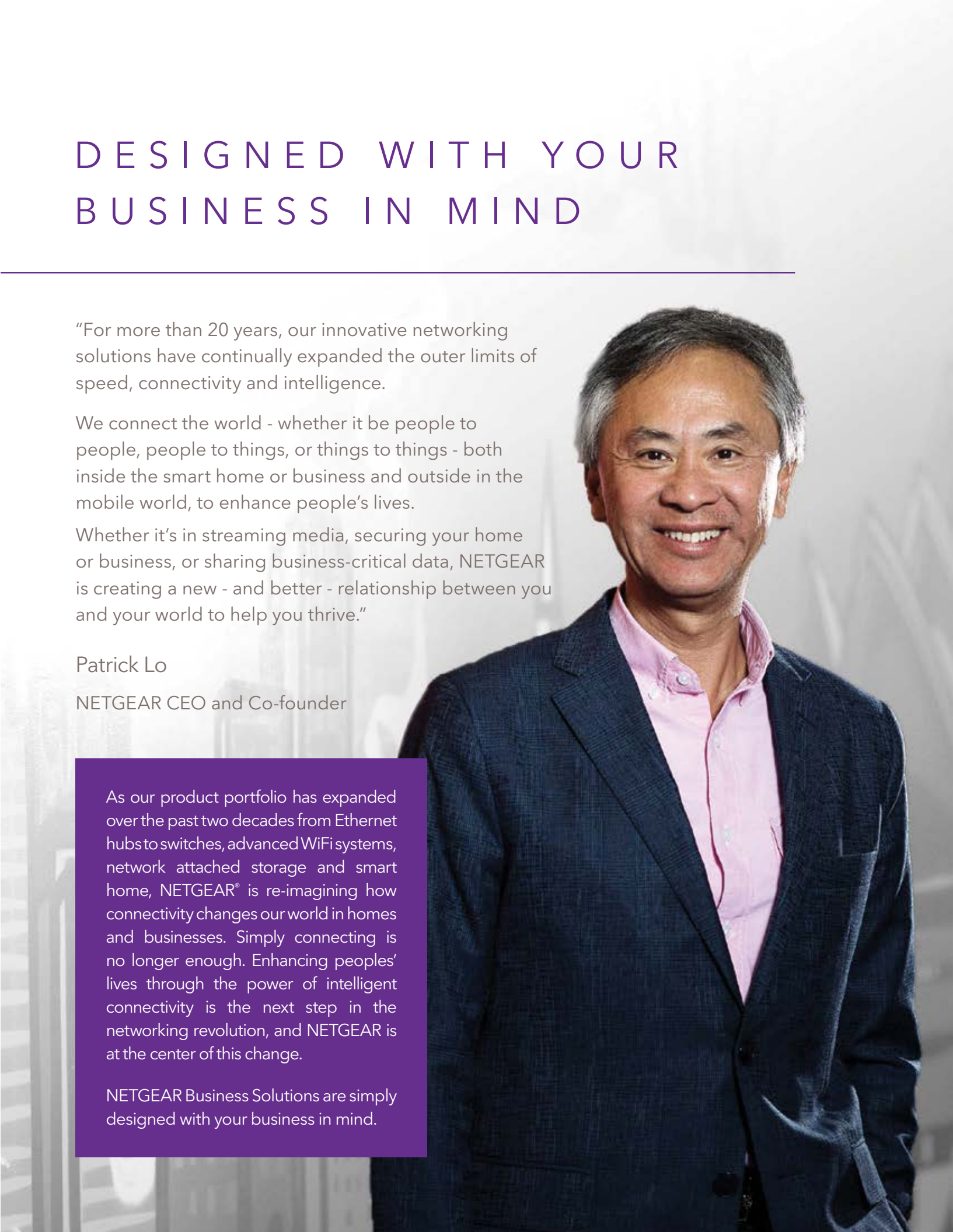
We connect the world - whether it be people to people, people to things, or things to things - both inside the smart home or business and outside in the mobile world, to enhance people's lives.

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

Patrick Lo  
NETGEAR CEO and Co-founder

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

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



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## NETGEAR MEANS BUSINESS

Powerful connectivity to maximize your productivity, profitability, and potential.

NETGEAR introduces you to a new era in business IT. An era that pairs more scalable network solutions with easy to use 24/7 management. An era that utilizes over 20 years of industry-leading innovation to provide a perfected, modern IT infrastructure that meets the demands of today's explosion in mobile and cloud computing while providing enterprise features that are truly affordable.

When it comes to business, you can confidently rely on the most trusted name in networking to reduce costs, maximize productivity, bring products and services to market faster, and satisfy your customers for repeat engagement.

### An Unmatched Offering

NETGEAR Business offers the most comprehensive line of cutting-edge networking solutions in the industry. More solutions means more convenience, customization, and a more connected network. That's why over 50M businesses have trusted NETGEAR Business for over 20 years to help fuel their companies success.

### Cutting-Edge Without Complexity

We create products that further advance and simplify the way you work. Helping you run your business better, faster, and more efficiently than ever before.

### A Proven Leader

For over 20 years, NETGEAR has successfully enabled more than 50 million businesses worldwide. We are proud to help our customers continue to connect and grow by offering the most comprehensive, quality, and cost-effective suite of Network Solutions.

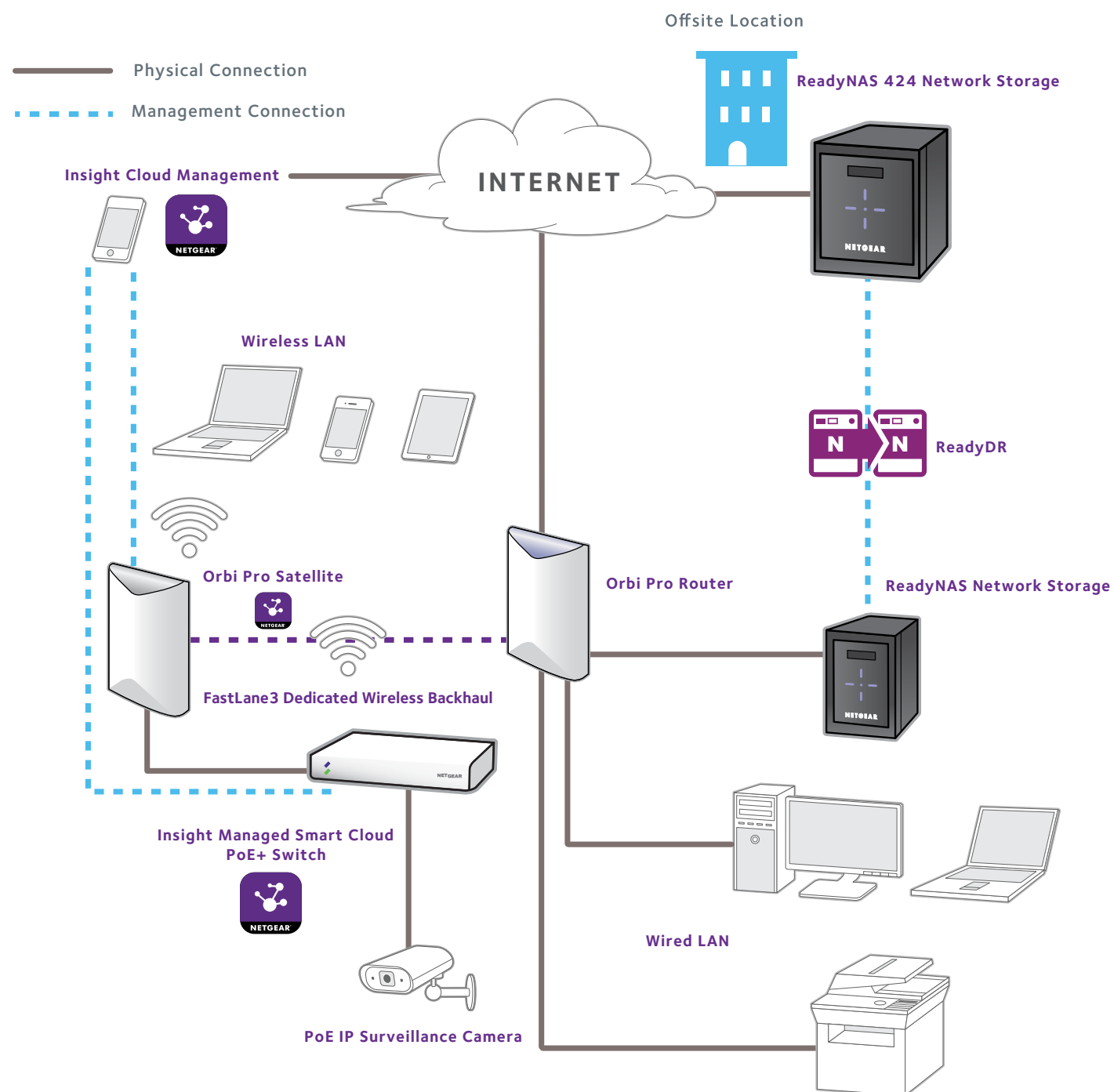
### Your Success is Our Success

NETGEAR Business has your back when you need it most. Our community and support systems are ever-growing and accessible anytime. Get tips, support, and ideas for improving and expanding your network whenever you want or need to.



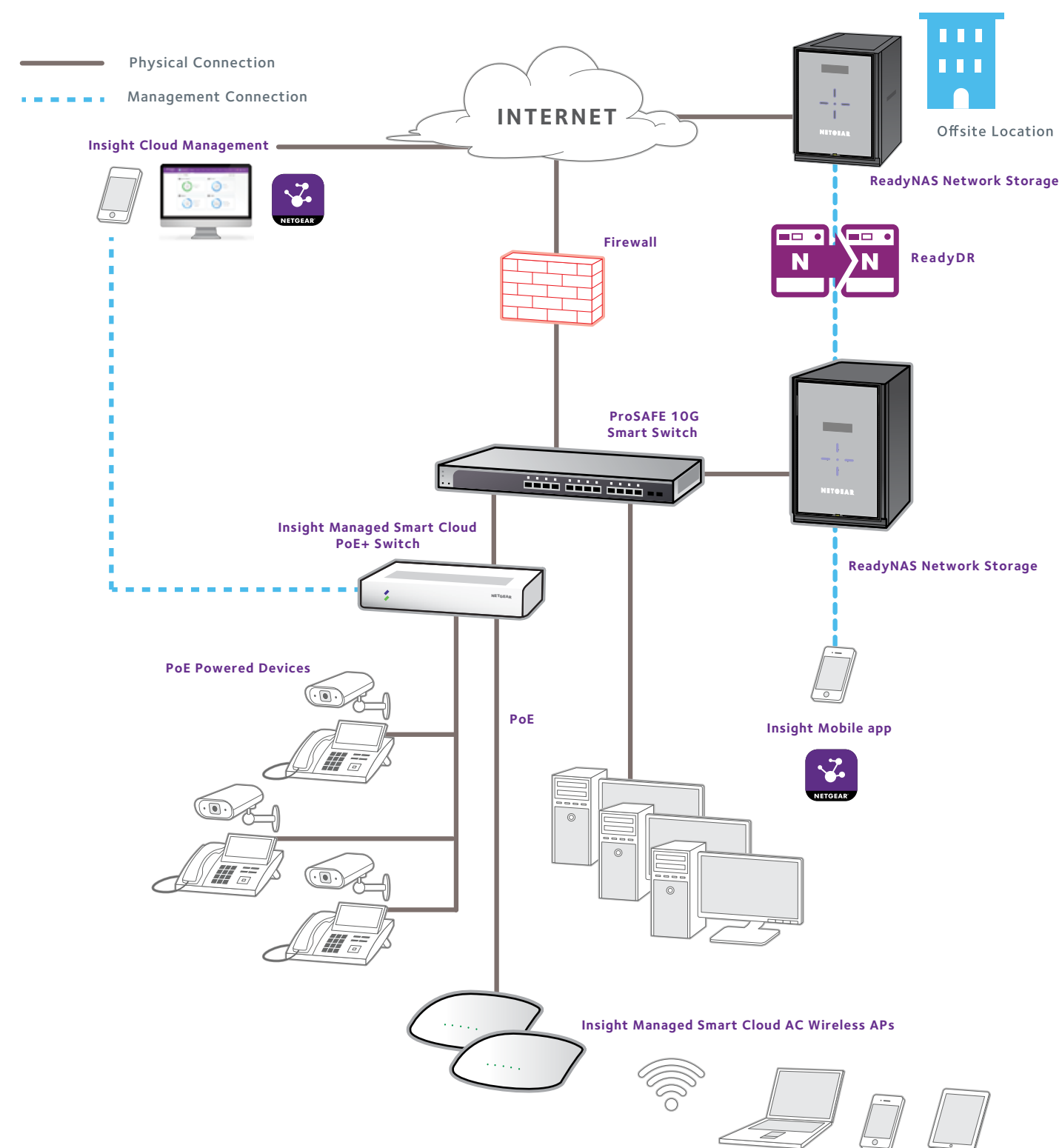
## NETWORK SOLUTION FOR SMALL OFFICE AND HOME OFFICE (SOHO) 1-5 USERS

### Connection Setup



## WIRED SOLUTION INSIGHT, 5-150 USERS

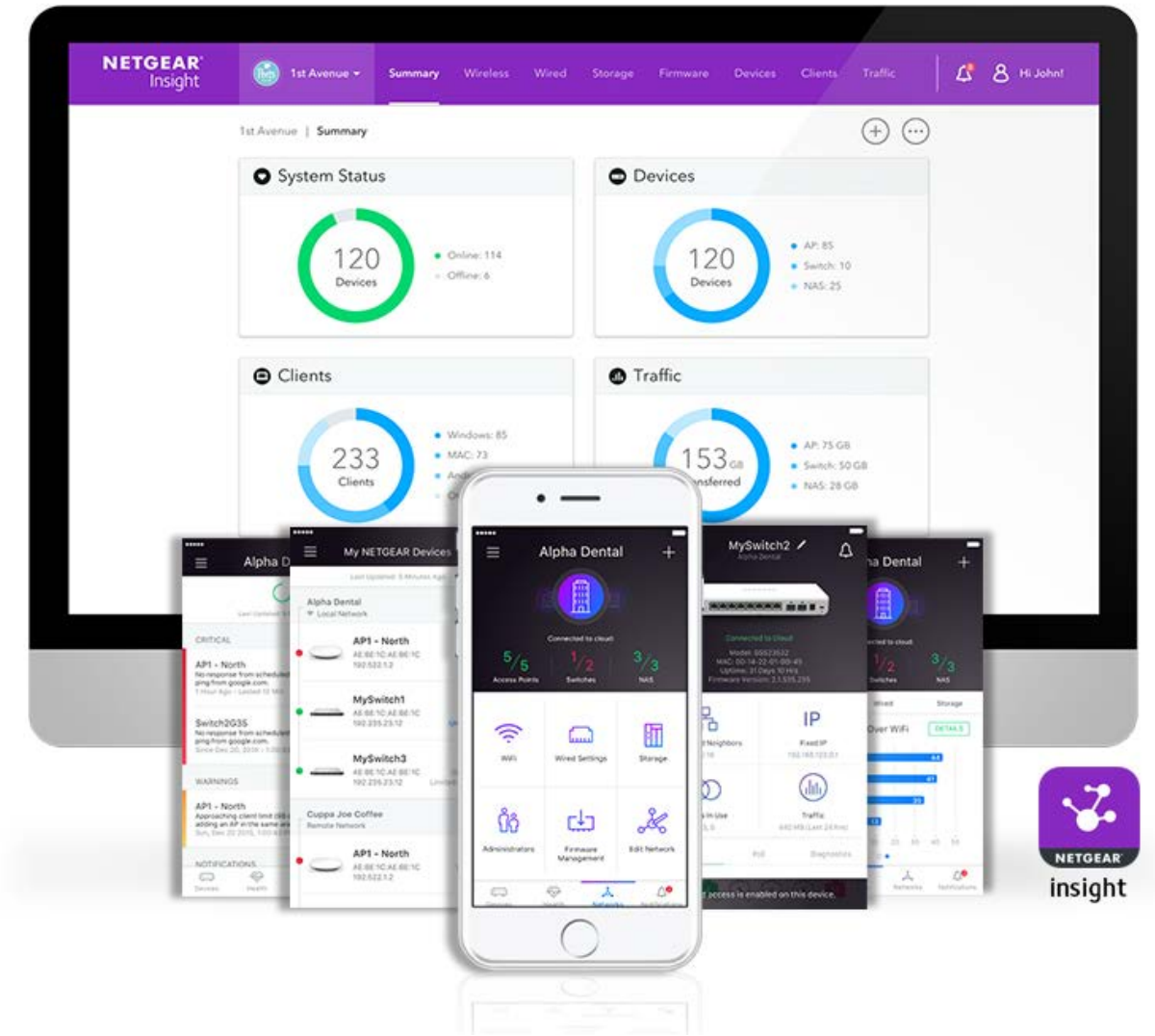
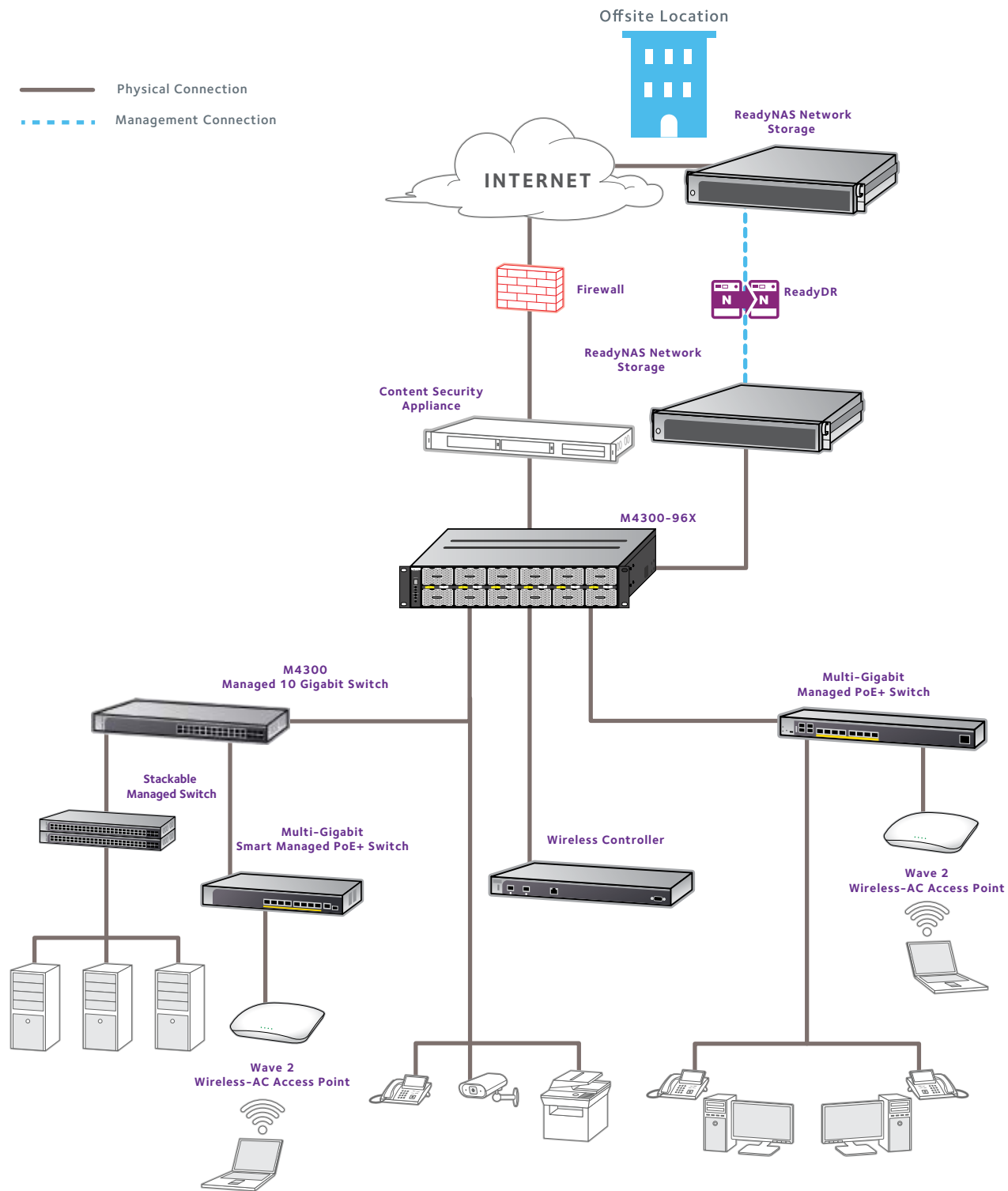
### Connection Setup





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

## Connection Setup



# 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.

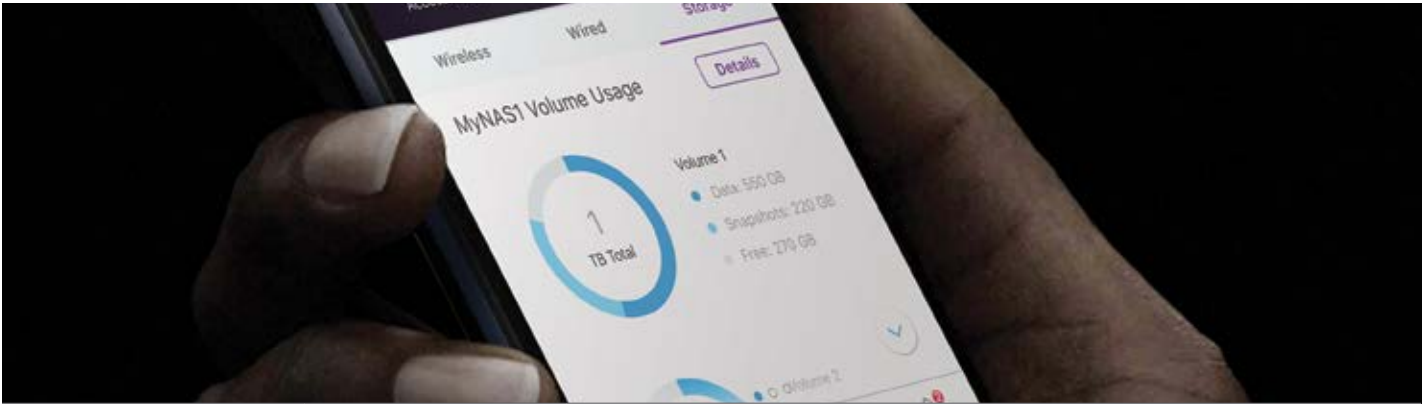
NETGEAR Insight enables multi-location, multi-device configuration of your NETGEAR Insight Managed switches (Smart Cloud and Smart Pro switches with Cloud management), Insight Managed wireless access points, Insight Instant VPN Routers and Business-Class storage devices either locally or remotely. It 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 Pro for Managed Service Providers and Value-added Resellers. Insight Pro can be purchased only through the Distribution channel. For more information on the Insight subscription plans, go to [www.netgear.com/insight](http://www.netgear.com/insight)

Your Network. Anytime. Anywhere.



\*Cloud portal available with the Insight Premium and Pro subscriptions. See [www.netgear.com/insight](http://www.netgear.com/insight) for details.



PRODUCT	NETGEAR INSIGHT 5.8	
Features	Full Network Discovery	<ul style="list-style-type: none"><li>Discovery of select NETGEAR network devices - Access Point, Switch, Storage and VPN Router</li><li>Discovery and setup of the NETGEAR Insight Managed network devices</li><li>Multi-device monitoring dashboard</li><li>NETGEAR Smart Managed Switch Discovery, registration and IP address Management</li><li>Visibility into WiFi clients</li></ul>
	Setup And Installation Of Insight Managed Devices	<ul style="list-style-type: none"><li>Easy device discovery via WiFi network discovery or QR /bar code scanning</li><li>Instant VPN Functionality with the BR500 ((subscription needed) and IPSec support</li><li>Insight Instant mesh setup with the WAC540</li><li>Orbi Pro Router &amp; Satellite manageable by Insight</li><li>Setup Insight Managed Wireless Access Points in router or AP mode</li><li>Set rate limits for upload and download of Insight Managed Wireless APs and Smart Cloud Switches (across both wired and wireless networks)</li><li>Setup Insight Managed Smart Cloud and select Smart Managed Pro switch advanced switching features including VLANs, LAGs, Radius Authentication, PoE and SNMP</li><li>Auto-join and configure (zero-touch deployment) of additional Insight Managed devices</li></ul>
	Full Monitoring Of Insight Managed Devices	<ul style="list-style-type: none"><li>Device Status Dashboards across wired and wireless networks</li><li>Device status (Connected, Not reachable, Up time, Firmware version)</li><li>Detailed logs of device activity</li><li>Email and push notifications</li><li>Data usage monitoring</li></ul>
	Complete Management Of Insight Managed Devices	<ul style="list-style-type: none"><li>Device discovery across full wireless and wired network</li><li>Secure remote user management</li><li>Create up to 3 site-to-site secure connection</li><li>Guest WiFi/Captive Portal</li><li>Firmware upgrade and device reboot</li><li>Define URL filtering for wireless AP</li><li>802.1x Radius Authentication</li><li>VLAN, LAG, QoS, ACLs, and advanced PoE management and SNMP settings</li><li>Smart WiFi management (with Premium or Pro management subscription)</li><li>WiFi Fast Roaming (with Premium or Pro management subscription)</li><li>PoE scheduler (with Premium or Pro management subscription)</li><li>RTP/RSTP/MSTP support (with Premium or Pro management subscription)</li><li>Extend your WiFi further out with Insight Instant Mesh</li><li>Extend out even further for outdoors wireless coverage with AirBridge with Insight management</li><li>Network-Level Config &amp; Cloning (with Premium or Pro management subscription)</li></ul>
	Multi-locations	<ul style="list-style-type: none"><li>Easily create and manage multiple locations from a single pane-of-glass</li><li>Add and configure devices in each network</li><li>Monitor across all locations from anywhere</li><li>Single-flow multi-location creation</li></ul>
	Common Management Ownership	End customer or Managed Service Provider
	Security	Multi-factor authentication, secure cloud, and router/firewall devices
	Supported Operating System	iOS (version 8.0 and above), Android (version 4.4 and above)

## COMPATIBILITY TABLE

NETGEAR INSIGHT	SET-UP	MANAGE	MONITOR	DISCOVER	REGISTER
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





# 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/CLOUD

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

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 <sup>2</sup>	Class Description	Powered Devices (PD)
0 <sup>1</sup>	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 <sup>3</sup>	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 <sup>3</sup>		

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

<sup>1</sup> Default if not specified by device

<sup>2</sup> 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.

<sup>3</sup> 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
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
GS108PP	8 x GbE	8 PoE+	123W**	Yes
GS308P	8 x GbE	4	53W	
GS308PP	8 x GbE	8 (PoE+)	83W** (up to 123W with EPS130W)	Yes
GS116LP	16 x GbE	16 PoE+	76W** (up to 183W with EPS200W)	Yes
GS116PP	16 x GbE	16 PoE+	183W	Yes
GS316P	16 x GbE	16 (PoE+)	115W** (up to 183W with EPS200W)	Yes
GS316PP	16 x GbE	16 (PoE+)	183W**	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	
GS110TTP	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	
GSS10TLPL	8 x GbE + 2 x 1G Dedicated SFP	8 PoE+	75W	
GSS10TP	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	
GSS10TTP	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.



## Switch Naming Convention

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

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	
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 P PoE or PoE+ PP High power PoE or PoE+ UP Ultra PoE++	S Hardware Stacking  Note: GS728TX/XP & GS752TX/XP are also stackable, but do not have "S" in product code.

Fully Managed Switches – How to read the product code

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					•

## Unmanaged Switches - Plug-and-Play, No Configuration






UNMANAGED, L2, 10/100 FAST ETHERNET					
<div></div>					
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	PMB0S11	PMB0S11	PMB0S11	PMB0S11
	OnCall 24x7 3-year	PMB0S31	PMB0S31	PMB0S31	PMB0S31
	OnCall 24x7 5-year	PMB0S51	PMB0S51	PMB0S51	PMB0S51

## Unmanaged Switches

Unmanaged, L2, 10/100 Fast Ethernet				
<div></div>				
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	PMB0S11	PMB0S11	PMB0S12
	OnCall 24x7 3-year	PMB0S31	PMB0S31	PMB0S32
	OnCall 24x7 5-year	PMB0S51	PMB0S51	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 PMB0S51	PMB0S11 PMB0S31 PMB0S51	PMB0S11 PMB0S31 PMB0S51	PMB0S11 PMB0S32 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
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				
<div></div>				
MODEL	GS324		GS324P	GS324PP
Port Configuration	10M/100M RJ45 Copper Ports (Auto Uplink)			0
	10M/100M/1G RJ45 Copper Ports (Auto Uplink)	24	24	24
PoE	# of PoE Ports			24
	Power Over Ethernet 802.3af Ports			24
	PoE Plus (30W) 802.3at Ports			24
	Total PoE/PoE+ Budget			190W
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

# Unmanaged Switches






Unmanaged, L2, Gigabit				
<div></div>				
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 (10.05lb)	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					
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	
	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	
	MAC Address Aging (typical, sec)	300 sec	300 sec	
Quality of Service	802.1p-based QoS/CoS	✓	✓	
Performance	Total Bandwidth (Non-Blocking Fabric) (Gbps)	10 Gbps	10 Gbps	
	Buffer Memory (Packet Buffer Size)	125 KB	125 KB	
	Jumbo Frames	9,216 bytes	9,216 bytes	
Energy Efficiency	IEEE 802.3az	✓	✓	
	Auto Port Power Down	✓	✓	
	Short Cable Detection/Power Saving	✓	✓	
	Max Power Consumption	22.5W	39W	
Physical	Desktop/Rackmount/Click	Desktop/Wallmount	Desktop/Wallmount	
	Metal/Plastic Enclosure	Metal	Metal	
	MTBF @ 25°C	1,093,237 hrs (125 yrs)	1,145,157 hrs (131 yrs)	
	Fan(s)	1	1	
	Acoustic Noise @ 25°C	22.5dBA	22.5dBA	
	Width x Depth x Height	328 x 169 x 43 mm (12.9 x 6.7 x 1.7 in)	328 x 169 x 43 mm (12.9 x 6.7 x 1.7 in)	
	Weight	1.38 kg (3.04 lb)	1.49 kg (3.28 lb)	
Electromagnetic Compliance	(Class A or B)	B	B	
Warranty	Hardware/Switch	Lifetime* Limited	Lifetime* Limited	
	Power Supply	Internal (same as switch)	Internal (same as switch)	
ProSUPPORT Maintenance Contracts***	OnCall 24x7 1-year	PMB0311	PMB0311	
	OnCall 24x7 3-year	PMB0331	PMB0331	
	OnCall 24x7 5-year	PMB0351	PMB0351	

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

Smart Managed Plus, L2, Gigabit					
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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				
<div><div></div><div></div><div></div></div>				
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					
<div><div></div><div></div><div></div><div></div></div>					
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)
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
Quality of Service	Port Mirroring	Many-to-One	Many-to-One
	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 Agregation 802.3ad/LACP	✓	✓
	Discovery Protocol LLDP 802.1ab	✓	✓
	Rate Limiting	✓	✓
	Broadcast Storm Control	✓	✓
L3 Routing	IPv4 Static Routing		
	IPv4 RIPv1/2, OSPFv1/2, VRRP, EMCP		
	IPv6 Static Routing, IPv6 OSPFv3		
	IPv4 / IPv6 Multicast Routing PIM-SM/DM		
Security	IEEE 802.1x (RADIUS)	Supports	Supports
	ACL - Access Control Lists	MAC, IP	MAC, IP
	SSL/SSH & HTTPS		✓
	Guest VLAN	✓	✓
	DHCP Snooping/IP Source Guard/ARP Guard		
Energy Efficiency	TACACS+		✓
	IEEE 802.3az	✓	✓
	Auto Port Power Down	✓	✓
	Dynamic Power Consumption		
	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)
Electromagnetic Compliance	Weight	2.92 kg (6.44 lb)	3.60 kg (7.92 lb)
	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	✓	✓			
	Number of Priority Queues	8	8	4	4	8
Quality of Service	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 Agregation 802.3ad/LACP	✓	✓	✓	✓	✓
	Discovery Protocol LLDP 802.1ab	✓	✓	✓	✓	✓
	Rate Limiting	✓	✓	✓	✓	✓
	Broadcast Storm Control	✓	✓	✓	✓	✓
L3 Routing	IPv4 Static Routing					
Security	IEEE 802.1x (RADIUS)	✓	✓	✓	✓	✓
	ACL - Access Control Lists	MAC, IP	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	✓	✓	✓	✓	✓
Energy Efficiency	TACACS+	✓	✓	✓	✓	✓
	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)
	Class (A or B)	B	B	B	B	B
Electromagnetic Compliance						
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	PMB0531	PMB0532	PMB0532	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			
	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 Agregation 802.3ad/LACP	✓	✓	✓	✓
	Discovery Protocol LLDP 802.1ab	✓	✓	✓	✓
	Rate Limiting	✓	✓	✓	✓
	Broadcast Storm Control	✓	✓	✓	✓
L3 Routing	IPv4 Static Routing			✓	✓
Security	IEEE 802.1x (RADIUS)	✓	✓	✓	✓
	ACL - Access Control Lists	MAC, IP	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		Lifetime	Lifetime
Modules			AGM731F/732F	AGM731F/732F	
ProSUPPORT Maintenance PKGS	OnCall 24x7 1-year	PMB0511	PMB0512	PMB0512	PMB0311
	OnCall 24x7 3-year	PMB0531	PMB0532	PMB0532	PMB0331
	OnCall 24x7 5-year	PMB0551	PMB0552	PMB0552	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 Agregation 802.3ad/LACP	✓	✓	✓
	Discovery Protocol LLDP 802.1ab	✓	✓	✓
	Rate Limiting	✓	✓	✓
	Broadcast Storm Control	✓	✓	✓
L3 Routing	IPv4 Static Routing	✓	✓	✓
Security	IEEE 802.1x (RADIUS)	✓	✓	✓
	ACL - Access Control Lists	MAC, IP, TCP	MAC, IP, TCP	MAC, IP, TCP
	SSL/SSH & HTTPS	SSL/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	PMB0512	PMB0311	PMB0311
	OnCall 24x7 3-year	PMB0532	PMB0331	PMB0331
	OnCall 24x7 5-year	PMB0552	PMB0351	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	✓	✓	
	Number of Priority Queues	8	8	
	Traffic Prioritization	802.1p, DSCP, Diffserv	802.1p, DSCP, Diffserv	
Quality of Service	Auto Voice VLAN	✓	✓	
	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	
	Number of 802.1q VLAN/Number of VLAN Group	256	256	
Traffic Management	Link Agregation 802.3ad/LACP	✓	✓	
	Discovery Protocol LLDP 802.1ab	✓	✓	
	Rate Limiting	✓	✓	
	Broadcast Storm Control	✓	✓	
	IPv4 Static Routing	✓	✓	
L3 Routing	IEEE 802.1x (RADIUS)	✓	✓	
Security	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+	✓	✓	
	IEEE 802.3az	✓	✓	
Energy Efficiency	Auto Port Power Down	✓	✓	
	Dynamic Power Consumption	✓	✓	
	Max Power Consumption	17.4W	41.1W	
	Desktop/Rackmount/Click	Rackmount	Rackmount	
	Metal/Plastic Enclosure	Metal	Metal	
Physical	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	✓	✓	✓	✓
	Number of Priority Queues	8	8	8	8
Quality of Service	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
	Spanning Tree 802.1d/RSTP .1w/MSTP .1s	802.1d, .1w, .1s	802.1d, .1w, .1s	802.1d, .1w, .1s	802.1d, .1w, .1s
Availability	Number of 802.1q VLAN/Number of VLAN Group	256	256	256	256
	Link Agregation 802.3ad/LACP	✓	✓	✓	✓
	Discovery Protocol LLDP 802.1ab	✓	✓	✓	✓
	Rate Limiting	✓	✓	✓	✓
	Broadcast Storm Control	✓	✓	✓	✓
L3 Routing	IPv4 Static Routing	✓	✓	✓	✓
Security	IEEE 802.1x (RADIUS)	✓	✓	✓	✓
	ACL - Access Control Lists	MAC, IP	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
	Desktop/Rackmount/Click	Rackmount	Rackmount	Rackmount	Rackmount
Physical	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)
	Class (A or B)	A	A	A	A
Electromagnetic Compliance		Lifetime	Lifetime	Lifetime	Lifetime
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	AGM731F/AGM732F; AXM761/AXM762/AXM763/AXM764 / AXM765
ProSUPPORT Maintenance PKGS	OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year	PMB0312 PMB0332 PMB0352	PMB0312 PMB0332 PMB0352	PMB0312 PMB0332 PMB0352	PMB0312 PMB0332 PMB0352

# 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 Agregation 802.3ad/LACP	✓	✓	✓
	Discovery Protocol LLDP 802.1ab	✓	✓	✓
	Rate Limiting	✓	✓	✓
	Broadcast Storm Control	✓	✓	✓
L3 Routing	IPv4 Static Routing	✓	✓	✓
Security	IEEE 802.1x (RADIUS)	✓	✓	✓
	ACL - Access Control Lists	MAC, IP, TCP	MAC, IP, TCP	MAC, IP, TCP
	SSL/SSH & HTTPS	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	PMB0312	PMB0313	PMB0313
	OnCall 24x7 3-year	PMB0332	PMB0333	PMB0333
	OnCall 24x7 5-year	PMB0352	PMB0353	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 Agregation 802.3ad/LACP	✓	✓	✓	✓
	Discovery Protocol LLDP 802.1ab	✓	✓	✓	✓
	Rate Limiting	✓	✓	✓	✓
	Broadcast Storm Control	✓	✓	✓	✓
L3 Routing	IPv4 Static Routing	✓	✓	✓	✓
Security	IEEE 802.1x (RADIUS)	✓	✓	✓	✓
	ACL - Access Control Lists	MAC, IP, TCP	MAC, IP, TCP	MAC, IP, TCP	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	PMB0312	PMB0312	PMB0311	PMB0312
	OnCall 24x7 3-year	PMB0332	PMB0332	PMB0331	PMB0332
	OnCall 24x7 5-year	PMB0352	PMB0352	PMB0351	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
	Single IP Management	✓	✓	✓
System Management	Web Managed/GUI	✓	✓	✓
	Command Line Interface/RS232 Console/Telnet			
	SNMP Version	v1, v2c, v3	v1, v2c, v3	v1, v2c, v3
Quality of Service	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	✓	✓	✓
	Number of Priority Queues	8	8	8
Multicast Filtering	Traffic Prioritization	802.1p; Diffserv; TCP/UDP	802.1p; Diffserv; TCP/UDP	802.1p; Diffserv; TCP/UDP
	Auto Voice VLAN	✓	✓	✓
	IGMP Snooping Version	v1, v2, v3	v1, v2, v3	v1, v2, v3
Performance	IGMP Snooping Querier	✓	✓	✓
	Bandwidth	320 Gbps	560 Gbps	960 Gbps
	Buffer Memory	2 MB Per System	3 MB Per System	3 MB Per System
Availability	Jumbo Frames	9,216	10,240	10,240
	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 Agregation 802.3ad/LACP	✓	✓	✓
	Discovery Protocol LLDP 802.1ab	✓	✓	✓
	Rate Limiting	✓	✓	✓
	Broadcast Storm Control	✓	✓	✓
L3 Routing	IPv4 Static Routing	✓	✓	✓
Security	IEEE 802.1x (RADIUS)	✓	✓	✓
	ACL - Access Control Lists	MAC, IP, TCP	MAC, IP, TCP	MAC, IP, TCP
	SSL/SSH & HTTPS	HTTPS	HTTPS	HTTPS
	Guest VLAN	✓	✓	✓
	DHCP Snooping/IP Source Guard/ARP Guard	✓	✓	✓
Energy Efficiency	TACACS+	✓	✓	✓
	Auto Port Power Down		✓	✓
	Dynamic Power Consumption	✓	✓	✓
Physical	Max Power Consumption	96.0W	134.9W	262.8W
	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)
Electromagnetic Compliance	Weight	2.98 kg (6.57 lb)	5.04 kg (11.11 lb)	6.25 kg (13.78 lb)
	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	PMB0312	PMB0312	PMB0313
	OnCall 24x7 3-year	PMB0332	PMB0332	PMB0333
	OnCall 24x7 5-year	PMB0352	PMB0352	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 Watts¹
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
	Single IP Management	✓	✓	✓
System Management	Web Managed/GUI	✓	✓	✓
	Insight Cloud Management Option	✓	✓	✓
	Command Line Interface/RS232 Console/Telnet			
Optional Unified Network Management	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 Discovery, Setup, Monitoring & Management	Discovery, setup, monitoring and management via NETGEAR Insight mobile app or Insight Cloud Portal	✓	✓	✓
	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 Agregation 802.3ad/LACP	✓	✓	✓
	Discovery Protocol LLDP 802.1ab	✓	✓	✓
	Rate Limiting	✓	✓	✓
	Broadcast Storm Control	✓	✓	✓
L3 Routing	IPv4 Static Routing	✓	✓	✓
Security	IEEE 802.1x (RADIUS)	✓	✓	✓
	ACL - Access Control Lists	MAC, IP	MAC, IP	MAC, IP
	SSL/SSH & HTTPS	HTTPS	HTTPS	HTTPS
	Guest VLAN	✓	✓	✓
	DHCP Snooping/IP Source Guard/ARP Guard	✓	✓	✓
Energy Efficiency	TACACS+	✓	✓	✓
	Auto Port Power Down	✓	✓	✓
	Dynamic Power Consumption	✓	✓	✓
Physical	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)
	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	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)	236 x 101 x 27 mm ( 9.3 x 4.0 x 1.1 in)
Electromagnetic Compliance	Weight	0.43 kg (0.94 lb)	0.61 kg (1.34 lb)	0.64kg ( 1.41 lb)
	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		
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	✓	✓	✓	✓
	Discovery, setup, monitoring and management via NETGEAR Insight mobile app or Insight Cloud Portal	✓	✓	✓	✓
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
	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 Agregation 802.3ad/LACP	✓	✓	✓	✓
	Discovery Protocol LLDP 802.1ab	✓	✓	✓	✓
	Rate Limiting	✓	✓	✓	✓
	Broadcast Storm Control	✓	✓	✓	✓
	IPv4 Static Routing	✓	✓		
	Security	IEEE 802.1x (RADIUS)	✓	✓	✓
L3 Routing	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+	✓	✓	✓	✓
	EEE 802.3az	✓	✓	✓	✓
	Auto Port Power Down	✓	✓	✓	✓
Energy Efficiency	Dynamic Power Consumption	✓	✓	✓	✓
	Max Power Consumption	276.8 Watts	554.0 Watts	228.5 Watts	446.7 Watts
	Desktop/Rackmount/Click	Desktop, Wallmount, Rackmount	Rackmount	Rackmount	Rackmount
	Metal/Plastic Enclosure	Metal	Metal	Metal	Metal
Physical	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
	AGM731F/AGM732F/AGM734	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	✓	✓
	Discovery, setup, monitoring and management via NETGEAR Insight mobile app or Insight Cloud Portal	✓	✓
Optional Unified Network 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
	Number of 802.1q VLAN/Number of VLAN Group	256	256
Traffic Management	Link Agregation 802.3ad/LACP	✓	✓
	Discovery Protocol LLDP 802.1ab	✓	✓
	Rate Limiting	✓	✓
	Broadcast Storm Control	✓	✓
	IPv4 Static Routing	✓	✓
	Security	IEEE 802.1x (RADIUS)	✓
	ACL - Access Control Lists	MAC, IP, TCP	MAC, IP, TCP
L3 Routing	SSL/SSH & HTTPS	HTTPS	HTTPS
	Guest VLAN	✓	✓
	DHCP Snooping/IP Source Guard/ARP Guard	✓	✓
	TACACS+	✓	✓
	EEE 802.3az	✓	✓
	Auto Port Power Down		
	Dynamic Power Consumption	✓	✓
Physical	Max Power Consumption	226 Watts	439 Watts
	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)
Electromagnetic Compliance	Weight	3.78 kg (8.3lb)	4.11 kg (9.10 lb)
	Class (A or B)	A	A
Warranty Hardware	Lifetime		Lifetime
	Lifetime		Lifetime
Warranty Power Supply	Lifetime		Lifetime
	AGM731F/732F		AGM731F/732F
Modules	AGM731F/732F		AGM731F/732F
	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			
<div></div>			
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 Agregation 802.3ad/LACP	✓	✓
	Discovery Protocol LLDP 802.1ab	✓	✓
	Rate Limiting	✓	✓
	Broadcast Storm Control	✓	✓
L3 Routing	IPv4 Static Routing	✓	✓
Security	IEEE 802.1x (RADIUS)	✓	✓
	ACL - Access Control Lists	MAC, IP, TCP	MAC, IP, TCP
	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	✓	✓
Physical	Max Power Consumption	446 Watts	861 Watts
	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 & 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	
	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
	Quality of Service	Firmware upgrade direct from Cloud (via mobile device)	Yes
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 Agregation 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	
	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	
Discovery, Setup, Monitoring & Management	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
	1G SFP Fiber Ports	2 dedicated	2 dedicated
	PoE (Power over Ethernet)	PoE (15.4W) 802.3af Ports	8
PoE (Power over Ethernet)	PoE+ (30W) 802.3at Ports		
	Total PoE Budget†		62W
	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	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
Scalability	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
System Management	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
Quality of Service	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
Performance	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
Multicast Filtering	Firmware upgrade direct from Cloud (via mobile device)	Yes	Yes
	Number of Priority Queues	8	8
	Traffic Prioritization	802.1p, DSCP, Diffserv	802.1p, DSCP, Diffserv
	Auto Voice VLAN	Yes	Yes
Availability	IGMP Snooping Version	v1, v2c, v3	v1, v2c, v3
	IGMP Snooping Querier	Yes	Yes
	Bandwidth	20 Gbps	20 Gbps
	Buffer Memory	1.5 MB Per System	1.5 MB Per System
Traffic Management	Jumbo Frames	9,216	9,216
	Spanning Tree 802.1d/RSTP .1w/MSTP .1s	802.1d, .1w, .1s	802.1d, .1w, .1s
	Number of 802.1q VLAN/Number of VLAN Group	256	256
	Link Agregation 802.3ad/LACP	Yes	Yes
L3 Routing	Discovery Protocol LLDP 802.1ab	Yes	Yes
	Rate Limiting	Yes	Yes
	Broadcast Storm Control	Yes	Yes
	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
Energy Efficiency	DHCP Snooping/IP Source Guard	Yes	Yes
	TACACS+	Yes	Yes
	IEEE 802.3az	Yes	Yes
	Auto Port Power Down	Yes	Yes
Physical	Dynamic Power Consumption	Yes	Yes
	Max Power Consumption	10.1W	74.4W (full PoE)
	Desktop/Wallmount (VESA)/Rackmount	Desktop/Wallmount	Desktop/Wallmount
	Metal/Plastic Enclosure	Metal	Metal
Electromagnetic Compliance	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)
Warranty Switch*	Weight	0.73 kg (1.61 lb)	0.77 kg (1.70 lb)
	Class (A or B)	A	A
	5 years	5 years	5 years
	2 years	2 years	2 years
Modules	AGM731F, AGM732F, AGM734	AGM731F, AGM732F, AGM734	AGM731F, AGM732F, AGM734
	Category S2: PMB0512	Category S2: PMB0512	Category S2: PMB0512
	OnCall 24x7 3-year	OnCall 24x7 3-year	OnCall 24x7 3-year
	OnCall 24x7 5-year	OnCall 24x7 5-year	OnCall 24x7 5-year

† 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	
	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	
Discovery, Setup, Monitoring & Management	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
	1G SFP Fiber Ports	2 dedicated	2 dedicated
	PoE (Power over Ethernet)	PoE (15.4W) 802.3af Ports	8
PoE (Power over Ethernet)	PoE+ (30W) 802.3at Ports		
	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
	Front (per port) (applicable models)		Cloud/Internet Connection, Power, PoE Max, Fan Status
	Rear (per port) (applicable models)	Speed/Link/Activity (left), PoE Power (right)	Speed/Link/Activity (left), PoE Power (right)
Scalability	# MAC Addresses	16,000	16,000
	ARP Table / NDP Table - Size of	384 ARP / 128 NDP	384 ARP / 128 NDP
	# Routing Entries	32 IPv4 / 31 IPv6	32 IPv4 / 31 IPv6
	# ACL Rules (Shared for MAC, IP and IPv6 ACLs)	100	100
System Management	Cloud/Remote Management	Yes	Yes
	Mobile app and Cloud Portal management	Yes	Yes
	uPnP Discovery & Bonjour Discovery	Yes	Yes
	Centralized network configuration (policies)	Yes	Yes
Quality of Service	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
Performance	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
Multicast Filtering	Port Mirroring	Many-to-One	Many-to-One
	IPv6 Management	Yes	Yes
	Firmware upgrade direct from Cloud (via mobile device)	Yes	Yes
	Number of Priority Queues	8	8
Availability	Traffic Prioritization	802.1p, DSCP, Diffserv	802.1p, DSCP, Diffserv
	Auto Voice VLAN	Yes	Yes
	IGMP Snooping Version	v1, v2c, v3	v1, v2c, v3
	IGMP Snooping Querier	Yes	Yes
Traffic Management	Bandwidth	20 Gbps	20 Gbps
	Buffer Memory	1.5 MB Per System	1.5 MB Per System
	Jumbo Frames	9,216	9,216
	Spanning Tree 802.1d/RSTP .1w/MSTP .1s	802.1d, .1w, .1s	802.1d, .1w, .1s
L3 Routing	Number of 802.1q VLAN/Number of VLAN Group	256	256
	Link Agregation 802.3ad/LACP	Yes	Yes
	Discovery Protocol LLDP 802.1ab	Yes	Yes
	Rate Limiting	Yes	Yes
Security	Broadcast Storm Control	Yes	Yes
	IPv4/IPv6 Static Routing	Yes	Yes
	IEEE 802.1x (RADIUS)	Yes	Yes
	ACL - Access Control Lists	MAC, IP, TCP	MAC, IP, TCP
Energy Efficiency	SSL/SSH & HTTPS	SSL/HTTPS	SSL/HTTPS
	Guest VLAN	Yes	Yes
	DHCP Snooping/IP Source Guard	Yes	Yes
	TACACS+	Yes	Yes
Physical	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)
Electromagnetic Compliance	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
Warranty Switch*	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)
	Class (A or B)	A	A
Modules	5 years	5 years	5 years
	2 years	2 years	2 years
	AGM731F, AGM732F, AGM734	AGM731F, AGM732F, AGM734	AGM731F, AGM732F, AGM734
	Category S2: PMB0512 (1 yr.)	Category S2: PMB0512 (1 yr.)	Category S2: PMB0512 (1 yr.)
ProSUPPORT Maintenance Pkgs***	OnCall 24x7 1-year	OnCall 24x7 1-year	OnCall 24x7 1-year
	OnCall 24x7 3-year	OnCall 24x7 3-year	OnCall 24x7 3-year
	OnCall 24x7 5-year	OnCall 24x7 5-year	OnCall 24x7 5-year
	PMB0532 (3 yrs.)	PMB0532 (3 yrs.)	PMB0532 (3 yrs.)
ProSUPPORT Maintenance Pkgs***	PMB0552 (5 yrs.)	PMB0552 (5 yrs.)	PMB0552 (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	GC728XGC728XP		
Unified Network Management Discovery, Setup, Monitoring & 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	
	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	
Port 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	
	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	
LEDs	Advanced per-port PoE scheduling	Yes	
	Front (per device) (applicable models)	Cloud/Internet Connection, Power, PoE Max, Fan Status	Cloud/Internet Connection, Power, PoE Max, Fan Status
	Front (per device) (applicable models)		
	Front (per device) (applicable models)	Speed/Link/Activity	Speed/Link/Activity (left), PoE Power (right)
Scalability	Front (per port) (applicable models)		
	# 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
System Management	# ACL Rules (Shared for MAC, IP and IPv6 ACLs)	100	100
	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 Agregation 802.3ad/LACP	Yes	Yes
	Discovery Protocol LLDP 802.1ab	Yes	Yes
	Rate Limiting	Yes	Yes
	Broadcast Storm Control	Yes	Yes
	IPV4/IPV6 Static Routing	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
Physical	Max Power Consumption	18.5W	437.1W (full PoE)
	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	GC752XGC752XP		
Unified Network Management Discovery, Setup, Monitoring & 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	
	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	
Port 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	
	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	
LEDs	Advanced per-port PoE scheduling	Yes	
	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)
Scalability	Front (per port) (applicable models)		
	# 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
System Management	# ACL Rules (Shared for MAC, IP and IPv6 ACLs)	100	100
	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 Agregation 802.3ad/LACP	Yes	Yes
	Discovery Protocol LLDP 802.1ab	Yes	Yes
	Rate Limiting	Yes	Yes
	Broadcast Storm Control	Yes	Yes
	IPV4/IPV6 Static Routing	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
Physical	Max Power Consumption	43.9W	623.6W (full PoE)
	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 Agregation 802.3ad/LACP	✓	✓
	Discovery Protocol LLDP 802.1ab	✓	✓
	Rate Limiting	✓	✓
	Broadcast Storm Control	✓	✓
L3 Routing	IPv4 Static Routing	✓	✓
Security	IEEE 802.1x (RADIUS)	✓	✓
	ACL - Access Control Lists	MAC, IP, TCP	MAC, IP, TCP
	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
	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	PMB0312	PMB0312
	OnCall 24x7 3-year	PMB0332	PMB0332
	OnCall 24x7 5-year	PMB0352	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 Agregation 802.3ad/LACP	✓	✓	✓
	Discovery Protocol LLDP 802.1ab	✓	✓	✓
	Rate Limiting	✓	✓	✓
	Broadcast Storm Control	✓	✓	✓
L3 Routing	IPv4 Static Routing	✓	✓	✓
	IPv4 RIPv1/2, OSPFv1/2, VRRP, EMCP			
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	PMB0312	PMB0313	PMB0312
	OnCall 24x7 3-year	PMB0332	PMB0333	PMB0332
	OnCall 24x7 5-year	PMB0352	PMB0353	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 Agregation 802.3ad/LACP	✓	✓	✓
	Discovery Protocol LLDP 802.1ab	✓	✓	✓
	Rate Limiting	✓	✓	✓
	Broadcast Storm Control	✓	✓	✓
L3 Routing	IPv4 Static Routing	✓	✓	✓
	IPv4 RIPv1/2, OSPFv1/2, VRRP, EMCP			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	✓	✓	✓
Physical	Power Consumption	533W	555.5W	281.6W
	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)
Electromagnetic Compliance	Weight	4.37 kg (9.63 lb)	4.96 kg (10.9 lb)	2.05 kg (4.52 lb)
	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
Quality of Service	IPv6 full set	✓	✓
	Number of Priority Queues	8	8
	Traffic Prioritization	802.1p ; Diffserv ; TCP/UDP	802.1p ; Diffserv ; TCP/UDP
Multicast Filtering	Auto Voice VLAN	✓	✓
	IGMP Snooping Version	v1, v2, v3	v1, v2, v3
Performance	IGMP Snooping Querier	✓	✓
	Bandwidth	128 Gbps	176 Gbps
Availability	Buffer Memory	16 Mb	16 Mb
	Jumbo Frames	9,198	9,198
	Spanning Tree 802.1d/RSTP .1w/MSTP .1s	802.1d, .1w, .1s; PV(R)STP	802.1d, .1w, .1s; PV(R)STP
Traffic Management	RPS Redundant Power Supply	Second optional APS150W	Second optional APS150W
	Modular Power Supply	APS150W	APS150W
	Number of 802.1q VLAN/Number of VLAN Group	4,093/4,093	4,093/4,093
	Link Agregation 802.3ad/LACP	✓	✓
	Discovery Protocol LLDP 802.1ab	✓	✓
L3 Routing	Rate Limiting	✓	✓
	Broadcast Storm Control	✓	✓
	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	✓	✓
Energy Efficiency	TACACS+	✓	✓
	IEEE 802.3az	✓	✓
	Auto Port Power Down	✓	✓
	Dynamic Power Consumption	✓	✓
Physical	Power Consumption	34.5W	47.4W
	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)
Electromagnetic Compliance	Weight	4.51 kg (9.94 lb)	4.91 kg (10.81 lb)
	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
Scalability	Stacking Compatibility	M4300 series	M4300 series
	# 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	✓	✓
	Number of Priority Queues	8	8
	Traffic Prioritization	802.1p; Diffserv; TCP/UDP	802.1p; Diffserv; TCP/UDP
Quality of Service	Auto Voice VLAN	✓	✓
	IGMP Snooping Version	v1, v2, v3	v1, v2, v3
Multicast Filtering	IGMP Snooping Querier	✓	✓
	Bandwidth	128 Gbps	176 Gbps
Performance	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 Agregation 802.3ad/LACP	✓	✓
	Discovery Protocol LLDP 802.1ab	✓	✓
	Rate Limiting	✓	✓
L3 Routing	Broadcast Storm Control	✓	✓
	IPv4 Static Routing	✓	✓
	IPv4 RiPv1/2, OSPFv1/2, VRRP, EMCP	✓	✓
	IPv6 Static Routing, IPv6 OSPFv3	✓	✓
Security	IPv4 / IPv6 Multicast Routing PIM-SM/DM	✓	✓
	IEEE 802.1x (RADIUS)	✓	✓
	ACL - Access Control Lists	MAC, IP, TCP	MAC, IP, TCP
	SSL/SSH & HTTPS	SSL/SSH & HTTPS	SSL/SSH & HTTPS
Energy Efficiency	Guest VLAN	✓	✓
	DHCP Snooping/IP Source Guard/ARP Guard	✓	✓
	TACACS+	✓	✓
	IEEE 802.3az	✓	✓
Physical	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)
	Desktop/Rackmount/Click	Rackmount	Rackmount
Electromagnetic Compliance	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
Warranty Hardware	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)
	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	PMB0313	PMB0313
	OnCall 24x7 3-year	PMB0333	PMB0334
	OnCall 24x7 5-year	PMB0353	PMB0354

## 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
Scalability	Stacking Compatibility	M4300 series	M4300 series	M4300 series	M4300 series
	# 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	✓	✓	✓	✓
	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
Multicast Filtering	Auto Voice VLAN	✓	✓	✓	✓
	IGMP Snooping Version	v1, v2, v3	v1, v2, v3	v1, v2, v3	v1, v2, v3
Performance	IGMP Snooping Querier	✓	✓	✓	✓
	Bandwidth	320 Gbps	320 Gbps	480 Gbps	480 Gbps
Availability	Buffer Memory	16 Mb	16 Mb	32 Mb	32 Mb
	Jumbo Frames	9,198	9,198	9,198	9,198
Traffic Management	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	APS250W	APS199W (PA) or APS600W (PB)	APS250W	APS250W
	Modular Power Supply	APS250W	APS199W (PA) or APS600W (PB)	APS250W	APS250W
L3 Routing	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 Agregation 802.3ad/LACP	✓	✓	✓	✓
	Discovery Protocol LLDP 802.1ab	✓	✓	✓	✓
	Rate Limiting	✓	✓	✓	✓
Security	Broadcast Storm Control	✓	✓	✓	✓
	IPv4 Static Routing	✓	✓	✓	✓
	IPv4 RiPv1/2, OSPFv1/2, VRRP, EMCP	✓	✓	✓	✓
	IPv6 Static Routing, IPv6 OSPFv3	✓	✓	✓	✓
Energy Efficiency	IPv4 / IPv6 Multicast Routing PIM-SM/DM	✓	✓	✓	✓
	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
Physical	Guest VLAN	✓	✓	✓	✓
	DHCP Snooping/IP Source Guard/ARP Guard	✓	✓	✓	✓
	TACACS+	✓	✓	✓	✓
	IEEE 802.3az	✓	✓	✓	✓
Electromagnetic Compliance	Auto Port Power Down	✓	✓	✓	✓
	Dynamic Power Consumption	✓	✓	✓	✓
	Power Consumption	49W	308.7W (PA) 610W (PB)	97W	125W
	Desktop/Rackmount/Click	Rackmount	Rackmount	Rackmount	Rackmount
Warranty Hardware	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
Warranty Power Supply	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)
	Class (A or B)	A	A	A	A
	Lifetime	Lifetime	Lifetime	Lifetime	Lifetime
ProSUPPORT Maintenance PKGS	OnCall 24x7 1-year	PMB0313	PMB0313	PMB0314	PMB0314
	OnCall 24x7 3-year	PMB0333	PMB0333	PMB0334	PMB0334
	OnCall 24x7 5-year	PMB0353	PMB0353	PMB0354	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
Scalability	Stacking Compatibility	M4300 series	M4300 series	M4300 series	M4300 series
	# 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
System Management	# ACL Rules	16,384 (ingress, egress)	16,384 (ingress, egress)	16,384 (ingress, egress)	16,384 (ingress, egress)
	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	✓	✓	✓	✓
	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
Multicast Filtering	Auto Voice VLAN	✓	✓	✓	✓
	IGMP Snooping Version	v1, v2, v3	v1, v2, v3	v1, v2, v3	v1, v2, v3
Performance	IGMP Snooping Querier	✓	✓	✓	✓
	Bandwidth	480 Gbps	960 Gbps	960 Gbps	960 Gbps
	Buffer Memory	32 Mb	56 Mb	56 Mb	56 Mb
Availability	Jumbo Frames	9,198	9,198	9,198	9,198
	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
Traffic Management	Modular Power Supply	APS250W	APS250W	APS250W	APS250W
	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 Agregation 802.3ad/LACP	✓	✓	✓	✓
	Discovery Protocol LLDP 802.1ab	✓	✓	✓	✓
	Rate Limiting	✓	✓	✓	✓
L3 Routing	Broadcast Storm Control	✓	✓	✓	✓
	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+	✓	✓	✓	✓
	IEEE 802.3az	✓	✓	✓	✓
Energy Efficiency	Auto Port Power Down	✓	✓	✓	✓
	Dynamic Power Consumption	✓	✓	✓	✓
	Power Consumption	125W	161W	237.2W	152.4 Watts
	Desktop/Rackmount/Click	Rackmount	Rackmount	R	R
Physical	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)
	Class (A or B)	A	A	A	A
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

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


				
MODEL		M4300-96X (XSM4396K0 OR K1)	M4500-32C (CSM4532)	M4500-48XF8C (XSM4556)
Port Configuration	10/100/1000 RJ45 Ports (Auto Uplink)	Up to 96 10GBaseT		
	Fiber Ports	Up to 96 SFP+ / 24 QSFP+	32 QSFP28 (100G)	48 SFP28 (10/25G) / 8 QSFP28 (100G)
	10Gig Module Bays			
PoE	Power Over Ethernet 802.3af Ports	Up to 48		
	PoE Plus (30W) 802.3at Ports	Up to 48		
	Total PoE Budget	Up to 1,440W		
Stacking	Number of Dedicated Stacking Ports	Up to 16 10G or 40G ports		
	Stacking Bandwidth	320 Gbps		
	Stacking (maximum capacity)	8 switches		
Scalability	Stacking Compatibility	M4300 series	MLAG (M4500 Series)	MLAG (M4500 Series)
	# 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	✓	✓	✓
	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 Agregation 802.3ad/LACP	✓	✓	✓
	Discovery Protocol LLDP 802.1ab	✓	✓	✓
	Rate Limiting	✓	✓	✓
	Broadcast Storm Control	✓	✓	✓
L3 Routing	IPv4 Static Routing	✓	✓	✓
	IPv4 RIPv1/2, OSPFv1/2, VRRP, EMCP	✓	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+	✓	✓	✓
	IEEE 802.3az	✓		
Energy Efficiency	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






		Fully Managed, M5300 series (L3), Gigabit and 10-Gigabit	Fully Managed, M6100 series (L3), Gigabit and 10-Gigabit
MODEL		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
Scalability	Stacking Compatibility	M5300, GSM72xxPS, GSM73xxSv2	Distributed Fabric
	# MAC Addresses	32,000	32,000
	ARP Table - Size of	6,144	8K
System Management	# Routing Entries	12,000	12,000
	# ACL Rules	16,384 (ingress, egress)	16K (ingress, egress)
	Single IP Management	✓	✓
Quality of Service	Web Managed/GUI	✓	✓
	Command Line Interface/RS232 Console/Telnet	✓	✓
	SNMP Version	v1, v2c, v3	v1, v2c, v3
Multicast Filtering	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
Performance	IPv6 full set	✓	✓
	Number of Priority Queues	8	7
	Traffic Prioritization	802.1p; Diffserv; TCP/UDP	802.1p; Diffserv; TCP/UDP
Availability	Auto Voice VLAN	✓	✓
	IGMP Snooping Version	v1, v2, v3	v1, v2, v3
	IGMP Snooping Querier	✓	✓
Traffic Management	Bandwidth	144 Gbps	480 Gbps inter-module
	Buffer Memory	16 Mb	32 Mb (1G); 72 Mb (10G)
	Jumbo Frames	12,288	12,288
L3 Routing	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
Security	Number of 802.1q VLAN/Number of VLAN Group	4,093 / 4,093	4K / 4K
	Link Agregation 802.3ad/LACP	✓	✓
	Discovery Protocol LLDP 802.1ab	✓	✓
Energy Efficiency	Rate Limiting	✓	✓
	Broadcast Storm Control	✓	✓
	IPv4 Static Routing	✓	✓
Physical	IPv4 RIPv1/2, OSPFv1/2, VRRP, EMCP	✓	✓
	IPv6 Static Routing, IPv6 OSPFv3	✓	✓
	IPv4 / IPv6 Multicast Routing PIM-SM/DM	✓	✓
Warranty Hardware	IEEE 802.1x (RADIUS)	✓	✓
	ACL - Access Control Lists	MAC, IP, TCP	MAC, IP, TCP
	SSL/SSH & HTTPS	SSL/SSH & HTTPS	SSL/SSH & HTTPS
Modules	Guest VLAN	✓	✓
	DHCP Snooping/IP Source Guard/ARP Guard	✓	✓
	TACACS+	✓	✓
ProSUPPORT Maintenance PKGS	IEEE 802.3az	✓	✓
	Auto Port Power Down	✓	✓
	Dynamic Power Consumption	✓	✓
Electromagnetic Compliance	Power Consumption	55W	See online configurator
	Desktop/Rackmount/Click	R	R
	Metal/Plastic Enclosure	Metal	Metal
Warranty Power Supply	MTBF @ 25°C	539,481 hrs	387 years (Base Chassis)
	Fan(s)	✓	Front to back
	Acoustic Noise @ 25°C	35.6dBA	53dBA
Modules	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)
	Class (A or B)	A	A
Modules	Lifetime	Lifetime	Lifetime
	Lifetime	Lifetime	Lifetime
	Lifetime	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; AF1603
ProSUPPORT Maintenance PKGS	OnCall 24x7 1-year	PMB0313	PMB0314
	OnCall 24x7 3-year	PMB0333	PMB0334
	OnCall 24x7 5-year	PMB0353	PMB0354

## Modules and Accessories for Switches

For use with managed switches

				
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

					
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





					
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

<div>10-Gigabit Copper and Fiber Modules</div>					
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

<div>Modular Power Supply</div>					
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

<div>Modular Power Supply</div>					
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

<div></div>			
	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		



# 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.

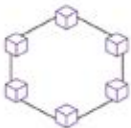
As your organization grows, so does your wireless management needs. As needs change, you can adapt to the management platform that best suits your requirements.



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.

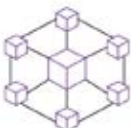
Available for WAC720 & WAC730.



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.

WIRELESS

## Wireless Controllers

<div><div><div><div>BUSINESS CENTRAL</div></div><div>Business Central™ Wireless Cloud Manager</div></div><div><div><div>Premium Wireless Controller</div><div>Wireless Controller</div><div>Wireless Controller</div></div></div></div>				
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

<div><div><div><div>WiFi Essentials</div></div><div>Insight Managed Smart Cloud</div></div><div><div><div>WAC104</div><div>WAC124</div><div>WAC505</div><div>WAC510</div></div></div></div>				
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 OnCall 24x7 3-year OnCall 24x7 5-year	PMB0511 PMB0531 PMB0551	PMB0311 PMB0331 PMB0351	PMB0511 PMB0531 PMB0551	PMB0512 PMB0532 PMB0552

# Wireless Access Points

## 11AC Access Points

				
	Tri-Band WiFi System			
			Outdoor	
MODEL	WAC540	ORBI PRO	RBS50Y	SRC60
Product Description	AC WiFi Business AP with NETGEAR Insight app for easy management	AC3000 Tri-band WiFi System	Orbi Outdoor Satellite	AC3000 Tri-band WiFi Satellite
Typical Deployment		SMB businesses	Outdoor use	SMB Businesses
WIRELESS				
Standard	802.11ac Wave 2	802.11ac Wave 2	802.11 b/g/n/a/ac	801.11ac Wave 2
Dual Band	Tri band	Tri band	Tri band	Tri band
2.4 GHz	✓	✓	✓	✓
5 GHz	✓	✓	✓	✓
TX by Rv	4x4 @5GHz, 2x2 @5GHz, 2x2 @2.4GHz	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 + 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	40
HARDWARE				
# of Ethernet Ports	2	4	0	2
Speed of Ethernet Ports	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
Antenna Gain	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)	8.3 x 2.7 x 10.6 in	10.5 x 9.4 x 1.6in (267 x 239 x 41mm)
Enclosure Material	Plastic	Plastic	Plastic & Metal in the back	Plastic
Kensington Lock				
Ceiling/Wall Mounting	✓	✓	Wall Mounting	✓
Power Consumptions (W) Max	25.5W		19.21W	25.5w
MANAGEMENT				
Deployment Options	Standalone/Insight	Standalone/Insight	Standalone/Insight	Standalone/Insight
FEATURES				
# of BSSIDs	8	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	1 year	5 years
Product Ordering SKU	WAC540-100NAS WAC540-10000S WAC540PA-100NAS	SRK60-100NAS SRS60-100NAS	RBS50Y-100NAS	SRC60-100NAS SRC60-100EUS SRC60-100AUS SRC60-100JPS
ProSUPPORT Maintenance PKGS				
OnCall 24x7 1-year		PMB0311	PMB0512	PMB0311
OnCall 24x7 3-year		PMB0331	PMB0532	PMB0331
OnCall 24x7 5-year		PMB0351	PMB0552	PMB0351

# Wireless Access Points

## 11AC and 11N Access Points

					
	11AC Premium Wireless			11N Wireless Access Points	
				Outdoor	
MODEL	WAC720	WAC730	WAC740	WND930	WN370
Product Description	Wireless-AC Dual Band Business AP	Wireless-AC Dual Band Premium AP	Wireless-AC Dual Band Wave 2 AP	Dual Band High Power 802.11n Outdoor AP	Wireless-N Wall Mount Access Point
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	Outdoor deployment for schools, hotels, and medium enterprise	Hotels, motels, school dormitories
WIRELESS					
Standard	802.11 a/b/g/n/ac	802.11 a/b/g/n/ac	802.11 a/b/g/n/ac	802.11 a/b/g/n	802.11 b/g/n
Single Band					✓
Dual Band	✓ (concurrent)	✓ (concurrent)	✓ (concurrent)	✓ (concurrent)	
2.4 GHz	✓	✓	✓	✓	✓
5 GHz	✓	✓	✓	✓	
TX by Rv	2 x 2	3 x 3	4 x 4	2 x 2	2 x 2
Throughput per Radio	300/867 Mbps	450/1300 Mbps	600/1700 Mbps	300/300 Mbps	300 Mbps
Max # of Concurrent Clients (standalone)	256	256	100	128	N/A
Max # of Concurrent Clients (managed)	128	128	128	128	64
HARDWARE					
# of Ethernet Ports	1	1	2	3	4 (LAN) + 1 (uplink) 2 (voice)
Speed of Ethernet Ports	10/100/1000 Mbps	10/100/1000 Mbps	1G/2.5G Multi-Gig Ethernet 10/100/1000 Mbps	10/100/1000 Mbps	4 x 10/100 Mbps + 1 (1G) 2 (voice)
PoE	✓	✓	✓	✓	✓
Antenna Type	Internal	Internal	Internal	Internal/External	Internal
Antenna Gain	5dBi (2.4GHz) 6dBi (5GHz)	5dBi (2.4GHz) 6dBi (5GHz)	5dBi (2.4GHz) 6dBi (5GHz)	5dBi (2.4GHz) 7dBi (5GHz)	5 dBi
Additional External Antenna Connectors	two 2.4/5GHz reverse SMA	three 2.4/5GHz reverse SMA	four 2.4/5GHz reverse SMA	two 2.4 GHz and two 5 GHz female type N	
Plenum				IP67	
Physical Size	197 x 197 x 40 mm	197 x 197 x 40 mm	197 x 197 x 40 mm	255 x 255 x 78 mm	135 x 93 x 26 mm
Enclosure Material	Plastic front - Metal Gray back	Plastic front - Metal Gray back	Plastic front - Metal White back	Plastic front - Metal back	Plastic
Kensington Lock	✓	✓	✓		
Ceiling/Wall Mounting	✓	✓	✓	✓	wall (junction box)
Power Consumptions (W) Max	11	12.9	17.9	15.2W (heater off)	5.1W
MANAGEMENT					
Deployment Options	Standalone / Ensemble / Business Central / Controller (WC7500/ WC7600/9500)	Standalone / Ensemble / Business Central / Controller (WC7500/ WC7600/9500)	Controller (WC7500/ WC7600/9500)	Standalone / Controller (WC7600/WC9500)	Controller (WC7600/9500)
Business Central Management	✓	✓		Future	Future
SNMP	✓	✓	✓	✓	✓
FEATURES					
# of BSSIDs	16	16	16	1	8
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	2 years	Lifetime
Product Ordering SKU	WAC720-10000S WAC720-100NAS	WAC730-10000S WAC730-100NAS	WAC740-10000S WAC740-100NAS	WND930-1000S WND930-100NAS	WN370-10000S
ProSUPPORT Maintenance PKGS					
OnCall 24x7 1-year	PMB0311	PMB0311	PMB0311	PMB0311	PMB0311
OnCall 24x7 3-year	PMB0331	PMB0331	PMB0331	PMB0331	PMB0331
OnCall 24x7 5-year	PMB0351	PMB0351	PMB0351	PMB0351	PMB0351

## WIRELESS LAN ANTENNAS AND CABLES

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



MODEL	ANT24501B	ANT224D10	ANT2409	ANT2511AC
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) <sup>1</sup>	11.5 km (7.2 miles) <sup>2</sup>	
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 · Lightning arrestor - N Jack Male to N Jack Male · Extended Cable - N Plug Female	· Antenna - Reverse N female · Lightning arrestor - Reverse N female · Adapter - Reverse SMA	RP SMA-PlugZ (SMA Male Reverse )
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

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

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

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

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

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



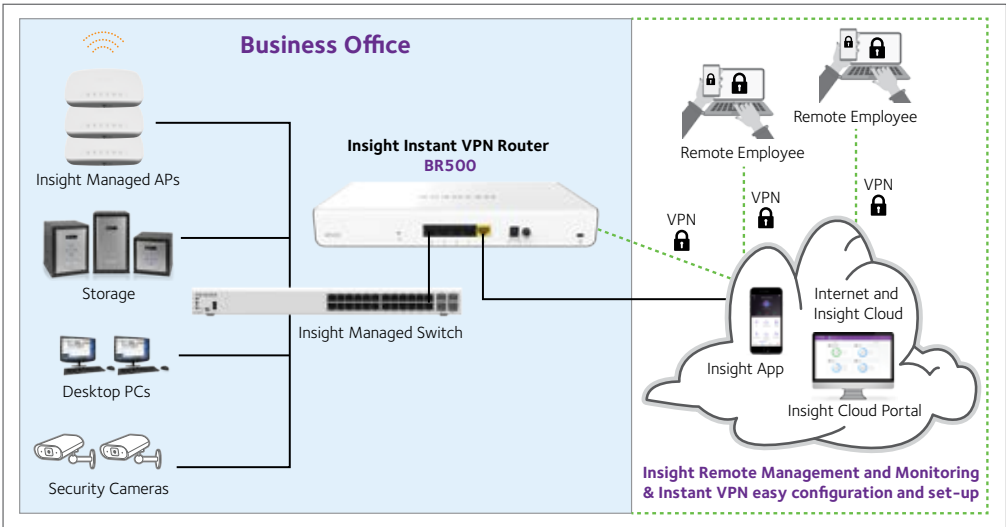
## BUSINESS ROUTERS



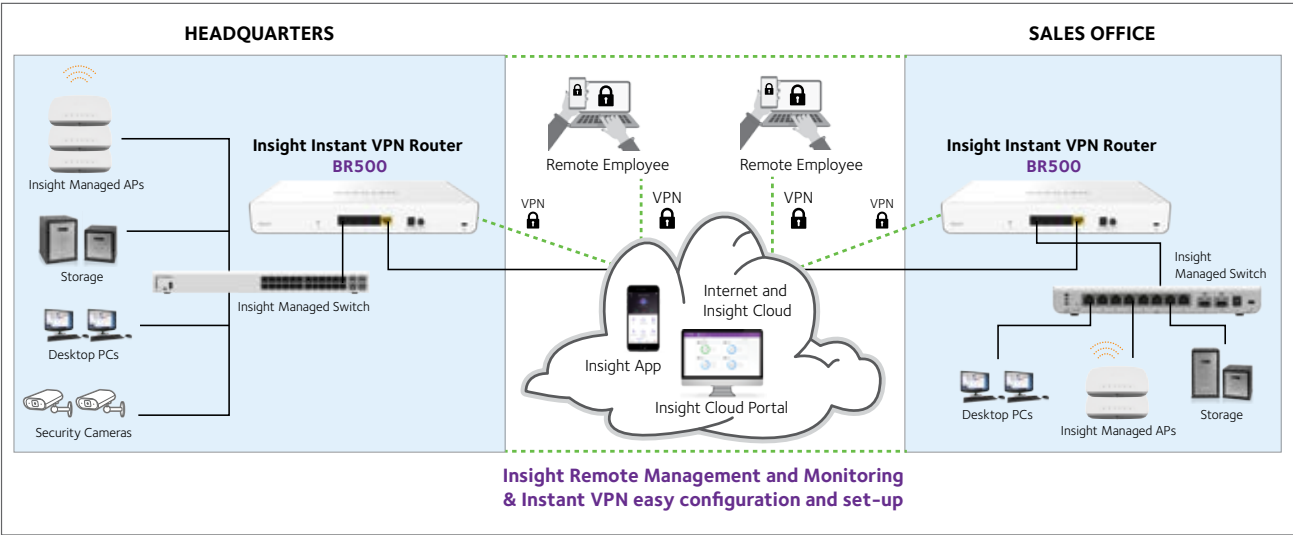
## INSIGHT INSTANT VPN ROUTER

Introducing easy Instant VPN for SMBs

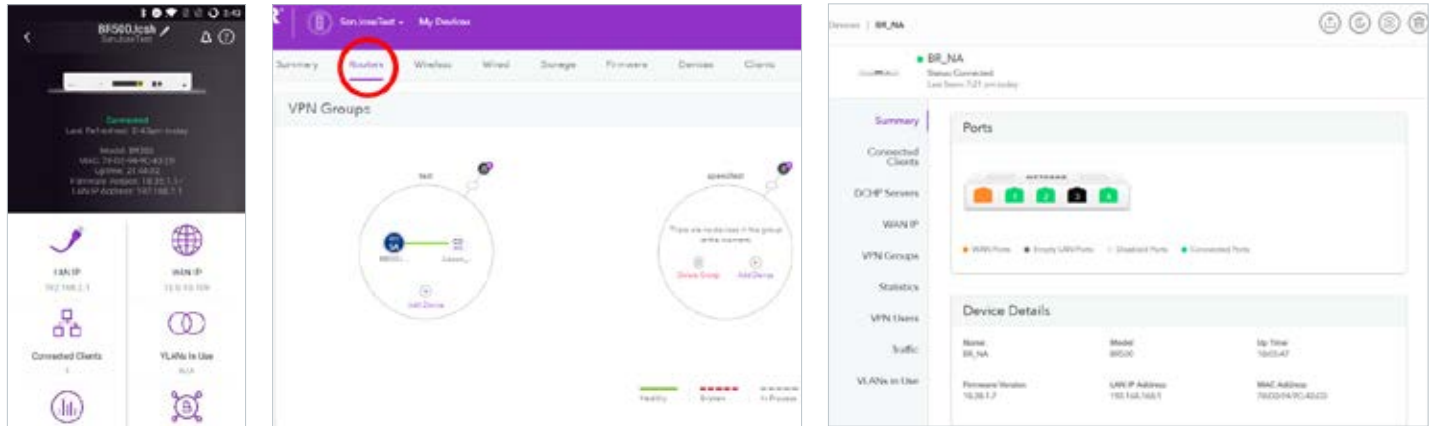
### Secure Remote VPN



### Site-to-Site VPN



Full monitoring and management through NETGEAR Insight app or Cloud Portal



## BUSINESS ROUTERS



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



## STORAGE

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

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

Your data. Your Business. Protected.

### Most secure network storage & back up

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

### Highest performance & access speed

- Fast access to data, more simultaneous users, faster encryption processing for higher security, higher workload virtualization thanks to latest and fastest Intel processor technology
- 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, CIFS/SMB, AFP, HTTP(S), FTP(S), WebDAV	NFS, CIFS/SMB, AFP, HTTP(S), FTP(S), WebDAV	NFS, CIFS/SMB, AFP, HTTP(S), FTP(S), WebDAV	NFS, CIFS/SMB, AFP, HTTP(S), FTP(S), WebDAV
Block Protocols	iSCSI	iSCSI	iSCSI	iSCSI
File System	BTRFS	BTRFS	BTRFS	BTRFS
Supported Drive Types	Desktop SATA	Desktop	Desktop/Enterprise SATA	Desktop/Enterprise SATA
Gigabit Ethernet Ports	2	2	2	2
10G Ethernet Port	0	0	0	0
Supports EDA500 Expansion Chassis	No	No	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	<div>Most versatile and secure remote access:<ul style="list-style-type: none"><li>· ReadyCLOUD Collaboration, Sync &amp; Backup</li><li>· ReadyCLOUD automated VPN</li></ul></div> <div>5-levels of data protection<ul style="list-style-type: none"><li>· XRAID and/or Flex-RAID (model dependent)</li><li>· Protection of data with performance-neutral snapshots</li><li>· Protection against silent data corruption ("Bitrot")</li><li>· Real-time anti-virus</li><li>· Integrated, web-managed replication to the cloud</li></ul></div> <div>ReadyDR - Disaster Recovery Solution<ul style="list-style-type: none"><li>· Incremental backup to another ReadyNAS</li><li>· Easy recovery of full data set</li></ul></div>	<div>Most versatile and secure remote access:<ul style="list-style-type: none"><li>· ReadyCLOUD Collaboration, Sync &amp; Backup</li><li>· ReadyCLOUD automated VPN</li></ul></div> <div>5-levels of data protection<ul style="list-style-type: none"><li>· XRAID and/or Flex-RAID (model dependent)</li><li>· Protection of data with performance-neutral snapshots</li><li>· Protection against silent data corruption ("Bitrot")</li><li>· Real-time anti-virus</li><li>· Integrated, web-managed replication to the cloud</li></ul></div> <div>ReadyDR - Disaster Recovery Solution<ul style="list-style-type: none"><li>· Incremental backup to another ReadyNAS</li><li>· Easy recovery of full data set</li></ul></div>	<div>Most versatile and secure remote access:<ul style="list-style-type: none"><li>· ReadyCLOUD Collaboration, Sync &amp; Backup</li><li>· ReadyCLOUD automated VPN</li></ul></div> <div>5-levels of data protection<ul style="list-style-type: none"><li>· XRAID and/or Flex-RAID (model dependent)</li><li>· Protection of data with performance-neutral snapshots</li><li>· Protection against silent data corruption ("Bitrot")</li><li>· Real-time anti-virus</li><li>· Integrated, web-managed replication to the cloud</li></ul></div> <div>ReadyDR - Disaster Recovery Solution<ul style="list-style-type: none"><li>· Incremental backup to another ReadyNAS</li><li>· Easy recovery of full data set</li></ul></div>	<div>Most versatile and secure remote access:<ul style="list-style-type: none"><li>· ReadyCLOUD Collaboration, Sync &amp; Backup</li><li>· ReadyCLOUD automated VPN</li></ul></div> <div>5-levels of data protection<ul style="list-style-type: none"><li>· XRAID and/or Flex-RAID (model dependent)</li><li>· Protection of data with performance-neutral snapshots</li><li>· Protection against silent data corruption ("Bitrot")</li><li>· Real-time anti-virus</li><li>· Integrated, web-managed replication to the cloud</li></ul></div> <div>ReadyDR - Disaster Recovery Solution<ul style="list-style-type: none"><li>· Incremental backup to another ReadyNAS</li><li>· Easy recovery of full data sett</li></ul></div>
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 RN21221D RN2122D	RN21400 RN2121D RN21442D	RN42200 RN422D2 RN422D4 RN422D6 RN422E4 RN422E6	RN42400 RN424D2 RN424D4 RN424D6 RN424E4 RN424E6
ProSUPPORT Maintenance PKGS				
OnCall 24x7 1-year	PMB0312	PMB0312	PMB0312	PMB0312
OnCall 24x7 3-year	PMB0332	PMB0332	PMB0332	PMB0332
OnCall 24x7 5-year	PMB0352	PMB0352	PMB0352	PMB0352

# ReadyNAS

## Desktop






	ReadyNAS 426	ReadyNAS 428	ReadyNAS 524X	ReadyNAS 526X
Product Description	6-Bay Desktop	8-Bay Desktop	8-Bay Desktop	6-Bay Desktop
Internal Capacity	60 TB	80 TB	40TB	60TB
File Protocols	NFS, CIFS/SMB, AFP, HTTP(S), FTP(S), WebDAV	NFS, CIFS/SMB, AFP, HTTP(S), WebDAV	NFS, CIFS/SMB, AFP, HTTP(S), FTP(S), WebDAV	NFS, CIFS/SMB, AFP, HTTP(S), FTP(S), WebDAV
Block Protocols	iSCSI	iSCSI	iSCSI	iSCSI
File System	BTRFS	BTRFS	BTRFS	BTRFS
Supported Drive Types	Desktop/Enterprise SATA	Desktop/Enterprise SATA	Desktop/Enterprise SATA	Desktop/Enterprise SATA
Gigabit Ethernet Ports	2	2	0	0
1G Ethernet Port			1	
10G Ethernet Port	0	0	1	2 (10GBaseT)
Supports EDA500 Expansion Chassis	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	<div>Most versatile and secure remote access:<ul style="list-style-type: none"><li>· ReadyCLOUD Collaboration, Sync &amp; Backup</li><li>· ReadyCLOUD automated VPN</li></ul></div> <div>5 Levels of data protection:<ul style="list-style-type: none"><li>· XRAID</li><li>· Hourly protection of data with performance-neutral snapshots</li><li>· Real-Time Antivirus</li><li>· Protection against silent data corruption ("Bitrot")</li><li>· Integrated, web-managed replication for disaster recovery or ReadyNAS Vault / backup to the cloud</li></ul></div> <div>ReadyDR - Disaster Recovery Solution<ul style="list-style-type: none"><li>· Incremental backup to another ReadyNAS</li><li>· Easy recovery of full data set</li></ul></div>	<div>Most versatile and secure remote access:<ul style="list-style-type: none"><li>· ReadyCLOUD Collaboration, Sync &amp; Backup</li><li>· ReadyCLOUD automated VPN</li></ul></div> <div>5 Levels of data protection:<ul style="list-style-type: none"><li>· XRAID</li><li>· Hourly protection of data with performance-neutral snapshots</li><li>· Real-Time Antivirus</li><li>· Protection against silent data corruption ("Bitrot")</li><li>· Integrated, web-managed replication for disaster recovery or ReadyNAS Vault / backup to the cloud</li></ul></div> <div>ReadyDR - Disaster Recovery Solution<ul style="list-style-type: none"><li>· Incremental backup to another ReadyNAS</li><li>· Easy recovery of full data set</li></ul></div>	<div>Most versatile and secure remote access:<ul style="list-style-type: none"><li>· ReadyCLOUD Collaboration, Sync &amp; Backup</li><li>· ReadyCLOUD automated VPN</li></ul></div> <div>5-levels of data protection<ul style="list-style-type: none"><li>· XRAID and/or Flex-RAID (model dependent)</li><li>· Protection of data with performance-neutral snapshots</li><li>· Protection against silent data corruption ("Bitrot")</li><li>· Real-time anti-virus</li><li>· Integrated, web-managed replication to the cloud</li></ul></div> <div>ReadyDR - Disaster Recovery Solution<ul style="list-style-type: none"><li>· Incremental backup to another ReadyNAS</li><li>· Easy recovery of full data set</li></ul></div>	<div>Most versatile and secure remote access:<ul style="list-style-type: none"><li>· ReadyCLOUD Collaboration, Sync &amp; Backup</li><li>· ReadyCLOUD automated VPN</li></ul></div> <div>5-levels of data protection<ul style="list-style-type: none"><li>· XRAID and/or Flex-RAID (model dependent)</li><li>· Protection of data with performance-neutral snapshots</li><li>· Protection against silent data corruption ("Bitrot")</li><li>· Real-time anti-virus</li><li>· Integrated, web-managed replication to the cloud</li></ul></div> <div>ReadyDR - Disaster Recovery Solution<ul style="list-style-type: none"><li>· Incremental backup to another ReadyNAS</li><li>· Easy recovery of full data set</li></ul></div>
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	PMB0313	PMB0313	PMB0313	PMB0313
OnCall 24x7 3-year	PMB0333	PMB0333	PMB0333	PMB0333
OnCall 24x7 5-year	PMB0353	PMB0353	PMB0353	PMB0353

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

# ReadyNAS





## Desktop

			
	ReadyNAS 528X	ReadyNAS 626X	ReadyNAS 628X
Product Description	8-Bay Desktop	6-Bay Desktop	8-Bay Desktop
Internal Capacity	80TB	60TB	80TB
File Protocols	NFS, CIFS/SMB, AFP, HTTP(S), FTP(S), WebDAV	NFS, CIFS/SMB, AFP, HTTP(S), FTP(S), WebDAV	NFS, CIFS/SMB, AFP, HTTP(S), FTP(S), WebDAV
Block Protocols	iSCSI	iSCSI	iSCSI
File System	BTRFS	BTRFS	BTRFS
Supported Drive Types	Desktop/Enterprise SATA	Desktop/Enterprise SATA	Desktop/Enterprise SATA
Gigabit Ethernet Ports	0	2	2
10G Ethernet Port	2	2	2
Supports EDA500 Expansion Chassis	Yes. Not Recommended for High Performance Applications	Yes. Not Recommended for High Performance Applications	Yes. Not Recommended for High Performance Applications
Reliability Features	Hot Swappable Disks Network Failover ECC Memory	Hot Swappable Disks Network Failover ECC Memory	Hot Swappable Disks Network Failover ECC Memory
CPU	Intel Server Processor D-1508 Dual Core 2.2GHz	Intel Xeon Server Processor D-1521 Quad Core 2.4GHz	Intel Xeon Server Processor D-1521 Quad Core 2.4GHz
Memory	4GB DDR4 with ECC	8GByte DDR4 with ECC	8GByte DDR4 with ECC
RAID Level Supported	RAID 0,1,5,6,10, 50, 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	PMB0313 PMB0333 PMB0353	PMB0313 PMB0333 PMB0353	PMB0313 PMB0333 PMB0353
OnCall 24x7 1-year			
OnCall 24x7 3-year			
OnCall 24x7 5-year			

\*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, CIFS/SMB, AFP, HTTP(S), FTP(S), WebDAV	NFS, CIFS/SMB, AFP, HTTP(S), FTP(S), WebDAV	NFS, CIFS/SMB, AFP, HTTP(S), FTP(S), WebDAV	NFS, CIFS/SMB, AFP, HTTP(S), FTP(S), WebDAV
Block Protocols	iSCSI	iSCSI	iSCSI	iSCSI
File System	BTRFS	BTRFS	BTRFS	BTRFS
Supported 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 Atom C2558 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	PMB0312 PMB0332 PMB0352	PMB0313 PMB0333 PMB0352	PMB0313 PMB0333 PMB0352	PMB0314 PMB0334 PMB0354
OnCall 24x7 3-year				
OnCall 24x7 5-year				

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



# 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, CIFS/SMB, AFP, HTTP(S), FTP(S), WebDAV	NFS, CIFS/SMB, AFP, HTTP(S), FTP(S), WebDAV	NFS, CIFS/SMB, AFP, HTTP(S), FTP(S), WebDAV	NFS, CIFS/SMB, AFP, HTTP(S), FTP(S), WebDAV
Block Protocols	iSCSI	iSCSI	iSCSI	iSCSI
File System	BTRFS	BTRFS	BTRFS	BTRFS
Supported 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

# ProSUPPORT for Business

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

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

### More Than Just Support – A Business Partnership

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

### OnCall 24x7 Tech Support

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

### Professional Configuration and Setup Assistance

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

### Extended Warranty with Next Business Day Replacement

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

Zero Cost				Premium	
	Warranty Hardware & Software	90-day FREE Technical Support	*Limited Lifetime ProSAFE Online Technical Support	ProSUPPORT OnCall 24x7 Technical Support	ProSUPPORT Extended Hardware Warranty
Products Covered	ALL NETGEAR Business Products	ALL NETGEAR Business Products	Select NETGEAR Business Switches	• All NETGEAR Business Products • Paid Support Package Varies by Products	Select NETGEAR Business Products
Hardware Replacement	YES Next Business Day	N/A	N/A	N/A	YES Next Business Day
Software Feature Updates	YES	YES	YES	YES	YES
Support by Email	N/A	YES	YES	YES	N/A
Support by Chat	N/A	YES	YES	YES	N/A
Support by Phone	N/A	YES	N/A	YES	N/A

\*This product comes with a limited warranty that is valid only if purchased from a NETGEAR authorized reseller, and covers unmodified hardware, fans and internal power supplies—not sware or external power supplies, and requires product registration at <https://www.netgear.com/business/registration> within 90 days of purchase; see <https://www.netgear.com/about/warranty> for details.