

NETGEAR[®]

BUSINESS

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

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

Follow us on:

-  [Linkedin.com/company/netgear](https://www.linkedin.com/company/netgear)
-  [Facebook.com/netgear](https://www.facebook.com/netgear)

NETGEAR[®] | Switching Product Catalog / Volume 18 - 2

NETGEAR[®]

BUSINESS

Switching Product Catalog

Solutions for all businesses,
designed with simplicity in
mind without big IT cost.

Volume 18 - 2

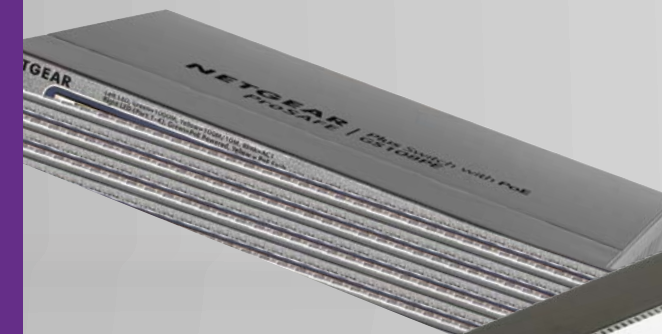
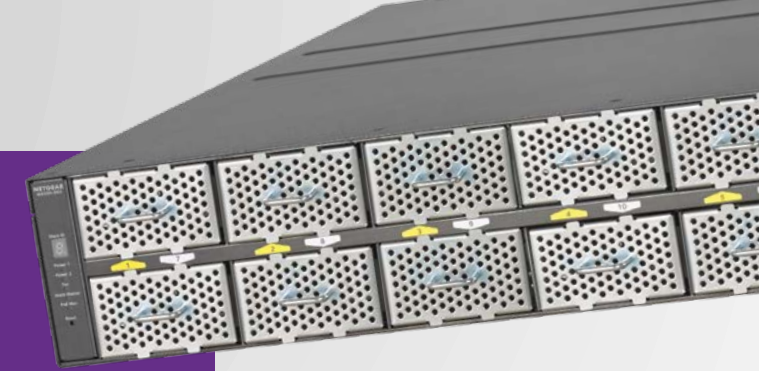


TABLE OF CONTENTS

INTRODUCTION

Network Solutions	3
-------------------	---

SWITCHES

Switch Introduction	7
Unmanaged Switches	20
Smart Managed Plus	27
Smart Managed Pro	32
Smart Cloud Switches	42
Fully Managed Switches	45
Modules and Accessories for Switches	52

SUPPORT

ProSupport for Business	55
-------------------------	----

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



NETGEAR SWITCHES

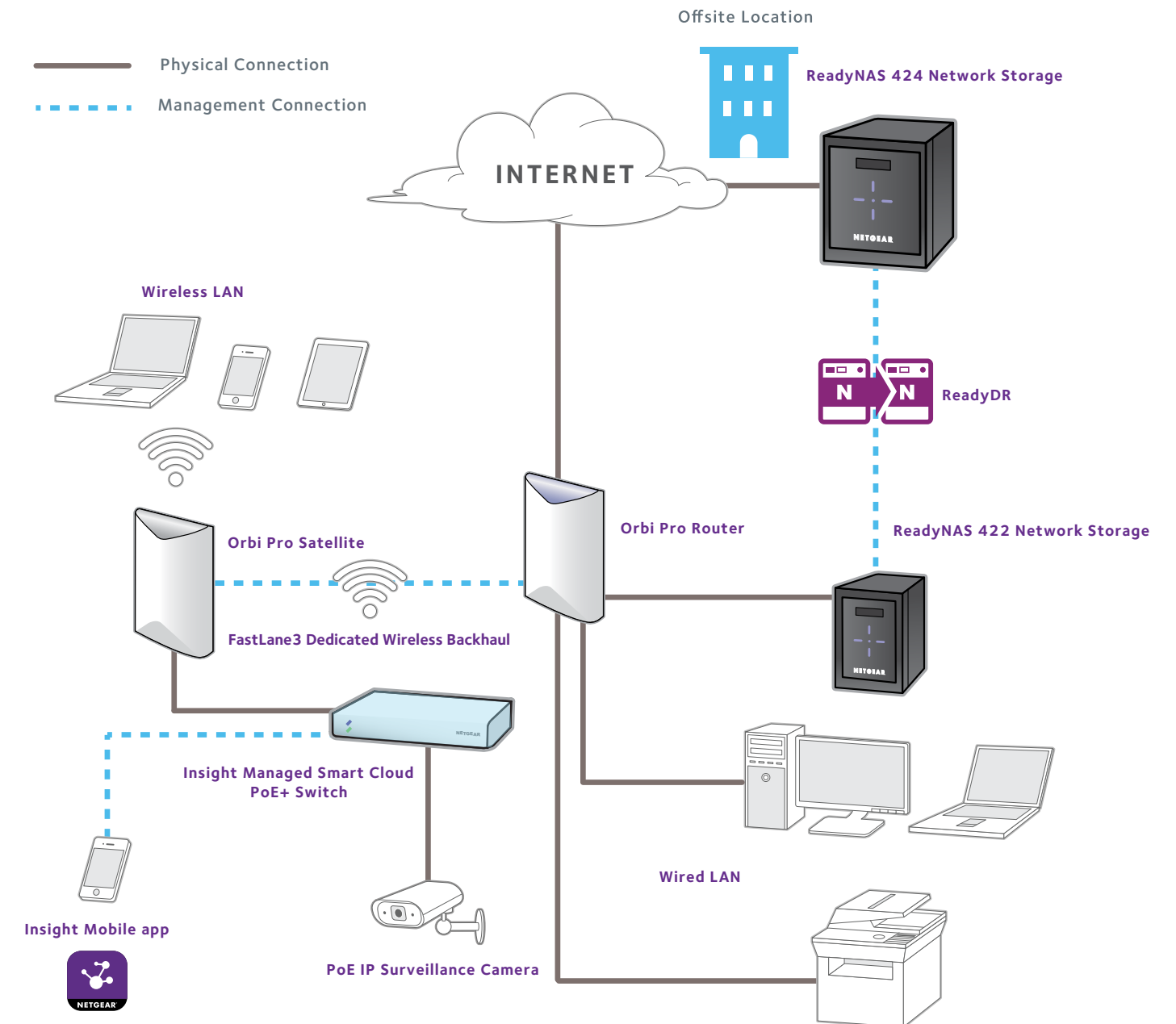
Get the most comprehensive and versatile switching portfolio

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



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

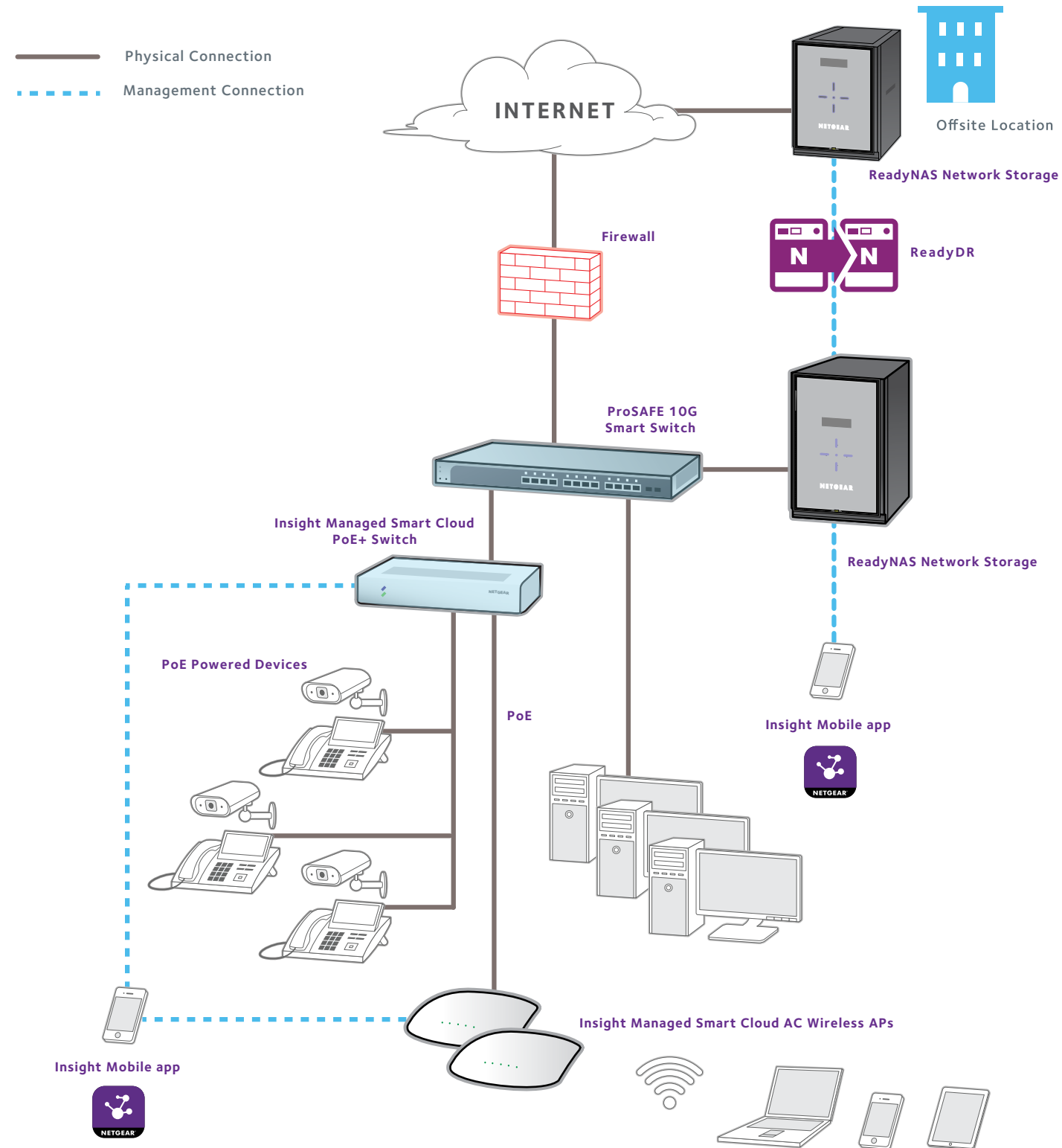
Connection Setup





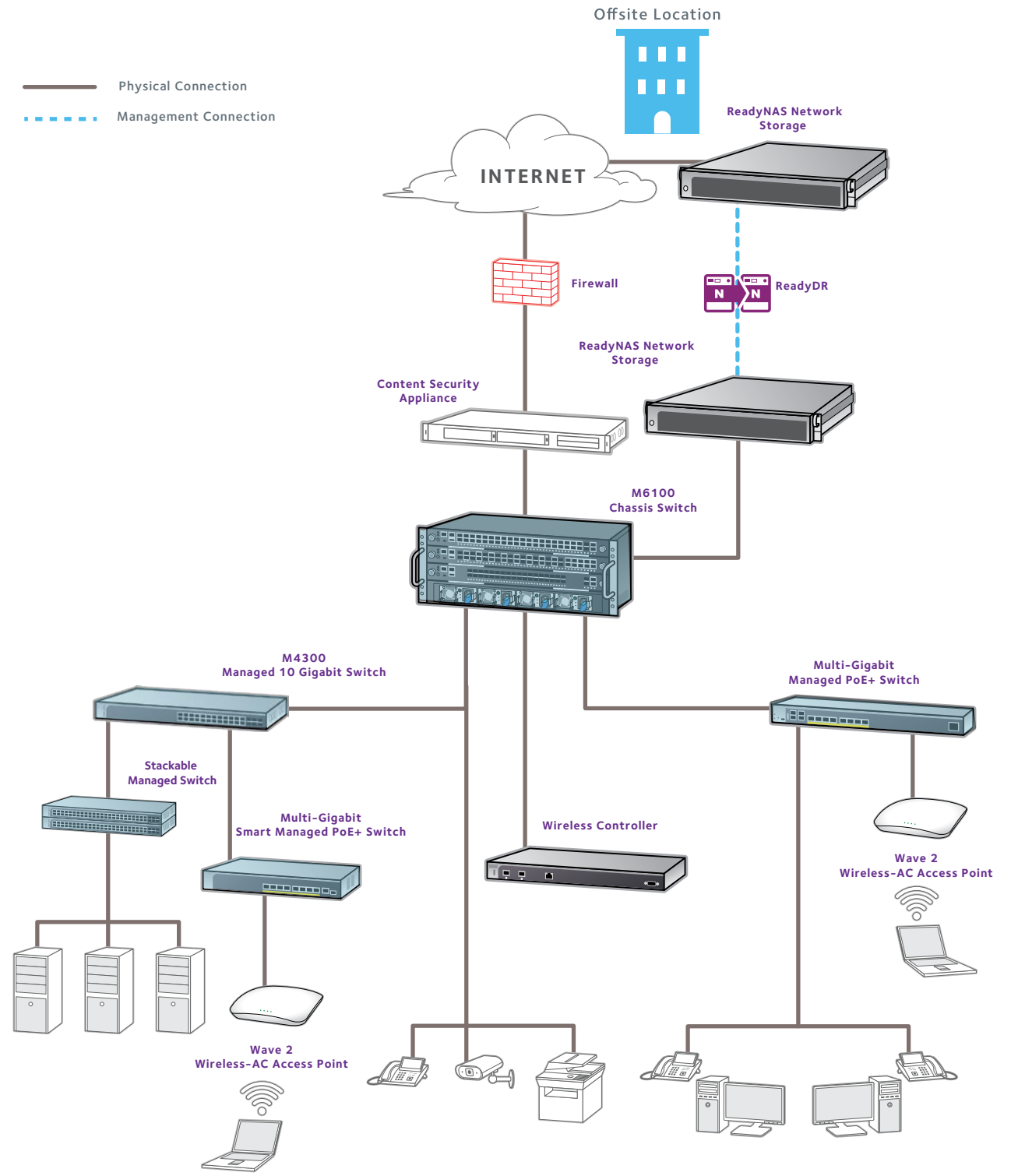
WIRED SOLUTION INSIGHT, 5-150 USERS

Connection Setup



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

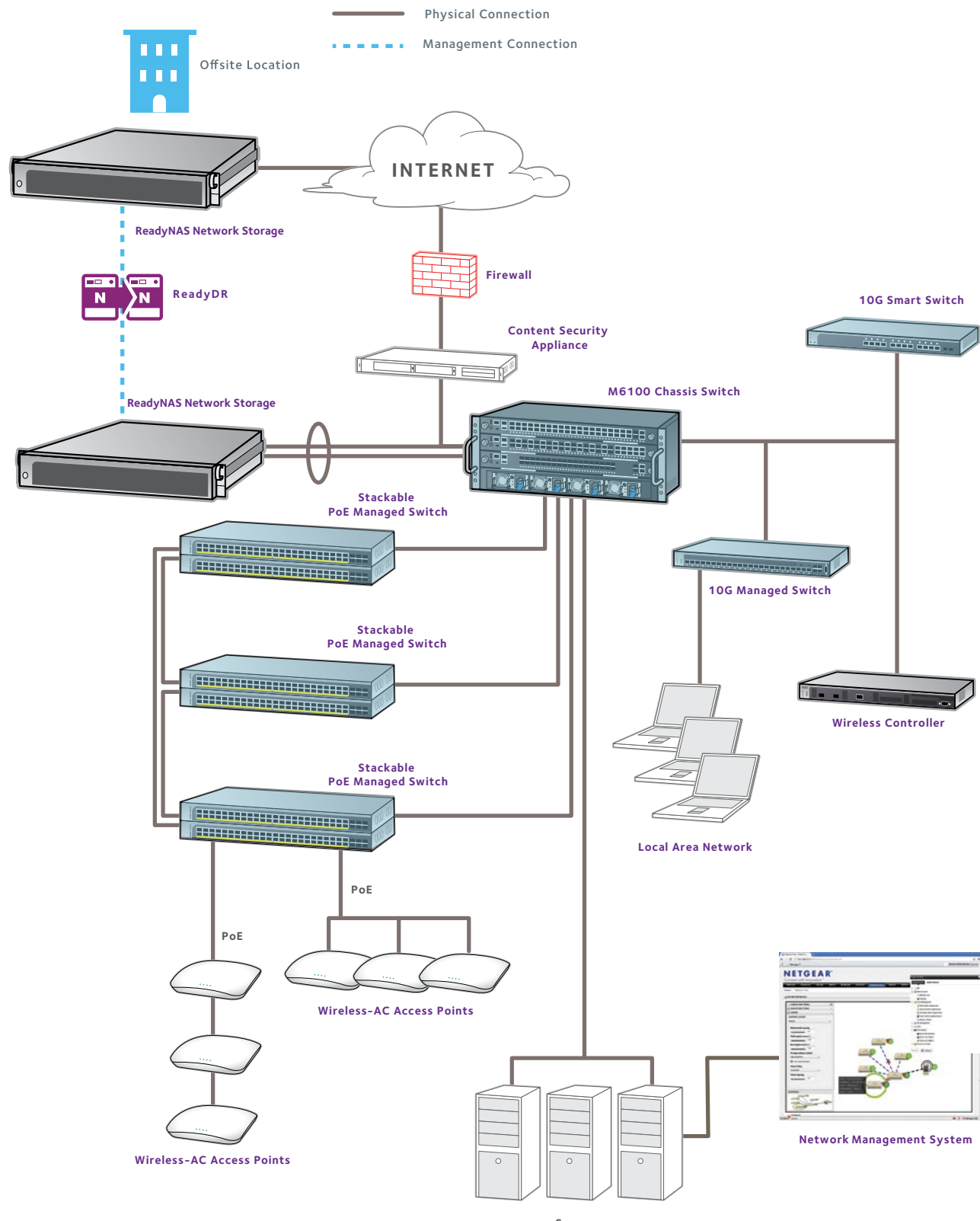
Connection Setup





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

Connection Setup



NETGEAR FEATURES THE MOST COMPREHENSIVE, SCALABLE AND AFFORDABLE SWITCHING PORTFOLIO

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

UNMANAGED

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

SMART MANAGED PLUS

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

SMART MANAGED PRO

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

SMART CLOUD

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

FULLY MANAGED

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

CHASSIS

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

Just pick the switch that's best for you!

	UNMANAGED	SMART MANAGED PLUS	SMART MANAGED PRO	SMART CLOUD	FULLY MANAGED	CHASSIS
Customer	Small			Small		
Switching	L2			L2+/Lite L3		L2+/L3
10/100	FS/JFS Series		FS Series		M4100	
GbE	200/600	300	100	500	Click	100
10GbE		XS708Ev2	XS716E		GS Series	GS Series
Multi-gig	XS505/8M and GS110MX		GS110EMX	XS512EM/724EM	MS Series	
Management	NMS300			Insight	NMS300	

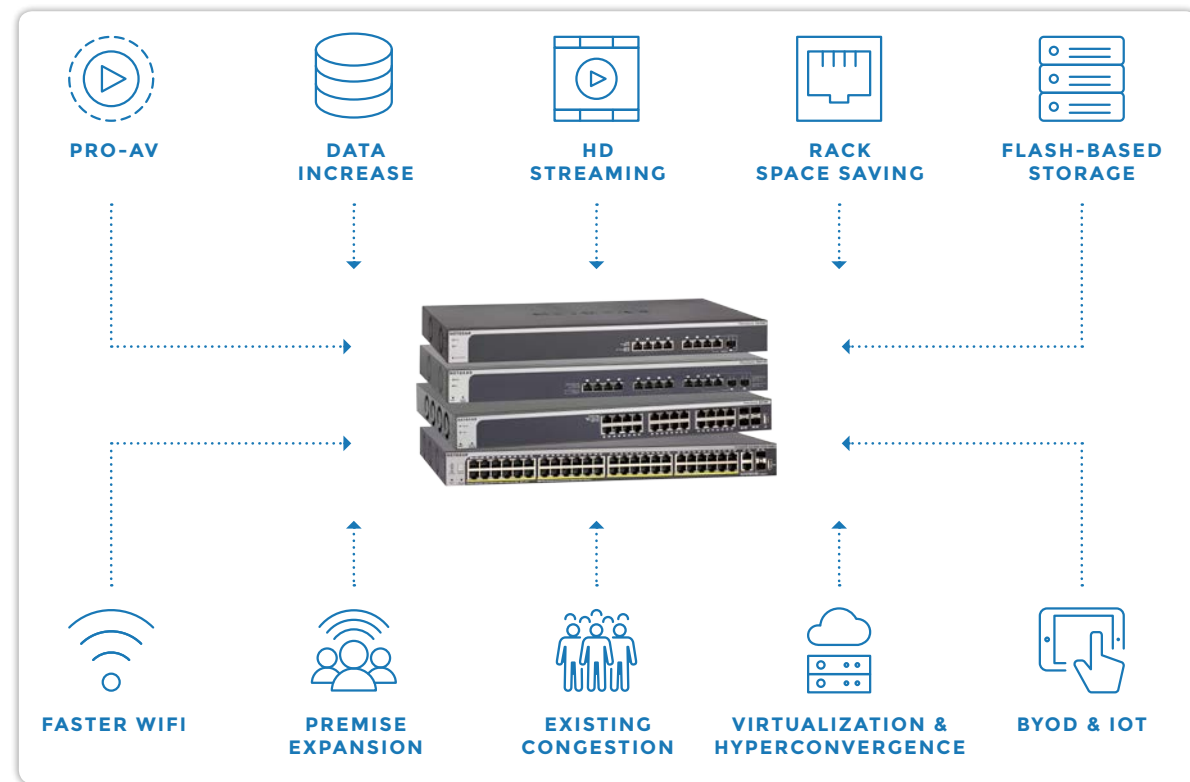
EXPERIENCE THE MOST COMPREHENSIVE AND AFFORDABLE FULL 10-GIGABIT BUSINESS SWITCH PORTFOLIO

Connectivity matters more every day!

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

10 drivers for 10-Gigabit networking

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



NETGEAR 10-Gigabit Portfolio

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

Follow the X!

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



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

FULL 10-GIGABIT X MODELS

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

STACKABLE M4300 SERIES MODELS

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



NETGEAR INDUSTRY-FIRST CLICK & EASY-MOUNT SWITCHES

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



Click Switch Deployment Innovation

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

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



Easy-Mount "Virtually Anywhere" Mounting System

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

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



Just pick the one that fits your needs!

CLICK SWITCH

EASY-MOUNT SWITCH/RACKMOUNT & BACK TO BACK IN 1U

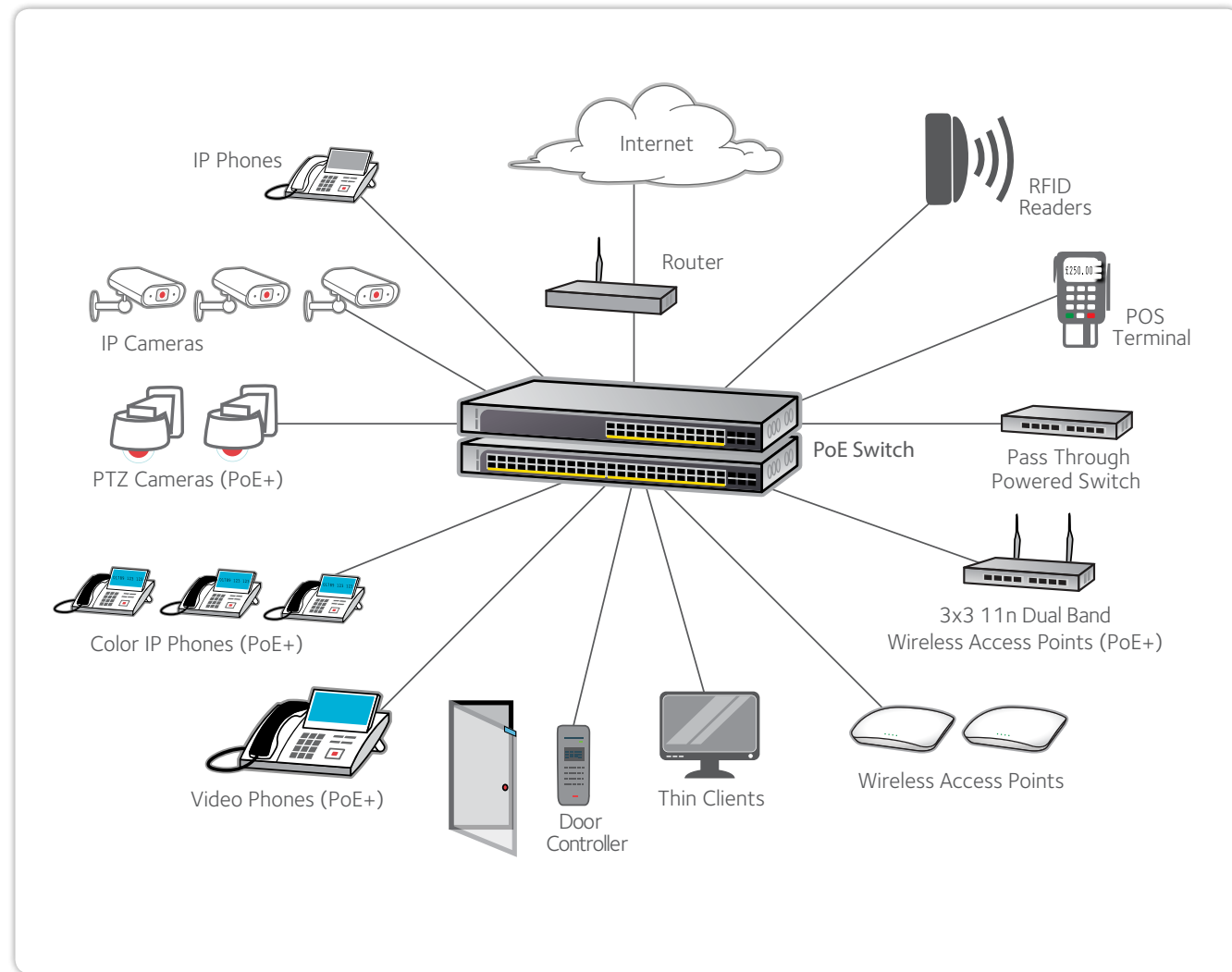


MODEL	GSS108E	GSS116E	GSS108EPP	GS408EPP	GS418TPP	M4200-10MG-POE+
Description	8-port Gigabit Click Switch w/2 USB charging ports	16-port Gigabit Click Switch	8-port Gigabit Click Switch w/4-port PoE+	8-port PoE+ Gigabit Easy-Mount Switch	Easy-Mount 16-Port PoE+ Gigabit Smart Managed Pro Switch with 2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

RELIABLE, AFFORDABLE, SIMPLE POE SOLUTIONS FOR YOUR BUSINESS

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

PoE APPLICATIONS



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

NETGEAR SWITCHES WITH POE/POE +/- UPOE

MODEL	PORTS	POE PORTS	POE BUDGET
UNMANAGED SWITCHES			
FS108P	8 x FE	4	53W
FS116P	16 x FE	8	70W
GS305P	5 x GbE	4	55.5W
GS308	8 x GbE	4	53W
GS108PP	8 x GbE	8 (PoE+)	123W
SMART MANAGED PLUS SWITCHES			
GS105PE* (PD-Powered Device ONLY - NO AC POWER)	5 x GbE	2 x PoE, 1 x PD	up to 19W with 802.3at power in, up to 7.9W with 802.3af power in
GS108PE	8 x GbE	4	53W
GSS108EPPP	8 x GbE	4 (PoE+)	47W
GS408EPPP	8 x GbE	8 (PoE+)	124W
JGS516PE	16 x GbE	8	85W
JGS524PE	24 x GbE	12	100W
SMART MANAGED PRO SWITCHES			
GS110TP	8 x GbE + 2 SFP	8	46W
GSS10TLP	8 x GbE + 2 SFP	8 (PoE+)	75W
GS510TP	8 x GbE + 2 SFP	8 (PoE+)	130W
GS510TPP	8 x GbE + 2 SFP	8 (PoE+)	190W
MSS10TXPP	4 x GbE + 2 x 2.5GbE + 2 x 5GbE + 1 x 10GBASE-T + 1 x SFP+	8 (PoE+)	180W
GS516TP	16 x GbE	8 x PoE, 2 x PD	76W (AC in), 22W (2x802.3at in), 11W (1x802.3at + 1x802.3af in)
GS418TPP	16 x GbE + 2 SFP	16 (PoE+)	240W
FS728TLP	24 x FE + 2 x GbE + 2 Combo SFP	12	100W
FS728TP	24 x FE + 2 x GbE + 2 x Combo SFP	24	192W
GS724TPv2	24 x GbE and 2 GbE dedicated SFP	24 (PoE+)	190W
GS728TP	24 x GbE and 4 GbE dedicated SFP	24 (8 PoE+)	192W
GS728TPv2	24 x GbE and 4 GbE dedicated SFP	24 PoE+	190W
GS728TPP	24 x GbE and 4 GbE dedicated SFP	24 PoE+	384W
GS728TPPv2	24 x GbE and 4 GbE dedicated SFP	24 PoE+	380W
GS752TP	48 x GbE and 4 GbE dedicated SFP	48 (8 PoE+)	384W
GS752TPv2	48 x GbE and 4 GbE dedicated SFP	48 PoE+	380W
GS752TPP	48 x GbE and 4 GbE dedicated SFP	48 PoE+	760W
STACKABLE SMART MANAGED PRO SWITCHES			
S3300-28X-POE+ (GS728TXP)	24 x GbE + 4 Dedicated 10G ports (2 RJ45 + 2 SFP+)	24 (PoE+)	195W and up to 720W with RPS
S3300-52X-POE+ (GS752TXP)	48 x GbE + 4 Dedicated 10G ports (2 RJ45 + 2 SFP+)	48 (PoE+)	390W and up to 1400W with RPS
GS752TPSB (incl. AGC761 stacking cable)	48 x GbE and 2 Combo SFP and 4 Dedicated 1G/2.5G SFP	48 (8 PoE+)	384W
SMART CLOUD MANAGED SWITCHES			
GC110P	8 x GbE + 2 x 1G SFP	8	62W
GC510P	8 x GbE + 2 x 1G SFP	8 (PoE+)	134W
GC510PP	8 x GbE + 2 x 1G SFP	8 (PoE+)	195W
GC728XP	24 x GbE + 2 x 1G SFP + 2 x 10G SFP+	24 (PoE+)	390W
M4100 SERIES MANAGED SWITCHES (L2+ STANDALONE)			
M4100-12GF (GSM7212F)	12 x GbE with 12 shared SFP and 4 GbE PoE+	4 (PoE+)	150W
M4100-26G-POE (GSM7226LP)	26 x GbE + 4 Combo SFP	24	192W and up to 380W with EPS
M4100-24G-POE+ (GSM7224P)	24 x GbE + 4 Combo SFP	24 (PoE+)	380W and up to 720W with EPS
M4100-50G-POE+ (GSM7248P)	50 x GbE + 4 Combo SFP	48 (PoE+)	380W and up to 1,440W with EPS
M4200 SERIES INTELLIGENT EDGE MANAGED SWITCHES (L2+ L3 MULTI-GIGABIT)			
M4200-10MG-POE+ (GSM4210P)	8 x 2.5G + 2 x 10GBASE-T	8 (PoE+)	240W
M4300 SERIES INTELLIGENT EDGE MANAGED SWITCHES (L2+ L3 STACKABLE)			
M4300-28G-POE+ (GSM4328PA)	24 x GbE + 2 x 10GBASE-T + 2 x 10GBASE-X SFP+	24 (PoE+)	480W 1 PSU (APS550W) 720W 2 PSUs
M4300-28G-POE+ (GSM4328PB)	24 x GbE + 2 x 10GBASE-T + 2 x 10GBASE-X SFP+	24 (PoE+)	630W (110V) 720W (220V) 1 PSU (APS1000W) 720W 2 PSUs
M4300-52G-POE+ (GSM4352PA)	48 x GbE + 2 x 10GBASE-T + 2 x 10GBASE-X SFP+	48 (PoE+)	480W 1 PSU (APS550W) 720W 2 PSUs
M4300-52G-POE+ (GSM4352PB)	48 x GbE + 2 x 10GBASE-T + 2 x 10GBASE-X SFP+	48 (PoE+)	591W (110V) 860W (220V) 1 PSU (APS1000W) 1010W (110V) 1440W (220V) 2 PSUs
M4300-96X (XSM4396K0)	Up to 96 x 10GBASE-T or SFP+; up to 24 x QSFP+	48 (PoE+)	484W (110V) 634W (220V) 1 PSU (APS1200W) 1440W (2 PSU) (APS1200W)
M6100 SERIES CAMPUS EDGE AND SMB CORE CHASSIS SWITCHES			
XCM89P	PoE/PoE+ daughter card for XCM8944 & XCM8948	Up to 136 PoE+	Up to 30W per port
XCM89UP	PoE/PoE+ & UPOE daughter card for XCM8944 & XCM8948	Up to 136 UPOE	Up to 60W per port

Switch Naming Convention

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

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

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

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

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

- Fast Ethernet
 - Gigabit Ethernet
 - Smart Cloud Gigabit Ethernet
 - Multigigabit Ethernet (5-speed)
 - 10-Gigabit Ethernet
 - Series (see below for legend)
 - Number of Ports
 - Smart Managed ProStackable
 - 10-Gigabit uplinks
 - Low Power PoE
 - PoE or PoE+
 - High Power PoE or PoE+
 - Stackable
- *Note: S3300 (GS728X/XP & GS752X/XP) are also stackable.

Fully Managed Switches – How to read the product code

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

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

Legend

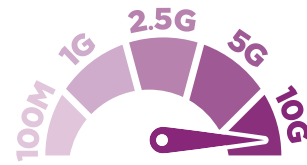
- 1 = Desktop (ProSAFE, Insight)
- 2 = Desktop Essentials (Plastic)
- 3 = Desktop Essentials (Metal)
- 4 = Easy-Mount
- 5 = Desktop/Rackmount (13")
- 6 = Desktop SOHO (Plastic)
- 7 = Rackmount (17")
- 8 = Nighthawk Pro Gaming (Desktop)
- 9 = Desktop Lifestyle (Plastic)

A SHORT GUIDE TO NETGEAR SWITCHES MANAGEMENT

Just pick the type of management that is right for you

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

UNLOCK YOUR NETWORK POTENTIAL WITH 5-SPEED NETWORKING!



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

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

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

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

Give the speed that your devices need



5 TIMES FASTER USING THE SAME CABLING

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

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

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

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

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

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

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



Matrix switching challenges

Lack of scalability

- No I/O flexibility - 32x32, 64x64 limits
- No flexibility when adding ports or upgrading resolution (4K, 8K)

Proprietary technology & lack of compatibility

- No possibility to mix different AV vendors
- Slower adoption by the IT community

Complex deployment

- Complicated programming required
- Complex firmware updates

AV-over-IP with NETGEAR

Unprecedented cost savings

- 16x16 matrix switcher = \$1250 per port
- NETGEAR 10-Gigabit switches < \$100 per port

Increased I/O flexibility & scalability

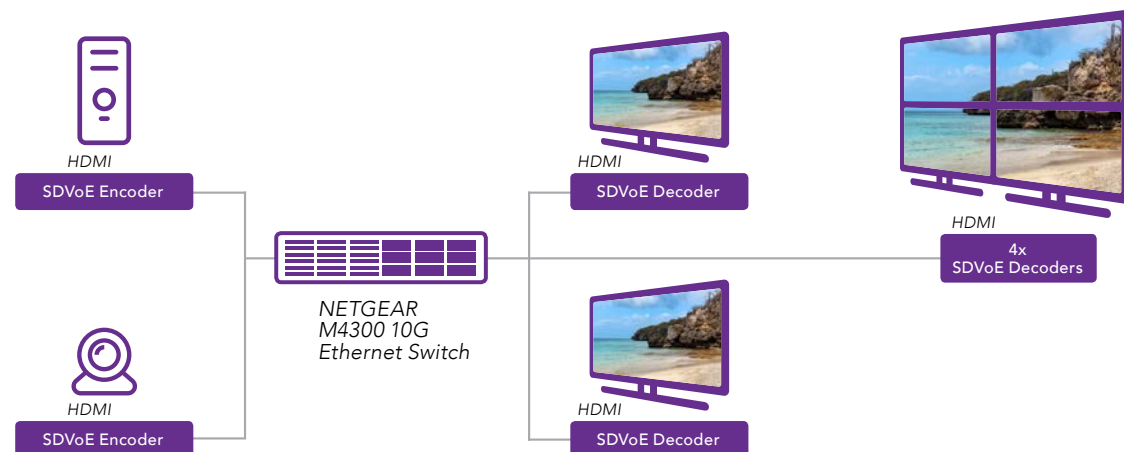
- Ethernet ports are fully bi-directional so each port may be treated as an AV input or an AV output.
- Flexible 1x23, 6x18, 4x20 are all possible.

Pre-configured – Plug and Play

- Firmware optimized for 4K60 video out of the box
- SDVoE-ready with pre-configured Multicast/IGMP

More business with more profits

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



M4300 series



Pre-configured AV-over-IP switches

Large portfolio of ProAV switches

- 8 to 96 ports of 10G, combined copper and fiber

Zero-Touch installation

- Pre-configured Multicast/ IGMP

Best-In-Class stacking

- high-availability stacking between 10G & 1G

Prosafe Lifetime Limited Warranty

- Next Business Day Replacement, Lifetime Online chat support

M4300-96X focus

Unique 10G / 40G modular solution

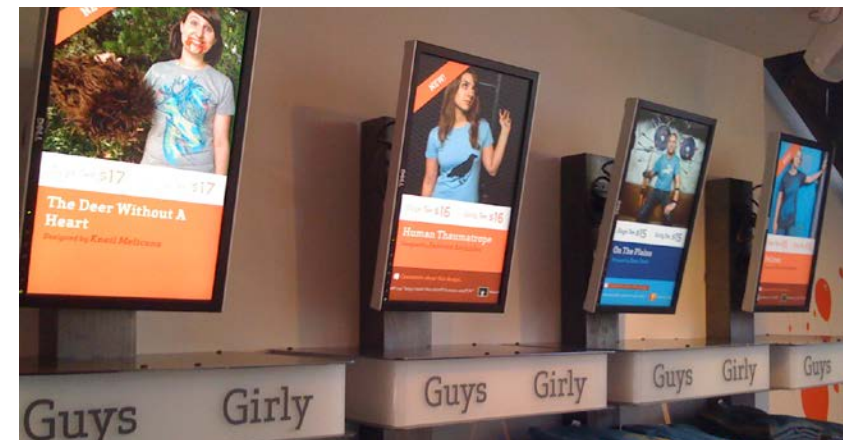
- 8 to 96 ports of 10G and from 2 to 24 ports of 40G, PoE options

Scalable

- Replaces 8x8, 12x12, 16x16, 24x24 and 48x48 matrix switchers with a single switch

High-capacity

- Even up to a 72x72 equivalent configuration with high-performance stacking



NETGEAR – SDVoE* founding member



SDVoE mission

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

*Software-Defined Video over Ethernet www.sdvoe.org

Get help from our experts

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

WHY CUSTOMERS CHOOSE NETGEAR UNMANAGED SWITCHES

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

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

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

Discover the 10 reasons why our customers love NETGEAR Unmanaged Switches

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

Unmanaged Switches

Unmanaged, L2, 10/100 Fast Ethernet



MODEL		FS105	FS108	FS108P	FS116
Port Configuration	10/100 RJ45 Ports (Auto Uplink)	5	8	8	16
	10/100/1000 RJ45 Ports (Auto Uplink)				
PoE	Power Over Ethernet			4	
	802.3af Ports				
	PoE Plus (30W) 802.3at Ports				
	Total PoE/PoE+ Power Budget			53 Watts	
Scalability	# MAC Addresses	2,000	2,000	1,000	8,000
	MAC Address Aging (sec)	289 sec	292 sec		200-300 sec
Quality of Service	Number of Priority Queues			2	2
	Traffic Prioritization			Honors 802.1p Priority Tags	Honors 802.1p Priority Tags
Multicast Filtering	IGMP Snooping Version				
Performance	Bandwidth	1 Gbps	1.6 Gbps	1.6 Gbps	3.2 Gbps
	Buffer Memory	48KB Per System	Not Supported	96 KB Per System	160 KB Per System
	Jumbo Frames	2,048 bytes	2,048 bytes	Not Supported	Not Supported
Energy Efficiency	IEEE 802.3az	Supports	Supports	Supports	
	Auto Port Power Down	Supports	Supports	Supports	
	Max Power Consumption	0.9 Watts	1.01 Watts	Only 3.1 Watts. PoE Delivery - 56.1 Watts Max	5.46 Watts
Physical	Desktop/Rackmount/Click	D	D	D	D
	Metal/Plastic Enclosure	M	M	M	M
	MTBF at 25°C	4,262,794 Hours	4,015,496 Hours	927,000 Hours	4,046,880 Hours
	Acoustic Noise	0dB	0dB	0dB	0dB
	Fan	none	none	none	none
	Width x Depth x Height	94 x 101 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.)	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	0.25 kg (0.55 lb)	0.47 kg (1.04 lb)	0.50 kg (1.10 lb)	0.80 kg (1.8 lb)
Electromagnetic Compliance	Class (A or B)	B	B	B	A
Warranty Hardware		Lifetime	Lifetime	Lifetime	Lifetime
Warranty Power Supply		2 Year	2 Year	2 Year	2 Year
ProSUPPORT™ Maintenance PKGS	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, Gigabit Unmanaged, L2, 10/100 Fast Ethernet Unmanaged, L2, Gigabit



MODEL	JFS524	FS116P	GS116	
Port Configuration	10/100 RJ45 Ports (Auto Uplink)	24		
	10/100/1000 RJ45 Ports (Auto Uplink)		16	
PoE	Power Over Ethernet 802.3af Ports	8		
	PoE Plus (30W) 802.3at Ports			
	Total PoE/PoE+ Power Budget	70 Watts		
Scalability	# MAC Addresses	8,000	8,000	
	MAC Address Aging (sec)		typical 300sec	
Quality of Service	Number of Priority Queues	4	2	
	Traffic Prioritization	Honors 802.1p Priority Tags	Honors 802.1p Priority Tags	
Multicast Filtering	IGMP Snooping Version			
Performance	Bandwidth	4.8 Gbps	3.2 Gbps	
	Buffer Memory	256KB Per system	256 KB Per System	
	Jumbo Frames	4.8 Gbps	Not Supported	
Energy Efficiency	IEEE 802.3az	Supports	Supports	
	Auto Port Power Down		Supports	
	Max Power Consumption	4 Watts	10.0 Watts (no PoE) 80.0 Watts (with PoE max)	
Physical	Desktop/Rackmount/Click	R	D	
	Metal/Plastic Enclosure	M	M	
	MTBF at 25°C	2,940,540 Hours	546,673 Hours	
	Acoustic Noise	0dB	0dB	
	Fan	none	none	
	Width x Depth x Height	280 x 126 x 44 mm (11.0 x 5.0 x 1.7 in.)	286 x 102 x 27 mm (11.3 x 4 x 1.1 in.)	286 x 102 x 27 mm (11.2 x 4 x 1.1 in.)
	Weight	0.54 kg (1.19 lb)	0.9 kg (1.98 lb)	0.9 kg (1.98 lbs)
Electromagnetic Compliance	Class (A or B)	A	A	
Warranty Hardware	Lifetime	Lifetime	Lifetime	
Warranty Power Supply	Lifetime	2 Year	2 Year	
ProSUPPORT Maintenance PKGS	OnCall 24x7 1-year	PMB0S12	PMB0S11	PMB0S12
	OnCall 24x7 3-year	PMB0S32	PMB0S31	PMB0S32
	OnCall 24x7 5-year	PMB0S52	PMB0S51	PMB0S52

Unmanaged Switches

Unmanaged, L2, Gigabit



MODEL	GS105	GS108	GS108PP	JGS516	JGS524
Port Configuration	10/100 RJ45 Ports (Auto Uplink)				
	10/100/1000 RJ45 Ports (Auto Uplink)	5	8	8	24
	Fiber Ports				
PoE	10Gig Module Bays				
	# of PoE ports			8	
	# of PoE+ (802.3at) ports			8	
	# of PD port			-	
Scalability	Total PoE Power Budget (Watts)			120W	
	# MAC Addresses	2,000	4,000	4,000	8,000
	MAC Address Aging (sec)	typical 300sec		300 sec	typical 300sec
Quality of Service	Number of Priority Queues	4	4	4	4
	Traffic Prioritization	Honors 802.1p priority tags	Honors 802.1p priority tags	Honors 802.1p priority tags	Honors 802.1p priority tags
	Auto Voice VLAN				
Multicast Filtering	802.1p-based QoS/CoS Supported				
Multicast Filtering	IGMP Snooping Version				
Performance	Bandwidth	10 Gbps	16 Gbps	16 Gbps	256 KB Per System
	Buffer Memory	9,216 bytes	9,720 bytes	192 KB	9,216 bytes
	Jumbo Frames	•	•	9,216 bytes	•
Energy Efficiency	IEEE 802.3az	•	•	•	•
	Auto Port Power Down	•	•	•	•
	Max Power Consumption	2.7 Watts	4.92 Watts	130 Watts	11.8 Watts
	Short Cable Detection/ Power Saving			•	
Physical	Power Adapter / DC Input (V/A)			External Input 54V 2.4A Input 54V 1.66A Input 54V 1.25A	
	Desktop/Rackmount/Click	D	D	D/R/Wall-mount	R
	Metal/Plastic Enclosure	M	M	M	M
	MTBF at 25°C	3,197,945 Hours	9,727,733 Hours	2752476 hours	441,123 Hours
	Acoustic Noise	0dB	0dB	0dB	0dB
	Fan	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 (9.29 x 4.02 x 1.06 in)	328 x 169 x 43 mm (12.9 x 6.7 x 1.7 in.)
	Weight	0.264 kg (0.58 lb)	0.52 kg (1.15 lb)	0.59 kg (1.30 lb)	1.47 kg (3.57 lb)
	Electromagnetic Compliance	Class (A or B)	B	B	A
	Warranty Hardware	Lifetime	Lifetime	Lifetime	Lifetime
Warranty Power Supply	2 Year	2 Year	2 year	Lifetime	
ProSUPPORT Maintenance PKGS	OnCall 24x7 1-year	PMB0S11	PMB0S11	PMB0S12	PMB0S12
	OnCall 24x7 3-year	PMB0S31	PMB0S31	PMB0S32	PMB0S32
	OnCall 24x7 5-year	PMB0S51	PMB0S51	PMB0S52	PMB0S52

Unmanaged Switches

Unmanaged, L2, Gigabit



MODEL	GS305	GS308	GS305P	GS308P
Port Configuration	10/100M Ports (Auto Uplink)	10/100/1000M Ports (Auto Uplink)	10/100/1000M Ports (Auto Uplink)	10/100/1000M Ports (Auto Uplink)
PoE	-	-	4	4
Scalability	2K	8K	4K	4K
Quality of Service	•	•	•	•
Performance	10 Gbps	16 Gbps	10 Gbps	16 Gbps
Energy Efficiency	•	•	•	•
Physical	Desktop, Wall-mount	Desktop, Wall-mount	Desktop, Wall-mount	Desktop, Wall-mount
Warranty	3 year	3 year	3 year	3 year
ProSUPPORT Maintenance PKGS	PMB0S11	PMB0S11	PMB0S11	PMB0S11

Unmanaged Switches

Unmanaged, L2, Gigabit



MODEL	GS316	GS324	GS348	GS908
Port Configuration	10/100/1000M Ports (Auto Uplink)	10/100/1000M Ports (Auto Uplink)	10/100/1000M Ports (Auto Uplink)	10/100/1000M Ports (Auto Uplink)
PoE	-	-	-	-
Scalability	16K	8K	16K	8K
Quality of Service	•	•	•	•
Performance	32 Gbps	48 Gbps	96 Gbps	16 Gbps
Energy Efficiency	•	•	•	•
Physical	Desktop, Wall-mount	Desktop, Wall-mount, Rack-mount	Desktop, Rack-mount	Desktop & Wall-mount
Warranty	3 year	3 year	3 year	3 year
ProSUPPORT Maintenance PKGS	PMB0S12	PMB0S12	PMB0S12	PMB0S11

Unmanaged, L2, 10G/Multi-Gig Switches



MODEL		XS505M	XS508M	GS110MX
Port Configuration	10/100M Ports (Auto Uplink)	0	0	0
	10/100/1000M Ports (Auto Uplink)	0	0	8
	10M/100M/1G/2.5G/5G/10G Copper Ports	4	7	2 (without 10M)
	10G SFP+ Fiber Ports	1	1	
PoE	# of PoE ports	-	-	-
	# of PoE+ (802.3at) ports	-	-	-
	# of PD port	-	-	-
	Total PoE Power Budget (Watts)	-	-	-
Scalability	MAC Address Table Size (# MAC) (1K=1024)	2K	2K	16K
	MAC Address Aging (typical, sec)	300 sec	300 sec	300 sec
Quality of Service	802.1p-based QoS/CoS Supported	•	•	•
Performance	Total Bandwidth (Non-Blocking Fabric) (Gbps)	100 Gbps	160 Gbps	56 Gbps
	Buffer Memory (Packet Buffer Size)	128 KB	128 KB	128 KB
	Jumbo Frames	9216bytes	9216bytes	10240bytes
Energy Efficiency	IEEE 802.3az (Energy Efficient Ethernet)	•	•	•
	Auto Power Down	•	•	•
	Short Cable Detection/Power Saving	•	•	•
	Power Adapter / DC Input (V/A)	Internal 100-240VAC 50/60Hz 1.0A	Internal 100-240VAC 50/60Hz 1.5A	External Input 12V 1.5A
Physical	Max Power Consumption (W) DC in (ext PA) / AC in (internal)	22.5W	39W	13.2W
	Form-factor/Mounting (Desktop, Wall, Rack)	Desktop / Rack-mount	Desktop / Rack-mount	Desktop Wall-mount Rack-mount
	Metal/Plastic Enclosure	Metal	Metal	Metal
	Fan	None	None	None
	Acoustic Noise	28.8dB	28.8dB	0dB
	MTBF (hours) @ 25°C	1093237 hours	1145157 hours	2320394
	Width x Depth x Height (mm)	328 x 169 x 43.2 mm (12.91 x 6.65 x 1.7 in)	328 x 169 x 43.2 mm (12.91 x 6.65 x 1.7 in)	236 x 102 x 27 mm (9.29 x 4.02 x 1.06 in)
	Weight (kg)	1.38kg	1.49kg	0.74 kg
	Electromagnetic Compliance (Class A or B)	B	B	
	Warranty	Hardware/Switch	Lifetime	Lifetime
Power Adapter				
ProSUPPORT Maintenance PKGS	OnCall 24x7 1-year	PMB0311	PMB0311	PMB0512
	OnCall 24x7 3-year	PMB0331	PMB0331	PMB0532
	OnCall 24x7 5-year	PMB0351	PMB0351	PMB0552

WHY SMART SMBs CHOOSE SMART MANAGED PLUS SWITCHES

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

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

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

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

- Market's widest product portfolio**

NETGEAR gets you covered with a comprehensive and versatile portfolio of Smart Managed Plus switches including 1-Gigabit, Multi-Gigabit, 10-Gigabit connectivity, a large range of PoE/PoE+ budgets and choice of copper or fiber for flexible deployment.
- Unique Mounting Form Factors (Click, Easy-Mount)**

NETGEAR Smart Managed Plus Click & Easy-Mount Switches feature an innovative mounting system that allow them to be easily located where you need them - under a table, on a pole/desk leg, or on the wall - with their flexible mounting bracket. Their unique slim and sleek design also enables "out of sight" deployment like no other switch does.
- Know what's happening in your Network**

Identify any possible cable issues or abnormal traffic behavior with cable health test and port statistics
- Secure your Network**

Add protection to your network against possible threats thanks to Auto DoS and Storm Control features. Moreover, you can isolate the different networks (voice, video, data) using VLANs.
- Full 10-Gigabit models**

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

Easy-to-use web browser-based management GUI makes setup and management simple. Get the smart features with the easiest management.
- Easy-to-Configure**

Intuitive GUI interface with Basic Configuration Modes to help any customer to configure any network protocol.
- Power it all**

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

Smart Managed Plus Switches provide link redundancy with static LAG support and Loop Prevention to minimize possible downtimes.
- Best-in-Class Warranty**

All NETGEAR Smart Managed Plus are covered for the full life of the hardware, including next business-day replacement. In addition, all NETGEAR switches with ProSAFE Lifetime Warranty include 90 days of technical support via phone and lifetime support through online chat.

Smart Managed Plus Switches

Smart Managed Plus, L2, Gigabit



MODEL	GS105EV2	GS105PE	GS108E	GS108PE	GS116Ev2
Port Configuration	10/100 RJ45 Ports (Auto Uplink)				
	5	5	8	8	16
	1G/10GBASE-T RJ45 Ports (Auto Uplink)				
	Fiber Ports				
10Gig Module Bays					
PoE	PoE (15.4W) 802.3af Ports		4(53W)		
	Total PoE/PoE+ Power Budget		PoE pass-thru: - With AT in: 19.0W - With AF in: 7.9W		45W
Scalability	# MAC Addresses	8,000	8,000	4,000	4,000
	ARP Table – Size of				
System Management	Single IP Management				
	Web Managed/GUI	Starting v1.3.0.1	Starting v1.3.0.1	•	•
	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	802.1p, Port-based and DSCP
Multicast Filtering	IGMP Snooping Version	v1, v2 and v3	v1, v2 and v3	v1, v2 and v3	v1, v2 and v3
	Bandwidth	10 Gbps	10 Gbps	16 Gbps	32 Gbps
	Buffer Memory	128 KB	128 KB	192 KB	192 KB
	Jumbo Frames	9216	9216	9720	9720
Traffic Management	Number of 802.1q VLAN/Number of VLAN Group	64	64	32	32
	Port Trunking/Link Aggregation (Manual Static LAGs)				
	Rate Limiting	•	•	•	•
	Broadcast Storm Control	•	•	•	•
Energy Efficiency	IEEE 802.3az	•	•	•	•
	Auto Port Power Down	•	•	•	•
	Max Power Consumption	2.6 Watts	1.95 Watts (no PoE) 21.95 Watts (with PoE max)	4.45 Watts	51.1 Watts
Physical	Desktop (D)/Wallmount (W)/Rackmount (R)	D / W	D / W	D / W	D / W
	Metal/Plastic Enclosure	M	M	M	M
	MTBF at 25°C	5,905,968 Hours	1,685,972 hours	2,525,259 Hours	1,242,394 Hours
	Acoustic Noise	0 dBA	0 dBA	0 dBA	0 dBA
	Fan				
	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 x 1.1 in)	158 x 101 x 29 mm (6.2 x 4 x 1.1 in)
Electromagnetic Compliance	Weight	0.25 kg (0.55 lb)	0.47 kg (1.04 lb)	0.50 kg (1.10 lb)	0.54 kg (1.19 lb)
	Class (A or B)	B	B	B	A
Warranty Hardware	Lifetime	Lifetime	Lifetime	Lifetime	Lifetime
Warranty Power Supply	2 Year	2 Year	2 Year	2 Year	2 Year
Modules	ProSUPPORT Maintenance PKGS				
	OnCall 24x7 1-year	PMB0S11	PMB0S11	PMB0S11	PMB0S11
	OnCall 24x7 3-year	PMB0S31	PMB0S31	PMB0S31	PMB0S31
OnCall 24x7 5-year	PMB0S51	PMB0S51	PMB0S51	PMB0S51	

Smart Managed Plus Switches

Smart Managed Plus, L2, Gigabit



MODEL	GS908E	JGS516PE	JGS524Ev2	JGS524PE	GS750E
Port Configuration	10/100 RJ45 Ports (Auto Uplink)				
	8	16	24	24	
	1G/10GBASE-T RJ45 Ports (Auto Uplink)				
	Fiber Ports				
	10Gi/Multi-Gig				
	USB Charging ports				
PoE	PoE (15.4W) 802.3af Ports		8(85W)		12(100W)
	Total PoE/PoE+ Power Budget		8(85W)		12(100W)
Scalability	# MAC Addresses	4K	16,000	16,000	16,000
	Dynamic MAC	•			•
System Management	ARP Table – Size of				
	Single IP Management				
	Web Managed/GUI	•	Starting v2.0.1.8	•	•
	DHCP (Client/Server)	Client	DHCP Client	DHCP Client	DHCP Client
Quality of Service	Port Mirroring	•	Many-to-One	Many-to-One	•
	Number of Priority Queues	4	4	4	8
Multicast Filtering	Traffic Prioritization	802.1p-based (CoS)	802.1p, Port-based	802.1p, Port-based	802.1p-based (CoS)
	Auto Voice VLAN	• (Manual)			
	IGMP Snooping Version	v1, v2, and v3	v1, v2 and v3	v1, v2 and v3	v1, v2 and v3
	Bandwidth	16.0	32 Gbps	48 Gbps	48 Gbps
Performance	Buffer Memory	192KB	768 KB	768 KB	1.5MB
	Jumbo Frames	9216	9216	9216	9216
Traffic Management	Number of 802.1q VLAN/Number of VLAN Group	64	100	100	4K
	Port Trunking/Link Aggregation (Manual Static LAGs)	Static	Static LAG	Static LAG	Static LAG
	Discovery Protocol LLDP	802.1ab			
	Rate Limiting	•	•	•	•
Energy Efficiency	Broadcast Storm Control	•	•	•	•
	IEEE 802.3az	•	•	•	•
	Auto Port Power Down	•	•	•	•
Physical	Dynamic Power Consumption	•	•	•	•
	Max Power Consumption	*3.30W (no USB) 26.32W (with both USB)*	25.0W (no PoE) 110.0W (with PoE max)	13.8 Watts	123 Watts
	Desktop/Rackmount/Click	Desktop	R	R	R
	Metal/Plastic Enclosure	Premium Plastic	M	M	M
	MTBF at 25°C	840,354 Hours		243,476 Hours	643,506 Hours
	Acoustic Noise	0	24.5 dBA		24.4 dBA
Electromagnetic Compliance	Fan	Fanless	1	None	1
	Width x Depth x Height	234 x 164 x 33 mm (9.22 x 6.46 x 1.29 in)	328 x 169 x 43 mm (12.9 x 6.65 x 1.7 in)	328 x 170 x 43 mm (12.9 x 6.9 x 1.7 in)	328 x 169 x 43 mm (12.9 x 6.65 x 1.7 in)
	Weight	0.36 kg (0.80 lb)	1.67 kg (3.68 lb)	1.4 kg (3.09 lb)	1.84 kg (4.06 lb)
	Class (A or B)	B	A	A	A
Warranty Hardware	3 years	Lifetime	Lifetime	Lifetime	Lifetime
Warranty Power Supply	2 years	Lifetime	Lifetime	Lifetime	Lifetime
Modules	ProSUPPORT Maintenance PKGS				
	OnCall 24x7 1-year	PMB0S11	PMB0S12	PMB0S12	PMB0S12
	OnCall 24x7 3-year	PMB0S31	PMB0S32	PMB0S32	PMB0S32
OnCall 24x7 5-year	PMB0S51	PMB0S52	PMB0S52	PMB0S52	

Smart Managed Plus Switches

Smart Managed Plus, L2, Multi-Gig

Smart Managed Plus, L2, 10-Gigabit



MODEL	GS110EMX	XS512EM	XS724EM	XS708Ev2	XS716E	
Port Configuration	100M/1G/2.5G/5G/10G RJ-45 copper ports	12	24			
	10/100/1000 RJ45 Ports (Auto Uplink)	8				
	1G/10GBASE-T RJ45 Ports (Auto Uplink)			8	16	
	Fiber Ports		10G SFP+ ports: 2(shared)	10G SFP+ ports: 2(shared)	1 Combo SFP+ (10G)	1 Combo SFP+ (10G)
Scalability	10Gi/Multi-Gig	2	•	•	1	
	# MAC Addresses	16K	32K	32K	32,000	32,000
System Management	Dynamic MAC	•	•	•		
	Single IP Management	•				
	Web Managed/GUI	•	•	•	•	•
	DHCP (Client/Server)	Client	•	•	DHCP Client	DHCP Client
Quality of Service	Port Mirroring	•	•	•	Many-to-One	
	Number of Priority Queues	8	8 (WRR)	8 (WRR)	4	4
	Traffic Prioritization	802.1p-based (CoS)	•	•	802.1p, Port-Based	802.1p, Port-Based
Multicast Filtering	Auto Voice VLAN	• (Manual)	•	•		
	IGMP Snooping Version	v1, v2, and v3	v1, v2, and v3	v1, v2, and v3	v1, v2 and v3	v1, v2 and v3
Performance	Bandwidth	56.0	240 Gbps	480 Gbps	160 Gbps	160 Gbps
	Buffer Memory	2MB	3MB	3MB	16 MB	16 MB
	Jumbo Frames	10240	up to 9K	up to 9K	•	•
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 LAG	Static LAG
	Rate Limiting	•	Ingress and egress	Ingress and egress	•	•
	Broadcast Storm Control	•	•	•	•	•
Energy Efficiency	IEEE 802.3az	•	•	•		
	Auto Port Power Down	•				
	Dynamic Power Consumption	•				
	Max Power Consumption	15.6 Watts	76.56W	150.52W	44 Watts	62 Watts
Physical	Desktop/Rackmount/Click	Desktop/Rackmount	Desktop/Rackmount	Desktop/Rackmount	R	R
	Metal/Plastic Enclosure	Metal	Metal	Metal	M	M
	MTBF at 25°C		1,113,477Hrs	830,493Hrs	221,813 Hours	221,813 Hours
	Acoustic Noise	0	Idle : 29.13dB@25dC/ Full load :40.85dB@50dC*	Idle : 35.91dB@25dC Full load :56.87dB@50dC*	34.7dBA	34.7dBA
	Fan	Fanless	2	3	2	2
	Width x Depth x Height	236x 102x 27mm 9.29 x 4.02 x 1.06 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	0.75kg 1.65 lb	2.51kg (5.54 lb)	3.72kg (8.21 lb)	3.6 kg (6.5 lb)	3.6 kg (6.5 lb)	
Electromagnetic Compliance	Class (A or B)	B	A	A	A	
Warranty Hardware	Lifetime	ProSAFE Lifetime Warranty	ProSAFE Lifetime Warranty	Lifetime	Lifetime	
Warranty Power Supply	2 years			Lifetime	Lifetime	
Modules			AGM731, AGM732F, AGM734 AXC761, AXC763, AXM761 AXM762, AXM763, AXM764	AGM731, AGM732F, AGM734 AXC761, AXC763, AXM761 AXM762, AXM763, AXM764	AGM731F/AGM732F; AXM761/ AXM762/AXM763	AGM731F/AGM732F; AXM761/ AXM762/AXM763
ProSUPPORT Maintenance PKGS	OnCall 24x7 1-year	PMB0512	PMB0312	PMB0311	PMB0312	
	OnCall 24x7 3-year	PMB0532	PMB0332	PMB0331	PMB0332	
	OnCall 24x7 5-year	PMB0552	PMB0352	PMB0351	PMB0352	

Smart Managed Plus Switches

Gigabit Ethernet, L2, Smart Managed Plus Click

Gigabit Ethernet, L2 Smart Managed Plus Easy Mount



MODEL	GSS108E	GSS116E	GSS108EPP	GS408EPP
Port Configuration	10/100 RJ45 Ports (Auto Uplink)			
	10/100/1000 RJ45 Ports (Auto Uplink)	8	16	8
	1G/10GBASE-T RJ45 Ports (Auto Uplink)			
	Fiber Ports			
PoE	10Gig Module Bays			
	PoE+ (30W) 802.3at Ports			4-ports 47W
Scalability	Total PoE/PoE+ Power Budget			8-ports 124W
	# MAC Addresses	8,000	8,000	4000
System Management	ARP Table – Size of			
	Single IP Management			
	Web Managed/GUI	•	•	•
	DHCP (Client/Server)	DHCP Client	DHCP Client	DHCP Client
Quality of Service	Port Mirroring	Many-to-One	Many-to-One	Many-to-One
	Number of Priority Queues	4	4	4
	Traffic Prioritization	802.1p, Port-based	802.1p, Port-based	802.1p, Port-based
Multicast Filtering	Auto Voice VLAN			
	IGMP Snooping Version	v1, v2 and v3	v1, v2 and v3	v1, v2 and v3
Performance	Bandwidth	16 Gbps	32 Gbps	16 Gbps
	Buffer Memory	128 KB	512 KB	192 KB
	Jumbo Frames	9216	9216	9216
Traffic Management	Number of 802.1q VLAN/Number of VLAN Group	64	128	64
	Port Trunking/Link Aggregation (Manual Static LAGs)		Static LAG	Static LAG
Energy Efficiency	Rate Limiting	•	•	•
	Broadcast Storm Control	•	•	•
	IEEE 802.3az	•	•	•
	Auto Port Power Down	•	•	•
Physical	Dynamic Power Consumption	•	•	•
	Max Power Consumption	4.2W (No USB Charging) 20.2W (USB Charging)	8.4 Watts	57.4W
	Desktop (D)/Wallmount (W)/Rackmount (R)	D/W/Virtually Anywhere	D/W/Virtually Anywhere	D/W/Virtually Anywhere
	Metal/Plastic Enclosure	P	M	M
	MTBF at 25°C	1,031,177 Hours	721,497 Hours	1,494,913 hours
	Acoustic Noise	0	0	0
Electromagnetic Compliance	Fan		None	
	Width x Depth x Height	305x 65x 35 mm (12.0 x 2.6 x 1.4 in)	407x70x35 mm (16.0 x 2.8 x 1.4 in)	305 x 65 x 35mm (12 x 2.6 x 1.4in)
	Weight	0.4 kg (0.88 lbs)	1.3 kg (2.87 lb)	3.20kg (7.07lb)
Warranty Hardware	Lifetime	Lifetime	Lifetime	
Warranty Power Supply	Lifetime	Lifetime	Lifetime	
Modules				
ProSUPPORT Maintenance PKGS	OnCall 24x7 1-year	PMB0511	PMB0512	PMB0512
	OnCall 24x7 3-year	PMB0531	PMB0532	PMB0532
	OnCall 24x7 5-year	PMB0551	PMB0552	PMB0552

WHY SMART BUSINESSES CHOOSE SMART MANAGED PRO SWITCHES

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

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

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

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

1	Market's widest product portfolio	NETGEAR covers you with a comprehensive and versatile portfolio of Smart Managed switches from 5 to 48 port models including 1-Gigabit and 10-Gigabit connectivity with enhanced stacking capabilities, a large range of PoE/PoE+ budgets and choice of copper or fiber for flexible deployment.
2	Affordable Business-grade Switches	Typically 1/2 the cost of Managed switches with around 75% of the same features and functions, all with no hidden costs.
3	Rich feature-set	Advanced VLAN and QoS, Advanced Security, L3 lite routing capabilities, ACL or SNMP are some of the many features that are available in Smart Managed switches.
4	Scales with your Business	The Stackable Smart Managed Switches provide true stacking capability with high performance, scalability and reliability without adding huge costs. Up to six Switches can be stacked together, providing up to 288 ports, and managed from a single IP address.
5	Full 10-Gigabit models	NETGEAR is leading by far the 10-Gigabit switching market and provides a full range of 10G Smart Switches with low-latency, line-rate 10G Copper "BASE-T" technology with backward compatibility to Fast Ethernet (depending on model) and Gigabit Ethernet.
6	Smart IT, not big IT	Easy-to-use web browser-based management GUI makes setup and management simple. Get the smart features with the easiest management.
7	Designed as a Core Switch for SMB Networks	Powerful L2+/Layer 3 Lite features make them the most cost-effective core switches for SMB and virtualization environment.
8	Power it all	Choose from the broadest choice of PoE/PoE+ power to enable seamless PoE connection of standard PoE devices (IP Phones, Wireless Access Points, IP Cameras even high-power Pan-Tilt-Zoom models, IoT devices, etc).
9	Smart redundancy	Smart switches mean smart redundancy with Link protection, Spanning Tree, LACP, switch protection, resilient stacking.
10	Future-proof	Full support of IPv6 protects IT investment by future-proofing the network for the next generation of applications and extensions.

Smart Managed Pro Switches

Smart Managed Pro, L2, 10/100 Fast Ethernet



MODEL	FS728TLP	FS728TPv2	
Port Configuration	10/100 RJ45 Ports (Auto Uplink)	24	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	100 Watts	192 Watts
Stacking	Number of Dedicated Stacking Ports		
	Stacking Bandwidth		
	Stacking (maximum capacity)		
	Stacking Compatibility		
Scalability	# MAC Addresses	8,000	4,000
	# ACL Rules	128	128
System Management	Web Managed/GUI	•	•
	SNMP Version	v1, v2c, v3	v1, v2c, v3
	RMON Group	1,2,3,9	1,2,3,9
	DHCP (Client/Server)	Client	Client
	Port Mirroring	Many-to-One	Many-to-One
	Quality of Service	Number of Priority Queues	8
Multicast Filtering	Traffic Prioritization	802.1p and DSCP	802.1p, DSCP, Diffserv
	Auto Voice VLAN	•	•
	IGMP Snooping Querier	•	•
Performance	Bandwidth	12.8 Gbps	12.8 Gbps
	Buffer Memory	4 MB Per System	1 MB Per System
	Jumbo Frames	•	•
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		•
	TACACS+		•
Energy Efficiency	IEEE 802.3az	•	•
	Auto Port Power Down	•	•
	Dynamic Power Consumption		
	Max Power Consumption	124 Watts	256 Watts
Physical	Desktop/Rackmount/Click	R	R
	Metal/Plastic Enclosure	M	M
	MTBF	755,725 Hours	237,497 Hours
	Acoustic Noise at 25°C	30.7 dBA	38.1 dBA
	Fan	•	•
	Width x Depth x Height	440 x 204 43 mm (17.3 x 8 x 1.7 in)	440 x 257 x 43 mm (17.3 x 10.1 x 1.7 in)
	Weight	2.92 kg (6.44 lb)	3.6 kg (7.92 lb)
Electromagnetic Compliance	Class (A or B)	A	A
Warranty Hardware		Lifetime	Lifetime
Warranty Power Supply		Lifetime	Lifetime
Modules		AGM731F/732F	AGM731F/732F
ProSUPPORT Maintenance PKGS	OnCall 24x7 1-year	PMB0311	PMB0311
	OnCall 24x7 3-year	PMB0331	PMB0331
	OnCall 24x7 5-year	PMB0351	PMB0351

Smart Managed Pro Switches

Smart Managed Pro, L2, Gigabit



MODEL	GS108Tv2	GS110TPv2	GS716Tv3	GS516TP	
Port Configuration	10/100/1000 RJ45 Ports (Auto Uplink)	8	8	16	
	Fiber Ports		2 SFP	2 dedicated SFP	
PoE	Power Over Ethernet 802.3af Ports		8	8 POE and 2 PD	
	PoE Plus (30W) 802.3at Ports				
	Total PoE Budget		46 Watts	76w with AC power, up to 22w with PD power	
Scalability	# MAC Addresses	8,000	8,000	16,000	
	ARP Table - Size of			8,000	
	# Routing Entries			1,024	
	# ACL Rules	64	64	100	
System Management	Web Managed/GUI	•	•	•	
	SNMP Version	v1, v2c, v3	v1, v2c, v3	v1, v2c, v3	
	RMON Group	1,2,3,9	1,2,3,9	1,2,3,9	
	DHCP (Client/Server)	Client	Client	Client	
	Port Mirroring	Many-to-One	Many-to-One	Many-to-One	
	IPv6 full set	•	•	•	
Quality of Service	Number of Priority Queues	4	4	8	
	Traffic Prioritization	802.1p, DSCP, Diffserv	802.1p, DSCP, Diffserv	802.1p, DSCP, Diffserv	
	Auto Voice VLAN	•	•	•	
Multicast Filtering	IGMP Snooping Version	v1, v2, v3	v1, v2, v3	v1, v2, v3	
	IGMP Snooping Querier	•	•	•	
Performance	Bandwidth	16 Gbps	16 Gbps	32 Gbps	
	Buffer Memory	512 KB Per Unit	512 KB Per Unit	2 MB Per System	
	Jumbo Frames	Yes	Yes	•	
Availability	Spanning Tree 802.1d/RSTP .1w/MSTP .1s	802.1d, .1w, .1s	802.1d, .1w, .1s	802.1d, .1w, .1s	
Traffic Management	Number of 802.1q VLAN/Number of VLAN Group	64	64	256	
	Link Aggregation 802.3ad/LACP	•	•	•	
	Discovery Protocol LLDP 802.1ab	•	•	•	
	Rate Limiting	•	•	•	
	Broadcast Storm Control	•	•	•	
L3 Routing	IPv4 Static Routing	•	•	•	
Security	IEEE 802.1x (RADIUS)	•	•	•	
	ACL - Access Control Lists	MAC, IP	MAC, IP	MAC, IP	
	SSL/SSH & HTTPS	HTTPS	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	12.78 Watts if powered by PoE via port 18.3 Watts (AC) 6 Watts (DC)	60 Watts	14.4 Watts	92.1 Watts
Physical	Desktop/Rackmount/Click	D	D	R	
	Metal/Plastic Enclosure	M	M	M	
	MTBF	275,533 Hours	157,004 Hours	726,612 hours	479,350 Hours
	Acoustic Noise at 25°C	0 dBA	0 dBA	0 dBA	24.6 dBA
	Fan	•	•	•	•
	Width x Depth x Height	158 x 105 x 27 mm (6.22 x 4.13 x 1.06 in)	236 x 101.6 x 27 mm (9.3 x 4 x 1.06 in)	43 x 440 x 204 mm (1.7 x 17.3 x 8 in)	328 x 169 x 43 mm (12.9 x 6.65 x 1.7 in)
	Weight	0.56 kg (1.23 lb)	0.7Kg (1.54 lb)	2.72 kg (5.99 lb)	2.21 kg (4.87lb)
Electromagnetic Compliance	Class (A or B)	A	B	A	
Warranty Hardware	Lifetime	Lifetime	Lifetime	Lifetime	
Warranty Power Supply	Lifetime	Lifetime	Lifetime	Lifetime	
Modules		AGM731F/732F	AGM731F/732F		
ProSUPPORT Maintenance PKGS	OnCall 24x7 1-year	PMB0511	PMB0512	PMB0512	
	OnCall 24x7 3-year	PMB0531	PMB0532	PMB0532	
	OnCall 24x7 5-year	PMB0551	PMB0552	PMB0552	

Smart Managed Pro Switches

Smart Managed Pro, L2+ with static routing, Gigabit



MODEL	GS510TLP	GS510TPP	GS418TPP	
Port Configuration	10/100/1000 RJ45 Ports (Auto Uplink)	8	8	
	Fiber Ports	2	2	
PoE	Power Over Ethernet 802.3af Ports			
	PoE Plus (30W) 802.3at Ports	8	8	
	Total PoE Budget	75W	190W	
Scalability	# MAC Addresses	16K	16K	
	ARP Table - Size of	479	479	
	# Routing Entries	32	32	
	# ACL Rules	100	100	
System Management	Single IP Management	•	•	
	Web Managed/GUI	Yes	Yes	
	SNMP Version	v1, v2c, v3	v1, v2c, v3	
	RMON Group	Yes	Yes	
	DHCP (Client/Server)	Client	Client	
	Port Mirroring	Yes	Yes	
	IPv6 full set	Yes	Yes	
Quality of Service	Number of Priority Queues	8	8	
	Traffic Prioritization	802.1p, DSCP, Diffserv	802.1p, DSCP, Diffserv	
	Auto Voice VLAN	•	•	
Multicast Filtering	IGMP Snooping Version	v1, v2, v3	v1, v2, v3	
	IGMP Snooping Querier	•	•	
Performance	Bandwidth	20 Gbps	20 Gbps	
	Buffer Memory	1.5 MB per system	1.5 MB per system	
	Jumbo Frames	•	•	
Availability	Spanning Tree 802.1d/RSTP .1w/MSTP .1s	802.1d, .1w, .1s	802.1d, .1w, .1s	
Traffic Management	Number of 802.1q VLAN/Number of VLAN Group			
	Link Aggregation 802.3ad/LACP	•	•	
	Discovery Protocol LLDP 802.1ab	•	•	
	Rate Limiting	•	•	
	Broadcast Storm Control	•	•	
L3 Routing	IPv4 Static Routing	•	•	
Security	IEEE 802.1x (RADIUS)	•	•	
	ACL - Access Control Lists	MAC, IP, TCP	MAC, IP, TCP	
	SSL/SSH & HTTPS	SSL/HTTPS	SSL/HTTPS	
	Guest VLAN	•	•	
	DHCP Snooping/IP Source Guard/ARP Guard	•	•	
	TACACS+	•	•	
Energy Efficiency	IEEE 802.3az	•	•	
	Auto Port Power Down	•	•	
	Dynamic Power Consumption	•	•	
	Max Power Consumption	101 W	225 W	
Physical	Desktop/Rackmount/Click	D/R	D/R	
	Metal/Plastic Enclosure	M	M	
	MTBF	913,368 hours	1,509,979 hours	
	Acoustic Noise at 25°C	0 dBA	32 dBA	
	Fan	•	•	
	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	
Warranty Hardware	Lifetime	Lifetime	Lifetime	
Warranty Power Supply	Lifetime	Lifetime	Lifetime	
Modules		AFM735/AGM731F/AGM732F/AGM734	AFM735/AGM731F/AGM732F/AGM734	
ProSUPPORT Maintenance PKGS	OnCall 24x7 1-year	PMB0512	PMB0512	
	OnCall 24x7 3-year	PMB0532	PMB0532	
	OnCall 24x7 5-year	PMB0552	PMB0552	

Smart Managed Pro Switches

Smart Managed Pro, L2+ with static routing, Gigabit



MODEL	GS724Tv4	GS748Tv5	GS728TP	GS728TPv2	GS728TPP
Port Configuration	10/100 RJ45 Ports (Auto Uplink)				
	10/100/1000 RJ45 Ports (Auto Uplink)				
	24	48	24	24	24
PoE	Fiber Ports				
	2 dedicated SFP	2 dedicated and 2 combo SFP	4 dedicated SFP	4 dedicated SFP	4 dedicated SFP
	10Gig Module Bays				
Scalability	Power Over Ethernet 802.3af Ports				
	PoE Plus (30W) 802.3af Ports				
	Total PoE Budget				
System Management	# MAC Addresses				
	# Routing Entries				
	# ACL Rules				
Quality of Service	Single IP Management				
	Web Managed/GUI				
	Command Line Interface/RS232 Console/Telnet				
Multicast Filtering	SNMP Version				
	RMON Group				
	DHCP (Client/Server)				
Performance	Port Mirroring				
	IPv6 full set				
	Number of Priority Queues				
Availability	Traffic Prioritization				
	Auto Voice VLAN				
	IGMP Snooping Version				
Traffic Management	IGMP Snooping Querier				
	Bandwidth				
	Buffer Memory				
L3 Routing	Jumbo Frames				
	Spanning Tree 802.1d/RSTP .1w/MSTP .1s				
	Number of 802.1q VLAN/Number of VLAN Group				
Security	Link Agregation 802.3ad/LACP				
	Discovery Protocol LLDP 802.1ab				
	Rate Limiting				
Energy Efficiency	Broadcast Storm Control				
	IPv4 Static Routing				
	IEEE 802.1x (RADIUS)				
Physical	ACL - Access Control Lists				
	SSL/SSH & HTTPS				
	Guest VLAN				
Electromagnetic Compliance	DHCP Snooping/IP Source Guard/ARP Guard				
	TACACS+				
	IEEE 802.3az				
Warranty Power Supply	Auto Port Power Down				
	Dynamic Power Consumption				
	Max Power Consumption				
Modules	Desktop/Rackmount/Click				
	Metal/Plastic Enclosure				
	MTBF				
ProSUPPORT Maintenance PKGS	Acoustic Noise at 25°C				
	Fan				
	Width x Depth x Height				
ProSUPPORT Maintenance PKGS	Weight				
	Class (A or B)				
	Warranty Hardware				
ProSUPPORT Maintenance PKGS	Warranty Power Supply				
	Modules				
	ProSUPPORT Maintenance PKGS				

Smart Managed Pro Switches

Smart Managed Pro, L2+ with static routing, Gigabit



MODEL	GS728TPPv2	GS752TP	GS752TPv2	GS752TPP
Port Configuration	10/100 RJ45 Ports (Auto Uplink)			
	10/100/1000 RJ45 Ports (Auto Uplink)			
	24	48	24	24
PoE	Fiber Ports			
	4 dedicated SFP	4 dedicated SFP	4 dedicated SFP	4 dedicated SFP
	10Gig Module Bays			
Scalability	Power Over Ethernet 802.3af Ports			
	PoE Plus (30W) 802.3af Ports			
	Total PoE Budget			
System Management	# MAC Addresses			
	ARP Table - Size of			
	# Routing Entries			
Quality of Service	# ACL Rules			
	Single IP Management			
	Web Managed/GUI			
Multicast Filtering	Command Line Interface/RS232 Console/Telnet			
	SNMP Version			
	RMON Group			
Performance	DHCP (Client/Server)			
	Port Mirroring			
	IPv6 full set			
Availability	Number of Priority Queues			
	Traffic Prioritization			
	Auto Voice VLAN			
Traffic Management	IGMP Snooping Version			
	IGMP Snooping Querier			
	Bandwidth			
L3 Routing	Buffer Memory			
	Jumbo Frames			
	Spanning Tree 802.1d/RSTP .1w/MSTP .1s			
Security	Number of 802.1q VLAN/Number of VLAN Group			
	Link Agregation 802.3ad/LACP			
	Discovery Protocol LLDP 802.1ab			
Energy Efficiency	Rate Limiting			
	Broadcast Storm Control			
	IPv4 Static Routing			
Physical	IEEE 802.1x (RADIUS)			
	ACL - Access Control Lists			
	SSL/SSH & HTTPS			
Electromagnetic Compliance	Guest VLAN			
	DHCP Snooping/IP Source Guard/ARP Guard			
	TACACS+			
Warranty Power Supply	IEEE 802.3az			
	Auto Port Power Down			
	Dynamic Power Consumption			
Modules	Max Power Consumption			
	Desktop/Rackmount/Click			
	Metal/Plastic Enclosure			
ProSUPPORT Maintenance PKGS	MTBF			
	Acoustic Noise at 25°C			
	Fan			
ProSUPPORT Maintenance PKGS	Width x Depth x Height			
	Weight			
	Class (A or B)			
ProSUPPORT Maintenance PKGS	Warranty Hardware			
	Warranty Power Supply			
	Modules			
ProSUPPORT Maintenance PKGS	ProSUPPORT Maintenance PKGS			
	OnCall 24x7 1-year			
	OnCall 24x7 3-year			
ProSUPPORT Maintenance PKGS	OnCall 24x7 5-year			
	PMB0311			
	PMB0331			
ProSUPPORT Maintenance PKGS	PMB0351			
	PMB0312			
	PMB0332			
ProSUPPORT Maintenance PKGS	PMB0352			
	PMB0312			
	PMB0332			
ProSUPPORT Maintenance PKGS	PMB0352			
	PMB0312			
	PMB0332			

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	24 / 2 10GBase-T	48 / 2 10GBase-T
	Fiber Ports	4 SFP	4 SFP	2 SFP+ (10G)
PoE	Power Over Ethernet 802.3af Ports	48		
	PoE Plus (30W) 802.3af Ports	8		
	Total PoE Budget	384 Watts		
Stacking	Number of Dedicated Stacking Ports	2 SFP (2.5G)	2 SFP (2.5G)	Up to 2 10G ports
	Stacking Bandwidth	10 Gbps	10 Gbps	40 Gbps
	Stacking (maximum capacity)	6 units or 300 ports	6 units or 300 ports	6 units or 300 ports
	Stacking Compatibility	GS7XXTSB/GSXXTPSB	GS7XXTSB/GSXXTPSB	S3300 series, M4300-12X12F, M4300-24X
Scalability	# MAC Addresses	16,000	16,000	16,000
	ARP Table - Size of	1,024	512	512
	# Routing Entries	32	32	32
	# ACL Rules	256	256	480
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	Client	Client/L2 Relay
	Port Mirroring	Many-to-One	Many-to-One	Many-to-One
	IPv6 full set	•	•	•
	Quality of Service	Number of Priority Queues	8	8
Traffic Prioritization	802.1p	802.1p, DSCP	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
Performance	Bandwidth	104 Gbps	104 Gbps	128 Gbps
	Buffer Memory	16 MB Per System	2 MB Per System	2 MB Per System
	Jumbo Frames	•	•	•
Availability	Spanning Tree 802.1d/RSTP .1w/MSTP .1s	802.1d, .1w, .1s	802.1d, .1w, .1s	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	MAC, IP	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	77 Watts	527 Watts	28.18 Watts
Physical	Desktop/Rackmount/Click	R	R	R
	Metal/Plastic Enclosure	M	M	M
	MTBF	303,219 Hours	206,539 Hours	278,559 hours
	Acoustic Noise at 25°C	34.8 dBA	42.7 dBA	40 dBA
	Fan	•	•	•
	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 (17.32 x 17.0 x 1.7 in)	440 x 257 x 43 mm (17.32 x 10.13 x 1.7 in)
	Weight	4.31 kg (11.38 lb)	5.48 kg (16.02 lb)	3.55 kg (7.8 lb)
	Electromagnetic Compliance	Class (A or B)	A	A
Warranty Hardware	Lifetime	Lifetime	Lifetime	
Warranty Power Supply	Lifetime	Lifetime	Lifetime	
Modules	AGM731F/732F/AGC761	AGM731F/732F	AGM731F/AGM732F; AXM761/AXM762/AXM763/AXM764/AXC761/AXC763/AXC761/3/5/7/10/15/20	AGM731F/AGM732F; AXM761/AXM762/AXM763/AXM764/AXM765/AXC761/3/5/7/10/15/20
ProSUPPORT Maintenance PKGS	OnCall 24x7 1-year	PMB0312	PMB0312	PMB0312
	OnCall 24x7 3-year	PMB0332	PMB0332	PMB0332
	OnCall 24x7 5-year	PMB0352	PMB0352	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	24 / 2 10GBase-T
	Fiber Ports	2 SFP+ (10G)	2 SFP+ (10G)
PoE	Power Over Ethernet 802.3af Ports	24	48
	PoE Plus (30W) 802.3af Ports	24	48
	Total PoE Budget	195 Watts / up to 740W with RPS	390 Watts / up to 1,440W with RPS
Stacking	Number of Dedicated Stacking Ports	Up to 2 10G ports	Up to 2 10G ports
	Stacking Bandwidth	40 Gbps	40 Gbps
	Stacking (maximum capacity)	6 units or 300 ports	6 units or 300 ports
	Stacking Compatibility	S3300 series, M4300-12X12F, M4300-24X	S3300 series, M4300-12X12F, M4300-24X
Scalability	# MAC Addresses	16,000	16,000
	ARP Table - Size of	512	1512
	# Routing Entries	32	32
	# ACL Rules	480	100
System Management	Single IP Management	•	•
	Web Managed/GUI	•	•
	SNMP Version	v1, v2c, v3	v1, v2c, v3
	RMON Group	1,2,3,9	1,2,3,9
	DHCP (Client/Server/Relay)	Client/L2 Relay	Client/L2 Relay
	Port Mirroring	Many-to-One	Many-to-One
	IPv6 full set	•	•
	Quality of Service	Number of Priority Queues	8
Traffic Prioritization	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
Performance	Bandwidth	128 Gbps	176 Gbps
	Buffer Memory	2 MB Per System	2 MB Per System
	Jumbo Frames	•	•
Availability	Spanning Tree 802.1d/RSTP .1w/MSTP .1s	802.1d, .1w, .1s	802.1d, .1w, .1s
Traffic Management	Number of 802.1q VLAN/Number of VLAN Group	256	256
	Link Agregation 802.3ad/LACP	•	•
	Discovery Protocol LLDP 802.1ab	•	•
	Rate Limiting	•	•
	Broadcast Storm Control	•	•
L3 Routing	IPv4 Static Routing	•	•
Security	IEEE 802.1x (RADIUS)	•	•
	ACL - Access Control Lists	MAC, IP, TCP	MAC, IP, TCP
	SSL/SSH & HTTPS	HTTPS	HTTPS
	Guest VLAN	•	•
	DHCP Snooping/IP Source Guard/ARP Guard	•	•
	TACACS+	•	•
Energy Efficiency	IEEE 802.3az	•	•
	Auto Port Power Down	•	•
	Dynamic Power Consumption	•	•
	Max Power Consumption	44.12 Watts	1484.12 Watts
Physical	Desktop/Rackmount/Click	R	R
	Metal/Plastic Enclosure	M	M
	MTBF	147,965 hours	216,809 hours
	Acoustic Noise at 25°C	36.8 dBA	40 dBA
	Fan	•	•
	Width x Depth x Height	440 x 257 x 43 mm (17.32 x 10.13 x 1.7 in)	440 x 257 x 43 mm (17.32 x 10.13 x 1.7 in)
	Weight	3.77 kg (8.3 lb)	3.55 kg (7.8 lb)
	Electromagnetic Compliance	Class (A or B)	A
Warranty Hardware	Lifetime	Lifetime	
Warranty Power Supply	Lifetime	Lifetime	
Modules	AGM731F/AGM732F; AXM761/AXM762/AXM763/AXM764/AXM765/AXC761/3/5/7/10/15/20; RPS4000 (RPS only)	AGM731F/AGM732F; AXM761/AXM762/AXM763/AXM764/AXM765/AXC761/3/5/7/10/15/20; RPS4000 (RPS only)	AGM731F/AGM732F; AXM761/AXM762/AXM763/AXM764/AXM765/AXC761/3/5/7/10/15/20
ProSUPPORT Maintenance PKGS	OnCall 24x7 1-year	PMB0312	PMB0312
	OnCall 24x7 3-year	PMB0332	PMB0332
	OnCall 24x7 5-year	PMB0352	PMB0352

Smart Managed Pro Switches

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

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



MODEL	MS510TX	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	
	Fiber Ports	1 SFP+ (10G)	1 SFP+ (10G)	2 Combo SFP+ (10G)	
	10Gig Module Bays			2 Combo SFP+ (10G)	
PoE	Power Over Ethernet 802.3af Ports				
	PoE Plus (30W) 802.3at Ports		8 (PoE+)		
	Total PoE Budget		180 Watts		
Stacking	Number of Dedicated Stacking Ports				
	Stacking Bandwidth				
	Stacking (maximum capacity)				
Scalability	# MAC Addresses	16,000	16,000	16,000	
	ARP Table - Size of	512	512	738	
	# Routing Entries	32	32	32	
	# ACL Rules	164	164	100	
	Single IP Management			•	
System Management	Web Managed/GUI	•	•	•	
	Command Line Interface/RS232 Console/Telnet	N/A	N/A	N/A	
	SNMP Version	v1, v2c, v3	v1, v2c, v3	v1, v2c, v3	
	RMON Group	1,2,3,9	1,2,3,9	1,2,3,9	
	DHCP (Client/Server/Relay)	Client/L2 Relay	Client/L2 Relay	Client/L2 Relay	
	Port Mirroring	Many-to-One	Many-to-One	Many-to-One	
	IPv6 full set	•	•	•	
	Quality of Service	Number of Priority Queues	8	8	8
		Traffic Prioritization	802.1p; Diffserv; TCP/UDP	802.1p; Diffserv; TCP/UDP	802.1p; Diffserv; TCP/UDP
		Auto Voice VLAN	•	•	•
IGMP Snooping Version		v1, v2, v3	v1, v2, v3	v1, v2, v3	
Performance	Bandwidth	78 Gbps	78 Gbps	320 Gbps	
	Buffer Memory	1.5 MB Per System	1.5 MB Per System	2 MB Per System	
	Jumbo Frames	10K	10K	9K	
Availability	Spanning Tree 802.1d/RSTP .1w/MSTP .1s	802.1d, .1w, .1s	802.1d, .1w, .1s	802.1d, .1w, .1s	
	RPS Redundant Power Supply	N/A	N/A	N/A	
	Traffic Management	Number of 802.1q VLAN/Number of VLAN Group	256	256	256
Link Aggregation 802.3ad/LACP		•	•	•	
Discovery Protocol LLDP 802.1ab		•	•	•	
Rate Limiting		•	•	•	
Broadcast Storm Control		•	•	•	
L3 Routing	IPv4 Static Routing	•	•	•	
	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	EEE 802.3az	•	•	•	
	Auto Port Power Down	•	•	•	
	Dynamic Power Consumption	•	•	•	
	Max Power Consumption	26.1 Watts	234.31 Watts	49.5W	
	Physical	Desktop/Rackmount/Click	D/R	D/R	R
Metal/Plastic Enclosure		M	M	M	
MTBF		1,078,683 Hours	376,434 hours	276,197 Hours	
Acoustic Noise at 25°C		21 dBA	28.8 dBA	27.4 dBA	
Fan		•	•	•	
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 (17.32 x 8.03 x 1.7 in)	
Weight		1.42 kg (3.13 lb)	1.9 kg (4.19 lb)	2.61 kg (5.76 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/AXM763/ AXM764 /AXM765/ AXC761/3/5/7/10/15/20	AGM731F/AGM732F; AXM761/AXM762/AXM763/ AXM764 /AXM765/ AXC761/3/5/7/10/15/20	AAGM731F/AGM732F; AXM761/AXM762/AXM763/ AXM764 /AXM765/ AXC761/3/5/7/10/15/20	
	ProSUPPORT Maintenance PKGS	OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year	PMB0312 PMB0332 PMB0352	PMB0311 PMB0331 PMB0351	PMB0312 PMB0332 PMB0352

Smart Managed Pro Switches

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



MODEL	XS716T	XS728T	XS748T
Port Configuration	10/100 RJ45 Ports (Auto Uplink)		
	10/100/1000 RJ45 Ports (Auto Uplink)	16 10GBase-T	24 10GBase-T
	Fiber Ports	2 Combo SFP+ (10G)	4 SFP+ (10G)
PoE	Power Over Ethernet 802.3af Ports		
	PoE Plus (30W) 802.3at Ports		
Scalability	Total PoE Budget		
	# MAC Addresses	16,000	32,000
	ARP Table - Size of	738	1,024
System Management	# Routing Entries	32	64
	# ACL Rules	100	100
	Single IP Management	•	•
	Web Managed/GUI	•	•
Quality of Service	Command Line Interface/RS232 Console/Telnet		
	SNMP Version	v1, v2c, v3	v1, v2c, v3
	RMON Group	1,2,3,9	1,2,3,9
	DHCP (Client/Server/Relay)	Client/L2 Relay	Client/L2 Relay
	Port Mirroring	Many-to-One	Many-to-One
	IPv6 full set	•	•
	Number of Priority Queues	8	8
	Traffic Prioritization	802.1p; Diffserv; TCP/UDP	802.1p; Diffserv; TCP/UDP
	Auto Voice VLAN	•	•
	IGMP Snooping Version	v1, v2, v3	v1, v2, v3
Performance	IGMP Snooping Querier	•	•
	Bandwidth	320Gbps	560Gbps
	Buffer Memory	2MB Per System	3MB Per System
Availability	Jumbo Frames	9K	10K
	Spanning Tree 802.1d/RSTP .1w/MSTP .1s	802.1d, .1w, .1s	802.1d, .1w, .1s
	RPS Redundant Power Supply		
Traffic Management	Number of 802.1q VLAN/Number of VLAN Group	256	512
	Link Aggregation 802.3ad/LACP	•	•
	Discovery Protocol LLDP 802.1ab	•	•
	Rate Limiting	•	•
	Broadcast Storm Control	•	•
L3 Routing	IPv4 Static Routing	•	•
	IEEE 802.1x (RADIUS)	•	•
	ACL - Access Control Lists	MAC, IP, TCP	MAC, IP, TCP
	SSL/SSH & HTTPS	HTTPS	HTTPS
	Guest VLAN	•	•
	DHCP Snooping/IP Source Guard/ARP Guard	•	•
	TACACS+	•	•
Energy Efficiency	Auto Port Power Down	•	•
	Dynamic Power Consumption	•	•
	Max Power Consumption	96.0W	134.9W
	Desktop/Rackmount/Click	R	R
	Metal/Plastic Enclosure	M	M
Physical	MTBF	276,832 Hours	514,977 Hours
	Acoustic Noise at 25°C	29.1 dBA	41.6 dBA
	Fan	•	•
	Width x Depth x Height	440 x 204 x 43 mm (17.32 x 8.03 x 1.7 in)	440 x 310 x 43 mm (17.32 x 12.2 x 1.7 in)
Electromagnetic Compliance	Weight	2.98 kg (6.57 lb)	5.04 kg (11.11 lb)
	Class (A or B)	A	A
	Warranty Hardware	Lifetime	Lifetime
Warranty Power Supply	Lifetime	Lifetime	
Modules	AGM731F/AGM732F; AXM761/ AXM762/AXM763/AXM764 /AXM765/ AXC761/3/5/7/10/15/20	AGM731F/AGM732F; AXM761/ AXM762/AXM763/AXM764 /AXM765/ AXC761/3/5/7/10/15/20	AGM731F/AGM732F; AXM761/ AXM762/AXM763/AXM764 /AXM765/ AXC761/3/5/7/10/15/20
	ProSUPPORT Maintenance PKGS	OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year	PMB0312 PMB0332 PMB0352

WHY SMART BUSINESSES CHOOSE SMART CLOUD SWITCHES



NETGEAR is revolutionizing the switching business with its new Insight Managed Smart Cloud network devices with full remote management and monitoring capabilities. Networking and IT made easy is now reality!

With NETGEAR Insight app and Insight Cloud Portal, you can now quickly discover, setup, monitor and manage your Insight Managed Switches and Wireless Access Points as well as your Business-class ReadyNAS storage devices,

from anywhere! Whether at home, out of the office or on a business trip, you can still manage your network as if you were right there, all from any device and from anywhere in the world. You are in control of your network and can enjoy the peace of mind you never experienced before when dealing with IT.

Your Network. Anytime. Anywhere.

Discover the 10 reasons why our customers love NETGEAR Insight Managed Smart Cloud Switches

1	Remote app monitoring and management	Setup, monitor and manage your Smart Cloud switches from anywhere with NETGEAR Insight iOS and Android app, as well as from the Insight Cloud Portal together with your Insight Managed Wireless Access Points, and ReadyNAS storage devices.
2	Affordable Cloud managed Switches	Fully-integrated cloud-manageable devices; no additional hardware, server, appliance, or cloud key needed.
3	Saves you time	Save yourself time doing the administration of your networking devices. In two simple screens, Networks and Devices, you can monitor and configure your Insight network appliances anywhere anytime. It includes updating firmware, rebooting, adding and removing devices.
4	Switches you want to show	With their new, modern and sleek design, these white Smart Cloud switches are devices you will want to display.
5	Rich feature-set	Advanced VLAN and QoS, Advanced Security, L3 lite routing capabilities, ACL or SNMP are some of the many features that are available in Smart Cloud switches.
6	Deploy anywhere	Desktop or rackmount form factors and silent or whisper-quiet operation makes them the perfect switches to deploy in any environment, even noise-sensitive.
7	Designed as a Core Switch	Powerful L2+/Layer 3 Lite features make them the most cost-effective core switches for SMB and virtualization environment
8	Power it all	Choose from a choice of PoE/PoE+ power to enable seamless PoE connection of standard PoE devices (IP Phones, Wireless Access Points, IP Cameras even high-power Pan-Tilt-Zoom models, IoT devices, etc).
9	Smart redundancy	Smart switches mean smart redundancy with Link protection, Spanning Tree, LACP, switch protection, no-downtime stacking.
10	Industry-leading 5-year limited hardware warranty	Quality, durability, and peace of mind from NETGEAR

Smart Cloud Switches

Insight Managed Smart Cloud, L2, Gigabit

MODEL	GC110	GC110P	GC510P	
Unified Network Management	Discovery, setup, monitoring and management			
(Discovery, Setup, Monitoring & Management)	Remote/Cloud management	NETGEAR Insight mobile app on phone or tablet, or Insight Cloud Portal from PC, Mac, or tablet web browser		
	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) Multi-site, multi-network single pane-of-glass view	Additional Insight Managed devices added to the network automatically inherit the network configuration Manage multiple sites, locations, and networks in a single view using the Insight app		
Port Configuration	10/100/1000 RJ45 Ports (Auto Uplink)	8	8	
	1G SFP Fiber Ports	2 dedicated	2 dedicated	
PoE (Power over Ethernet)	Power Over Ethernet 802.3af Ports	8		
	PoE Plus (30W) 802.3at Ports	8		
	Total PoE Budget	62 Watts	134 Watts	
	Advanced per-port PoE controls (enable/disable/power limit)	Yes	Yes	
LEDs	Advanced per-port PoE scheduling	Yes	Yes	
	Front (per device) - Desktop models	Cloud/Internet Connection, Power	Cloud/Internet Connection, Power	Cloud/Internet Connection, Power
	Rear (port side) (per device) - Desktop models Front (port side) (per device) - Rackmount models	Cloud/Internet Connection, Power	Cloud/Internet Connection, Power, PoE Max	Cloud/Internet Connection, Power, PoE Max
	Rear (port side) (per port) - Desktop models Front (port side) (per port) - Rackmount models	Speed/Link/Activity	Speed/Link/Activity (left), PoE Power (right)	Speed/Link/Activity (left), PoE Power (right)
Scalability	# MAC Addresses	16000	16000	
	# 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	
	DHCP (Client/Server/Relay)	Client	Client	
	Port Mirroring	Many-to-One	Many-to-One	
Quality of Service	IPv6 Management	Yes	Yes	
	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	802.1p, DSCP, Diffserv
Multicast Filtering	Auto Voice VLAN	Yes	Yes	
	IGMP Snooping Version	v1, v2, v3	v1, v2, v3	
Performance	IGMP Snooping Querier	Yes	Yes	
	Bandwidth	20 Gbps	20 Gbps	
	Buffer Memory	1.5 MB Per System	1.5 MB Per System	
Availability	Jumbo Frames	Yes	Yes	
	Spanning Tree 802.1d/RSTP .1w/MSTP .1s	802.1d, .1w, .1s	802.1d, .1w, .1s	
Traffic Management	Number of 802.1q VLAN/Number of VLAN Group	256	256	
	Link Aggregation 802.3ad/LACP	Yes	Yes	
	Discovery Protocol LLDP 802.1ab	Yes	Yes	
	Rate Limiting	Yes	Yes	
	Broadcast Storm Control	Yes	Yes	
	Max Power Consumption	10.1 Watts	74.4 Watts (full PoE)	146.9 Watts (full PoE)
Security	IPv4/IPv6 Static Routing	Yes	Yes	
	IEEE 802.1x (RADIUS)	Yes	Yes	
	ACL - Access Control Lists	MAC, IP, TCP	MAC, IP, TCP	MAC, IP, TCP
	SSL/SSH & HTTPS	SSL/HTTPS	SSL/HTTPS	SSL/HTTPS
	Guest VLAN	Yes	Yes	
	DHCP Snooping/IP Source Guard	Yes	Yes	
	TACACS+	Yes	Yes	
	IEEE 802.3az	Yes	Yes	
	Auto Port Power Down	Yes	Yes	
	Dynamic Power Consumption	Yes	Yes	
Energy Efficiency	MTBF	4,013,311 hrs (458 yrs)	2,976,994 hrs (340 yrs)	692,457 hrs (79 yrs)
	Acoustic Noise	0dB	0dB	0dB
	Fan			
	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)	314 x 188 x 44 mm (12.4 x 7.4 x 1.7 in)
	Weight	0.74 kg (1.63 lb)	0.77 kg (1.70 lb)	2.00 kg (4.41 lb)
	Class (A or B)	A	A	A
	Warranty Switch*	5-years	5-years	5-years
Warranty External Power Adapter	2-years	2-years		
Modules	AGM731F, AGM732F, AGM734	AGM731F, AGM732F, AGM734	AGM731F, AGM732F, AGM734	
	ProSUPPORT Maintenance Pkgs***	PMB0S12 PMB0S32 PMB0S52	PMB0S12 PMB0S32 PMB0S52	PMB0S12 PMB0S32 PMB0S52
	OnCall 24x7 1-year			
	OnCall 24x7 3-year			
	OnCall 24x7 5-year			

Smart Cloud Switches

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



MODEL	GC510PP	GC728X	GC728XP
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	
Port Configuration	10/100/1000 RJ45 Ports (Auto Uplink)	8	24
	1G SFP Fiber Ports	2 dedicated	2 dedicated
	10G SFP+ Fiber Ports	2 dedicated	2 dedicated
	PoE Plus (30W) 802.3at Ports	8	24
	Total PoE Budget	195 Watts	390 Watts
	Advanced per-port PoE controls (enable/disable/power limit)	Yes	Yes
	Advanced per-port PoE scheduling	Yes	Yes
LEDs	Front (per device) - Desktop models	Cloud/Internet Connection, Power	
	Rear (port side) (per device) - Desktop models	Cloud/Internet Connection, Power, PoE Max, Fan Status	
	Front (port side) (per device) - Rackmount models	Cloud/Internet Connection, Power, PoE Max, Fan Status	
	Rear (port side) (per port) - Desktop models	Speed/Link/Activity (left), PoE Power (right)	Speed/Link/Activity
	Front (port side) (per port) - Rackmount models	Speed/Link/Activity (left), PoE Power (right)	Speed/Link/Activity (left), PoE Power (right)
Scalability	# MAC Addresses	16000	16000
	ARP Table - Size of	384	384
	# Routing Entries	32 IPv4 / 31 IPv6	32 IPv4 / 31 IPv6
	# ACL Rules (Shared for MAC, IP and IPv6 ACLs)	100	100
System Management	Cloud/Remote Management	Yes	Yes
	Mobile app and Cloud Portal management	Yes	Yes
	uPnP Discovery & Bonjour Discovery	Yes	Yes
	Centralized network configuration (policies)	Yes	Yes
	Device auto-join and configure (zero-touch provisioning)	Yes	Yes
	Multi-site, multi-network single pane-of-glass view	Yes	Yes
	Multi-switch, multi-port concurrent configuration	Yes	Yes
	Network/global password (for all Insight Managed devices on a network)	Yes	Yes
	Local-only Web Browser-Based Managed/GUI	Yes	Yes
	SNMP Version	v1, v2c, v3	v1, v2c, v3
	RMON Group	1,2,3,9	1,2,3,9
	DHCP (Client/Server/Relay)	Client	Client
	Port Mirroring	Many-to-One	Many-to-One
	IPv6 Management	Yes	Yes
	Firmware upgrade direct from Cloud (via mobile device)	Yes	Yes
Quality of Service	Number of Priority Queues	8	8
	Traffic Prioritization	802.1p, DSCP, Diffserv	802.1p, DSCP, Diffserv
	Auto Voice VLAN	Yes	Yes
Multicast Filtering	IGMP Snooping Version	v1, v2, v3	v1, v2, v3
	IGMP Snooping Querier	Yes	Yes
Performance	Bandwidth	20 Gbps	92 Gbps
	Buffer Memory	1.5 MB Per System	1.5 MB Per System
	Jumbo Frames	Yes	Yes
Availability	Spanning Tree 802.1d/RSTP .1w/MSTP .1s	802.1d, .1w, .1s	802.1d, .1w, .1s
Traffic Management	Number of 802.1q VLAN/Number of VLAN Group	256	256
	Link Aggregation 802.3ad/LACP	Yes	Yes
	Discovery Protocol LLDP 802.1ab	Yes	Yes
	Rate Limiting	Yes	Yes
	Broadcast Storm Control	Yes	Yes
L3 Routing	IPv4/IPv6 Static Routing	Yes	Yes
Security	IEEE 802.1x (RADIUS)	Yes	Yes
	ACL - Access Control Lists	MAC, IP, TCP	MAC, IP, TCP
	SSL/SSH & HTTPS	SSL/HTTPS	SSL/HTTPS
	Guest VLAN	Yes	Yes
	DHCP Snooping/IP Source Guard	Yes	Yes
	TACACS+	Yes	Yes
Energy Efficiency	IEEE 802.3az	Yes	Yes
	Auto Port Power Down	Yes	Yes
	Dynamic Power Consumption	Yes	Yes
	Max Power Consumption	200.0 Watts (full PoE)	18.5 Watts
Physical	Desktop/Wallmount (VESA)/Rackmount	D/W/R	D/R
	Metal/Plastic Enclosure	M	M
	MTBF	381,503 hrs (44 yrs)	1,874,356 hrs (214 yrs)
	Acoustic Noise	28 dBA	28 dBA
	Fan	1 (whisper-quiet)	2 (dynamic)
	Width x Depth x Height	314 x 188 x 44 mm (12.4 x 7.4 x 1.7 in)	440 x 224 x 44 mm (17.3 x 8.8 x 1.7 in)
	Weight	2.23 kg (4.92 lb)	2.81 kg (6.19 lb)
Electromagnetic Compliance	Class (A or B)	A	A
Warranty Switch*		5-years	5-years
Modules		AGM731F, AGM732F, AGM734	AGM731F, AGM732F, AGM734, AXM761, AXM762, AXM763, AXM764, AXM765, AXM766, AXM767, AXM768, AXM769, AXM770, AXM771, AXM772, AXM773, AXM774, AXM775, AXM776, AXM777, AXM778, AXM779, AXM780, AXM781, AXM782, AXM783, AXM784, AXM785, AXM786, AXM787, AXM788, AXM789, AXM790, AXM791, AXM792, AXM793, AXM794, AXM795, AXM796, AXM797, AXM798, AXM799, AXM800
ProSUPPORT Maintenance Pkgs***	OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year	PMB0512 PMB0532 PMB0552	PMB0311 PMB0331 PMB0351

Fully Managed Switches

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

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



MODEL	M4100-50-POE (FSM7250P)	M4100-D12G (GSM5212)
Port Configuration	10/100 RJ45 Ports (Auto Uplink)	48
	10/100/1000 RJ45 Ports (Auto Uplink)	2
	Fiber Ports	2 SFP
PoE	Power Over Ethernet 802.3af Ports	48
	PoE Plus (30W) 802.3at Ports	1 (PD: powered by PoE+)
	Total PoE Budget	380W standard / up to 740W with EPS
Scalability	# MAC Addresses	16,000
	ARP Table - Size of	512
	# Routing Entries	64
	# ACL Rules	512
System Management	Single IP Management	
	Web Managed/GUI	•
	Command Line Interface/RS232 Console/Telnet	•
	SNMP Version	v1, v2c, v3
	RMON Group	1, 2, 3, 9
	DHCP (Client/Server/Relay)	Client/Server/L3 Relay
	Port Mirroring	Many-to-One
	IPv6 full set	•
Quality of Service	Number of Priority Queues	8
	Traffic Prioritization	802.1p ; Diffserv ; TCP/UDP
	Auto Voice VLAN	•
Multicast Filtering	IGMP Snooping Version	v1, v2, v3
	IGMP Snooping Querier	•
Performance	Bandwidth	9Gbps
	Buffer Memory	12Mb
	Jumbo Frames	9K
Availability	Spanning Tree 802.1d/RSTP .1w/MSTP .1s	802.1d, .1w, .1s
	RPS Redundant Power Supply	RPS / EPS
Traffic Management	Number of 802.1q VLAN/Number of VLAN Group	1,024 / 1,024
	Link Aggregation 802.3ad/LACP	•
	Discovery Protocol LLDP 802.1ab	•
	Rate Limiting	•
	Broadcast Storm Control	•
L3 Routing	IPv4 Static Routing	•
Security	IEEE 802.1x (RADIUS)	•
	ACL - Access Control Lists	MAC, IP, TCP
	SSL/SSH & HTTPS	SSL/SSH & HTTPS
	Guest VLAN	•
	DHCP Snooping	•
	TACACS+	•
	Auto Port Power Down	•
	Dynamic Power Consumption	•
	Max Power Consumption	486.64W
Physical	Desktop/Rackmount/Click	R
	Metal/Plastic Enclosure	M
	MTBF	163,019 Hours
	Acoustic Noise at 25°C	38.9 dbA
	Fan	•
	Width x Depth x Height	440 x 310 x 43.2 mm (17.32 x 12.20 x 1.7 in)
	Weight	4.96 kg (10.9 lb)
Electromagnetic Compliance	Class (A or B)	A
Warranty Hardware		Lifetime
Warranty Power Supply		Lifetime
Modules		AFM735/ AGM731F/AGM732F, RPS4000 (RPS/EPS x4 switches)
ProSUPPORT Maintenance PKGS	OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year	PMB0312 PMB0332 PMB0352

Fully Managed Switches

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



MODEL	M4100-12GF (GSM7212F)	M4100-26G (GSM7224)	M4100-50G (GSM7248)	M4100-26G-POE (GSM7226LP)
Port Configuration	10/100 RJ45 Ports (Auto Uplink)			
	10/100/1000 RJ45 Ports (Auto Uplink)	12	26	50
	Fiber Ports	12 SFP	4 SFP	4 SFP
PoE	Power Over Ethernet 802.3af Ports	4		24
	PoE Plus (30W) 802.3at Ports	4		
	Total PoE Budget	150W standard		192W standard / up to 380W with EPS
Scalability	# MAC Addresses	16,000	16,000	16,000
	ARP Table - Size of	512	512	512
	# Routing Entries	64	64	64
	# ACL Rules	512	512	512
System Management	Web Managed/GUI	•	•	•
	Command Line Interface/RS232 Console/Telnet	•	•	•
	SNMP Version	v1, v2c, v3	v1, v2c, v3	v1, v2c, v3
	RMON Group	1, 2, 3, 9	1, 2, 3, 9	1, 2, 3, 9
	DHCP (Client/Server/Relay)	Client/Server/L3 Relay	Client/Server/L3 Relay	Client/Server/L3 Relay
	Port Mirroring	Many-to-One	Many-to-One	Many-to-One
	IPv6 full set	•	•	•
Quality of Service	Number of Priority Queues	8	8	8
	Traffic Prioritization	802.1p ; Diffserv ; TCP/UDP	802.1p ; Diffserv ; TCP/UDP	802.1p ; Diffserv ; TCP/UDP
Multicast Filtering	Auto Voice VLAN	•	•	•
	IGMP Snooping Version	v1, v2, v3	v1, v2, v3	v1, v2, v3
	IGMP Snooping Querier	•	•	•
Performance	Bandwidth	24Gbps	52Gbps	100Gbps
	Buffer Memory	12Mb	12Mb	12Mb
	Jumbo Frames	9K	9K	9K
Availability	Spanning Tree 802.1d/RSTP .1w/MSTP .1s	802.1d, .1w, .1s	802.1d, .1w, .1s	802.1d, .1w, .1s
	RPS Redundant Power Supply	RPS	RPS	RPS / EPS
Traffic Management	Number of 802.1q VLAN/Number of VLAN Group	1,024/1,024	1,024/1,024	1,024/1,024
	Link Aggregation 802.3ad/LACP	•	•	•
	Discovery Protocol LLDP 802.1ab	•	•	•
	Rate Limiting	•	•	•
	Broadcast Storm Control	•	•	•
L3 Routing	IPv4 Static Routing	•	•	•
	IPv4 RIPv1/2, OSPFv1/2, VRRP, EMCP	•	•	•
Security	IEEE 802.1x (RADIUS)	•	•	•
	ACL - Access Control Lists	MAC, IP, TCP	MAC, IP, TCP	MAC, IP, TCP
	SSL/SSH & HTTPS	SSL/SSH & HTTPS	SSL/SSH & HTTPS	SSL/SSH & HTTPS
	Guest VLAN	•	•	•
	DHCP Snooping/IP Source Guard/ARP Guard	•	•	•
	TACACS+	•	•	•
	Energy Efficiency	IEEE 802.3az	•	•
Physical	Auto Port Power Down	•	•	•
	Dynamic Power Consumption	•	•	•
	Power Consumption	160,6 Watts	31,6 Watts	49,5 Watts
	Desktop/Rackmount/Click	R	R	R
	Metal/Plastic Enclosure	M	M	M
	MTBF	670,956 hours	702,785 hours	489,311 hours
	Acoustic Noise at 25°C	30dB	35,6dB	37,2dB
	Fan	•	•	•
	Width x Depth x Height	440 x 257 x 43.2 mm (17.3 x 10.12 x 1.7 in)	440 x 257 x 43.2 mm (17.3 x 10.12 x 1.7 in)	440 x 257 x 43.2 mm (17.3 x 10.12 x 1.7 in)
	Weight	3,665 kg (8.08 lb)	3,24 kg (7.1 lb)	3,63 kg (8.0 lb)
Electromagnetic Compliance	Class (A or B)	A	A	
Warranty Hardware	Lifetime	Lifetime	Lifetime	
Warranty Power Supply	Lifetime	Lifetime	Lifetime	
Modules	AFM735/ AGM731F/ AGM732F, RPS4000 (RPS x4 switches)	AFM735/ AGM731F/ AGM732F, RPS4000 (RPS x4 switches)	AFM735/ AGM731F/ AGM732F, RPS4000 (RPS x4 switches)	
ProSUPPORT Maintenance PKGS	OnCall 24x7 1-year	PMB0312	PMB0312	PMB0312
	OnCall 24x7 3-year	PMB0332	PMB0332	PMB0332
	OnCall 24x7 5-year	PMB0352	PMB0352	PMB0352

Fully Managed Switches

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



Fully Managed, M4200 series (L3 with RIPv), 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
	Fiber Ports	4 SFP	4 SFP
PoE	Power Over Ethernet 802.3af Ports	24	48
	PoE Plus (30W) 802.3at Ports	24	48
	Total PoE Budget	380W standard / up to 720W with EPS	380W standard / up to 1,440W with EPS
Scalability	# MAC Addresses	16,000	16,000
	ARP Table - Size of	512	512
	# Routing Entries	64	64
	# ACL Rules	512	512
System 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
Multicast Filtering	Auto Voice VLAN	•	•
	IGMP Snooping Version	v1, v2, v3	v1, v2, v3
	IGMP Snooping Querier	•	•
Performance	Bandwidth	48Gbps	100Gbps
	Buffer Memory	12Mb	12Mb
	Jumbo Frames	9K	9K
Availability	Spanning Tree 802.1d/RSTP .1w/MSTP .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
	Link Aggregation 802.3ad/LACP	•	•
	Discovery Protocol LLDP 802.1ab	•	•
	Rate Limiting	•	•
	Broadcast Storm Control	•	•
L3 Routing	IPv4 Static Routing	•	•
	IPv4 RIPv1/2, OSPFv1/2, VRRP, EMCP	•	RIP v1, v2
Security	IEEE 802.1x (RADIUS)	•	•
	ACL - Access Control Lists	MAC, IP, TCP	MAC, IP, TCP
	SSL/SSH & HTTPS	SSL/SSH & HTTPS	SSL/SSH & HTTPS
	Guest VLAN	•	•
	DHCP Snooping/IP Source Guard/ARP Guard	•	•
	TACACS+	•	•
	Energy Efficiency	IEEE 802.3az	•
Physical	Auto Port Power Down	•	•
	Dynamic Power Consumption	•	•
	Power Consumption	533 Watts	555.5 Watts
	Desktop/Rackmount/Click	R	R / Easy Mount
	Metal/Plastic Enclosure	M	M
	MTBF	394,619 hours	239,298 hours
	Acoustic Noise at 25°C	33.8 dBA	47.7 dBA
	Fan	•	•
	Width x Depth x Height	440 x 257 x 43.2 mm (17.3 x 10.12 x 1.7 in)	440 x 310 x 43.2 mm (17.32 x 12.20 x 1.7 in)
	Weight	4,368 kg (9.63 lb)	4,96 kg (10.9lb)
Electromagnetic Compliance	Class (A or B)	A	
Warranty Hardware	Lifetime	Lifetime	
Warranty Power Supply	Lifetime	Lifetime	
Modules	AFM735/ AGM731F/AGM732F, RPS4000 (RPS/EPs x4 switches)	AFM735/ AGM731F/AGM732F, RPS4000 (RPS/EPs x4 switches)	
ProSUPPORT Maintenance PKGS	OnCall 24x7 1-year	PMB0312	PMB0312
	OnCall 24x7 3-year	PMB0332	PMB0332
	OnCall 24x7 5-year	PMB0352	PMB0352

WHAT SETS NETGEAR M4300 APART?

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

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

Discover the 10 reasons why our customers love M4300

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

Fully Managed Switches

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



MODEL	M4300-28G (GSM4328S)	M4300-52G (GSM4352S)	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	24 / 2 10GBase-T
	Fiber Ports	2 SFP+ (10G)	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	Up to 4 10G ports
	Stacking Bandwidth	80Gbps	80Gbps	80Gbps
	Stacking (maximum capacity)	8 switches	8 switches	8 switches
	Stacking Compatibility	M4300 series	M4300 series	M4300 series
Scalability	# MAC Addresses	16,000	16,000	16,000
	ARP Table – Size of	2,048	2,048	2,048
	# Routing Entries	12,000	12,000	12,000
	# ACL Rules	16,384 (ingress, egress)	16,384 (ingress, egress)	16,384 (ingress, egress)
System Management	Single IP Management	•	•	•
	Web Managed/GUI	•	•	•
	Command Line Interface/RS232 Console/Telnet	•	•	•
	SNMP Version	v1, v2c, v3	v1, v2c, v3	v1, v2c, v3
	RMON Group	1, 2, 3, 9	1, 2, 3, 9	1, 2, 3, 9
	DHCP (Client/Server/Relay)	Client/Server/L3 Relay	Client/Server/L3 Relay	Client/Server/L3 Relay
	Port Mirroring	Many-to-One; RSPAN	Many-to-One; RSPAN	Many-to-One; RSPAN
	IPv6 full set	•	•	•
Quality of Service	Number of Priority Queues	8	8	8
	Traffic Prioritization	802.1p ; Diffserv ; TCP/UDP	802.1p ; Diffserv ; TCP/UDP	802.1p ; Diffserv ; TCP/UDP
	Auto Voice VLAN	•	•	•
Multicast Filtering	IGMP Snooping Version	v1, v2, v3	v1, v2, v3	v1, v2, v3
	IGMP Snooping Querier	•	•	•
Performance	Bandwidth	128Gbps	176Gbps	128Gbps
	Buffer Memory	16Mb	16Mb	16Mb
	Jumbo Frames	9K	9K	9K
Availability	Spanning Tree 802.1d/RSTP .1w/MSTP .1s	802.1d, .1w, .1s; PV(R)STP	802.1d, .1w, .1s; PV(R)STP	802.1d, .1w, .1s; PV(R)STP
	RPS Redundant Power Supply	Second optional APS150W	Second optional APS150W	Second optional APS550W (PA) Second optional APS1000W (PB)
	Modular Power Supply	APS150W	APS150W	APS550W (PA) or APS1000W (PB)
Traffic Management	Number of 802.1q VLAN/Number of VLAN Group	4,093/4,093	4,093/4,093	4,093/4,093
	Link Aggregation 802.3ad/LACP	•	•	•
	Discovery Protocol LLDP 802.1ab	•	•	•
	Rate Limiting	•	•	•
	Broadcast Storm Control	•	•	•
L3 Routing	IPv4 Static Routing	•	•	•
	IPv4 RIPv1/2, OSPFv1/2, VRRP, EMCP	•	•	•
	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
	SSL/SSH & HTTPS	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	34.5 Watts	47.4 Watts	577W (PA 1 PSU) 833.2W (PB 1 PSU)
	Desktop/Rackmount/Click	R	R	R
	Metal/Plastic Enclosure	M	M	M
	MTBF	1,328,968 hours	578,472 hours	1,189,685 hours
	Acoustic Noise at 25°C	30.3dBA	31.5dBA	39.8dBA
	Fan	Front to back	Front to back	Front to back
	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)	440 x 310 x 44 mm (17.32 x 12.2 x 1.73 in)
Electromagnetic Compliance	Weight	4.51kg (9.94lb)	4.91kg (10.81lb)	5.09kg (11.21lb)
	Class (A or B)	A	A	A
Warranty Hardware	Lifetime	Lifetime	Lifetime	
Warranty Power Supply	Lifetime	Lifetime	Lifetime	
Modules	AGM731F/AGM732F; AXC761/3/5/7/10/15/20 AXM761/AXM762/AXM763/ AXM764/AXM765	AGM731F/AGM732F; AXC761/3/5/7/10/15/20 AXM761/AXM762/AXM763/ AXM764/AXM765	AGM731F/AGM732F; AXC761/3/5/7/10/15/20 AXM761/AXM762/AXM763/ AXM764/AXM765	AGM731F/AGM732F; AXC761/3/5/7/10/15/20 AXM761/AXM762/AXM763/ AXM764/AXM765
	ProSUPPORT Maintenance PKGS	OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year	PMB0313 PMB0333 PMB0353	PMB0313 PMB0333 PMB0353

Fully Managed Switches

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



MODEL	M4300-8X8F (XSM4316S)	M4300-12X12F (XSM4324S)	M4300-24X (XSM4324CS)	M4300-24X24F (XSM4348S)
Port Configuration	10/100/1000 RJ45 Ports (Auto Uplink)	8 10GBase-T	12 10GBase-T	24 10GBase-T
	Fiber Ports	8 SFP+ (10G)	12 SFP+ (10G)	4 combo SFP+ (10G)
	10Gig Module Bays			
PoE	Power Over Ethernet 802.3af Ports			
	PoE Plus (30W) 802.3at Ports			
	Total PoE Budget			
Stacking	Number of Dedicated Stacking Ports	Up to 16 10G ports	Up to 16 10G ports	Up to 16 10G ports
	Stacking Bandwidth	320Gbps	320Gbps	320Gbps
	Stacking (maximum capacity)	8 switches	8 switches	8 switches
	Stacking Compatibility	M4300 series	M4300 series	M4300 series
Scalability	# MAC Addresses	16,000	16,000	128,000
	ARP Table – Size of	2,048	2,048	2,048
	# Routing Entries	12,000	12,000	12,000
	# 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
Multicast Filtering	IGMP Snooping Version	v1, v2, v3	v1, v2, v3	v1, v2, v3
	IGMP Snooping Querier	•	•	•
Performance	Bandwidth	320Gbps	480Gbps	960Gbps
	Buffer Memory	16Mb	32Mb	56Mb
	Jumbo Frames	9K	9K	9K
Availability	Spanning Tree 802.1d/RSTP .1w/MSTP .1s	802.1d, .1w, .1s; PV(R)STP	802.1d, .1w, .1s; PV(R)STP	802.1d, .1w, .1s; PV(R)STP
	RPS Redundant Power Supply	Second optional APS250W		
Traffic Management	Modular Power Supply	APS250W	APS250W	APS250W
	Number of 802.1q VLAN/Number of VLAN Group	4,093/4,093	4,093/4,093	4,093 / 4,093
	Link Aggregation 802.3ad/LACP	•	•	•
	Discovery Protocol LLD/LLDP 802.1ab	•	•	•
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	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+	•	•	•
	IEEE 802.3az	•	•	•
Energy Efficiency	Auto Port Power Down	•	•	•
	Dynamic Power Consumption	•	•	•
	Power Consumption	49 Watts	97 Watts	125 Watts
Physical	Desktop/Rackmount/Click	R	R	R
	Metal/Plastic Enclosure	M	M	M
	MTBF	196,120 hours	192,898 hours	247,437 hours
	Acoustic Noise at 25°C	36.9dBA	36.9dBA	37dBA
	Fan	Front to back	Front to back	Front to back
	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)
	Weight	3.32kg (7.31lb)	3.69kg (8.14lb)	4.14kg (9.12lb)
Electromagnetic Compliance	Class (A or B)	A	A	
Warranty Hardware	Lifetime	Lifetime	Lifetime	
Warranty Power Supply	Lifetime	Lifetime	Lifetime	
Modules	AGM731F/AGM732F; AXC761/3/5/7/10/15/20 AXM761/AXM762/AXM763/AXM764/AXM765	AGM731F/AGM732F; AXC761/3/5/7/10/15/20 AXM761/AXM762/AXM763/AXM764/AXM765	AGM731F/AGM732F; AXC761/3/5/7/10/15/20 AXM761/AXM762/AXM763/AXM764/AXM765	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 PMB0334 PMB0353	PMB0314 PMB0334 PMB0354
		PMB0313 PMB0334 PMB0353	PMB0314 PMB0334 PMB0354	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, M5300 series (L3), Gigabit and 10-Gigabit

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




MODEL	M4300-48X (XSM4348CS)	M4300-96X (XSM4396K0 OR K1)	M5300-28GF3 (GSM7328FS)	M6100 SERIES (XCM8900)
Port Configuration	10/100/1000 RJ45 Ports (Auto Uplink)	48 10GBase-T	Up to 96 10GBase-T	Up to 144 / 72 10GBase-T
	Fiber Ports	4 combo SFP+ (10G)	Up to 96 SFP+ / 24 QSFP+	Up to 120 SFP / 48 SFP+
	10Gig Module Bays			2 I/O 10G bays
PoE	Power Over Ethernet 802.3af Ports		Up to 48	Up to 144
	PoE Plus (30W) 802.3at Ports		Up to 48	Up to 144, including UPOE 60W
	Total PoE Budget		Up to 1,440W	Up to 6,000W
Stacking	Number of Dedicated Stacking Ports		Up to 16 10G or 40G ports	2 or 4
	Stacking Bandwidth	320 Gbps	320 Gbps	48Gbps AX742 I/O bays
	Stacking (maximum capacity)	8 switches	8 switches	8 switches, 384 ports
	Stacking Compatibility	M4300 series	M4300 series	M5300, GSM72xxPS, GSM73xxSv2
Scalability	# MAC Addresses	128,000	256,000	32,000
	ARP Table – Size of	8,192	8,192	6,144
	# Routing Entries	12,000	12,000	12,000
	# 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
Multicast Filtering	IGMP Snooping Version	v1, v2, v3	v1, v2, v3	v1, v2, v3
	IGMP Snooping Querier	•	•	•
Performance	Bandwidth	960Gbps	1.920 Tbps	144Gbps
	Buffer Memory	56Mb	96 Mb	16Mb
	Jumbo Frames	9K	9K	12K
Availability	Spanning Tree 802.1d/RSTP .1w/MSTP .1s	802.1d, .1w, .1s; PV(R)STP	802.1d, .1w, .1s; PV(R)STP	802.1d, .1w, .1s; PV(R)STP
	RPS Redundant Power Supply	Second optional APS600W or APS1200W	RPS	N+1 PSU
Traffic Management	Modular Power Supply	APS250W	APS600W or APS1200W	APS135W
	Number of 802.1q VLAN/Number of VLAN Group	4,093 / 4,093	4,093 / 4,093	4,093 / 4,093
	Link Aggregation 802.3ad/LACP	•	•	•
	Discovery Protocol LLD/LLDP 802.1ab	•	•	•
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	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+	•	•	•
	IEEE 802.3az	•	•	•
Energy Efficiency	Auto Port Power Down	•	•	•
	Dynamic Power Consumption	•	•	•
	Power Consumption	237.2 Watts	566 Watts (without PoE) 2,006 Watts (max PoE)	55 Watts
Physical	Desktop/Rackmount/Click	R	R	R
	Metal/Plastic Enclosure	M	M	M
	MTBF	249,393 hours	519,784 hours	539,481 hours
	Acoustic Noise at 25°C	40.3 dBA	35.8dBA (no PoE); 66.8dBA (max PoE)	35.6 dBA
	Fan	Front to back	Front to back	•
	Width x Depth x Height	440 x 345 x 44 mm (17.32 x 13.58 x 1.73 in)	440 x 535 x 88 mm (17.32 x 21.08 x 3.47 in)	440 x 391 x 43.2 mm (17.32 x 15.39 x 1.7 in)
	Weight	6.55 kg (14.44 lb)	16.28 kg (35.86 lb) (K1)	5.4 kg (11.91 lb)
Electromagnetic Compliance	Class (A or B)	A	A	
Warranty Hardware	Lifetime	Lifetime	Lifetime	
Warranty Power Supply	Lifetime	Lifetime	Lifetime	
Modules	AGM731F/AGM732F; AXC761/3/5/7/10/15/20 AXM761/AXM762/AXM763/AXM764/AXM765	AGM731F/AGM732F; AXC761/3/5/7/10/15/20 AXM761/AXM762/AXM763/AXM764/AXM765	AGM731F/AGM732F; AXC761/3/5/7/10/15/20 AXM761/AXM762/AXM763/AXM764/AXM765	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	PMB0314 PMB0334 PMB0354
		PMB0314 PMB0334 PMB0354	PMB0314 PMB0334 PMB0354	PMB0314 PMB0334 PMB0354

Modules and Accessories for Switches


For use with managed switches

Gigabit Fiber Modules




MODEL	AGM731F	AGM732F	AGM734	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/OM2 multimode (275m)	9µm single mode (10km)	Copper CAT5E or better (1000Mbps 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 Year	5 Year	5 Year	5 Year

10-Gigabit Copper and Fiber Modules



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

10-Gigabit Copper and Fiber Modules




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

Modules and Accessories for Switches


For use with managed switches

10-Gigabit Copper and Fiber Modules




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

Modular Power Supply



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

Modular Power Supply



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



SUPPORT

ProSUPPORT for Business

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

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

More Than Just Support — A Business Partnership

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

OnCall 24x7 Tech Support

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

Professional Configuration and Setup Assistance

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

Extended Warranty with Next Business Day Replacement

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

	Zero Cost			Premium	
	Warranty Hardware & Software	90-day FREE Technical Support	Lifetime ProSAFE Online Technical Support	ProSUPPORT OnCall 24x7 Technical Support	ProSUPPORT Extended Hardware Warranty
Products Covered	ALL NETGEAR Business Products	ALL NETGEAR Business Products	Select NETGEAR Business Switches	<ul style="list-style-type: none"> • 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

NETGEAR ProSUPPORT

ProSUPPORT SKU

Services	ProSUPPORT Category	ProSUPPORT Part Number	Contract
OnCall 24x7	ProSUPPORT Category S1	PMB0S11-10000S	1 yr
		PMB0S31-10000S	3 yr
		PMB0S51-10000S	5 yr
	ProSUPPORT Category S2	PMB0S12-10000S PMB0S32-10000S PMB0S52-20000S	1 yr
			3 yr
			5 yr
			5 yr
	ProSUPPORT Category 1	PMB0311-10000S PMB0331-10000S PMB0351-10000S	1 yr
			3 yr
			5 yr
	ProSUPPORT Category 2	PMB0312-10000S PMB0332-10000S PMB0352-10000S	1 yr
			3 yr
			5 yr
ProSUPPORT Category 3	PMB0313-10000S PMB0333-10000S PMB0353-10000S	1 yr	
		3 yr	
		5 yr	
ProSUPPORT Category 4	PMB0314-10000S PMB0334-10000S PMB0354-10000S	1 yr	
		3 yr	
		5 yr	
Professional Setup and Configuration (Remote)	2-hour consultation, 48-hour advance appointment	PSB0304-10000S	

Availability by Product

Category	Product Family	Hardware Warranty	90-Day Free Support	Lifetime Online Tech Support	ProSUPPORT Category
Insight Managed Smart Cloud Switches	GC110	5 Yr	Y	N	Category S2
	GC110P	5 Yr	Y	N	Category S2
	GC510P	5 Yr	Y	N	Category S2
	GC510PP	5 Yr	Y	N	Category S2
	GC728X	5 Yr	Y	N	Category 1
	GC728XP	5 Yr	Y	N	Category 1
Fully Managed Switches	GSM7224	Lifetime	Y	N	Category 2
	GSM7248	Lifetime	Y	N	Category 3
	GSM7328FS	Lifetime	Y	Y	Category 3
	GSM5212	Lifetime	Y	Y	Category 2
	GSM7226LP	Lifetime	Y	Y	Category 2
	GSM7248P	Lifetime	Y	Y	Category 3
	GSM7212F	Lifetime	Y	Y	Category 2
	GSM7224P	Lifetime	Y	Y	Category 2
	GSM4210P	Lifetime	Y	Y	Category 2
	XSM4316S	Lifetime	Y	Y	Category 3
	XSM4324S	Lifetime	Y	Y	Category 4
	XSM4324CS	Lifetime	Y	Y	Category 4
	XSM4348S	Lifetime	Y	Y	Category 4
	XSM4348CS	Lifetime	Y	Y	Category 4
	XSM4396K0	Lifetime	Y	Y	Category 4
	XSM4396K1	Lifetime	Y	Y	Category 4

NETGEAR ProSUPPORT

Availability by Product (continued)

Category	Product Family	Hardware Warranty	90-Day Free Support	Lifetime Online Tech Support	ProSUPPORT Category
Fully Managed Switches	GSM4328S	Lifetime	Y	Y	Category 3
	GSM4328PA	Lifetime	Y	Y	Category 3
	GSM4328PB	Lifetime	Y	Y	Category 3
	GSM4352S	Lifetime	Y	Y	Category 3
	GSM4352PA	Lifetime	Y	Y	Category 3
Fully Managed Switches, Chassis	GSM4352PB	Lifetime	Y	Y	Category 3
	XCM8903SK	Lifetime	Y	Y	Category 4
	XCM8903SF	Lifetime	Y	Y	Category 4
Stackable Smart Managed Pro Switch Bundles	XCM8903SX	Lifetime	Y	Y	Category 4
	GS752TSB	Lifetime	Y	Y	Category 2
	GS752TPSB	Lifetime	Y	Y	Category 2
Stackable Smart Managed Pro Switches	GS728TX	Lifetime	Y	Y	Category 2
	GS728TXP	Lifetime	Y	Y	Category 2
	GS752TX	Lifetime	Y	Y	Category 2
	GS752TXP	Lifetime	Y	Y	Category 3
	GS752TXS	Lifetime	Y	Y	Category 3
Smart Managed Pro Switches	MS510TXPP	Lifetime	Y	Y	Category 2
	MS510TX	Lifetime	Y	Y	Category 2
	FS728TLP	Lifetime	Y	N	Category 1
	FS728TP	Lifetime	Y	N	Category 1
	GS108T	Lifetime	Y	Y	Category S1
	GS110TP	Lifetime	Y	Y	Category S2
	GS418TPP	Lifetime	Y	Y	Category 1
	GS510TP	Lifetime	Y	Y	Category 1
	GS510TLP	Lifetime	Y	Y	Category S2
	GS510TPP	Lifetime	Y	Y	Category S2
	MS510TX	Lifetime	Y	Y	Category S2
	MS510TXPP	Lifetime	Y	Y	Category S2
	GS516TP	Lifetime	Y	Y	Category 1
	GS716T	Lifetime	Y	Y	Category S2
	GS724T	Lifetime	Y	Y	Category 1
GS724TP	Lifetime	Y	Y	Category 1	
GS728TP	Lifetime	Y	Y	Category 1	
GS728TPP	Lifetime	Y	Y	Category 1	
GS748T	Lifetime	Y	Y	Category 1	
GS752TP	Lifetime	Y	Y	Category 2	
GS752TPP	Lifetime	Y	Y	Category 2	
XS708T	Lifetime	Y	Y	Category 1	
XS712T	Lifetime	Y	Y	Category 2	
XS716T	Lifetime	Y	Y	Category 2	
XS728T	Lifetime	Y	Y	Category 3	
XS748T	Lifetime	Y	Y	Category 4	
GS105E	Lifetime	Y	Y	Category S1	
GS105PE	Lifetime	Y	Y	Category S1	
GS108E	Lifetime	Y	Y	Category S1	

NETGEAR ProSUPPORT

Availability by Product (continued)

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

