

NETGEAR[®]

BUSINESS

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NETGEAR[®]

Product Catalog / Volume 23 - 2

NETGEAR[®]
BUSINESS

Product Catalog

Comprehensive
networking solutions
serving corporate IT needs
for today and tomorrow

VOLUME 23 - 2

WHO IS NETGEAR?

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

MILESTONES

- 2003 First Smart Switch
- 2010 First Lightly Managed Switch
- 2011 First 10G Smart Switch
- 2014 Flexible Mounting Click Switch
- 2017 First App Managed Access Point
First Fully Autonomous Cloud Management Switch
First DIY WiFi Mesh Solution for Business
- 2018 AV-over-IP, SDVoE 48/96p, 10G switch
- 2019 First Business Instant Mesh WiFi
First NETGEAR 100G switches
- 2020 First Ultra60 PoE++ Smart Pro switches
First Cloud managed point-to-point bridge
First Business WiFi 6 AX6000 Tri-band WiFi System
Pre-configured switches engineered for AV over IP
- 2021 Easiest and most affordable WiFi 6 Access Points with the Business Essentials line
- 2022 First Tri-Band WiFi 6E Access Point Targeting Small and Medium Businesses

NETGEAR[®]
BUSINESS

DESIGNED WITH YOUR BUSINESS IN MIND

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

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

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

Breaking boundaries to power the future.

Patrick Lo

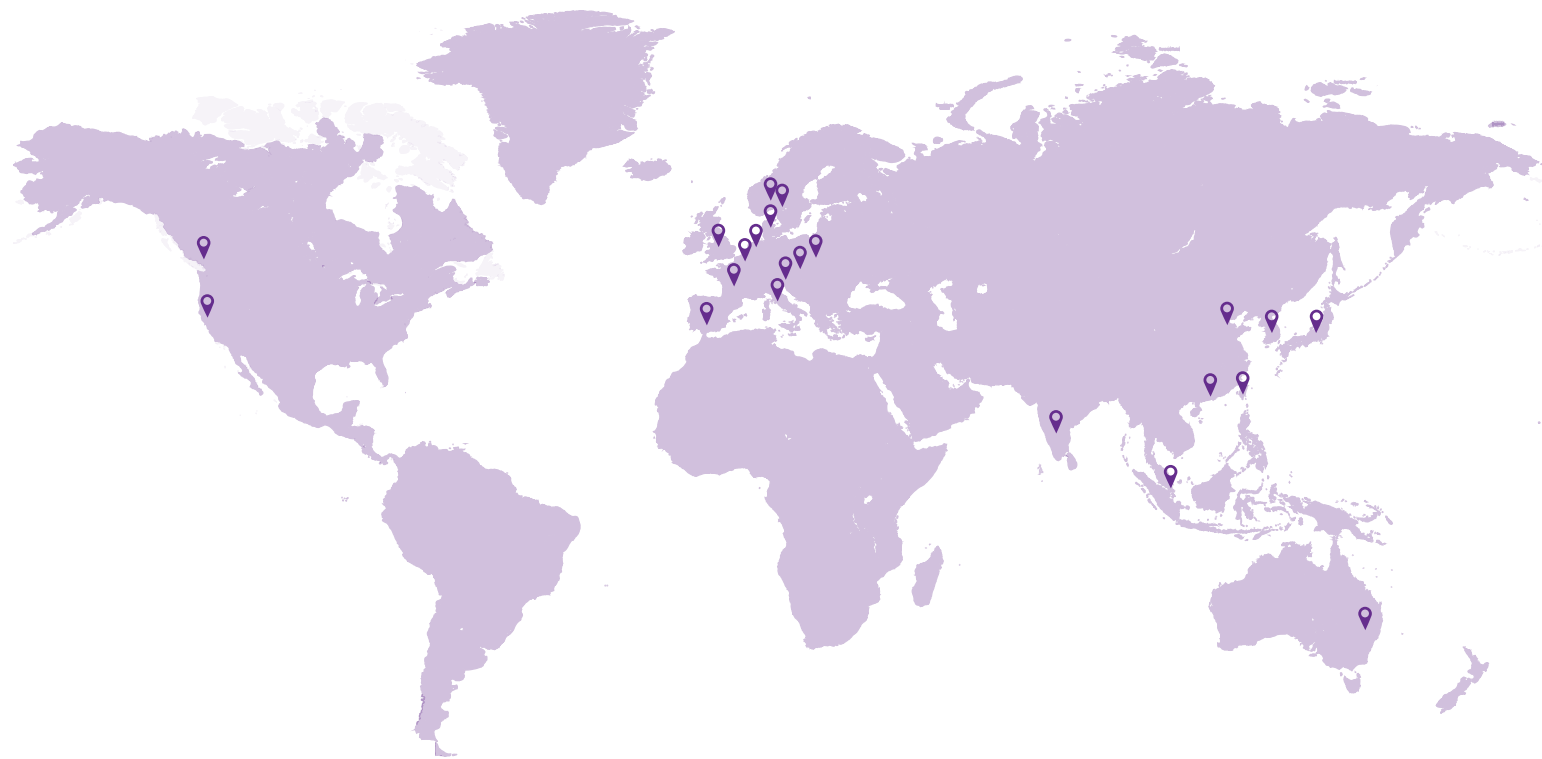
NETGEAR CEO and Co-founder

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

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



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Enterprise-class networking for SMB at the right price

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

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



Brand Promise

Powerful connectivity to maximize your productivity, profitability and potential.



Industry-leading innovation



Easy to use



Modern & affordable

INDUSTRY-LEADING EFFICIENT NETWORKING



Flip the switch on costly problems.

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



Powerful WiFi with ease.

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



Switches Engineered for Pro AV.

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



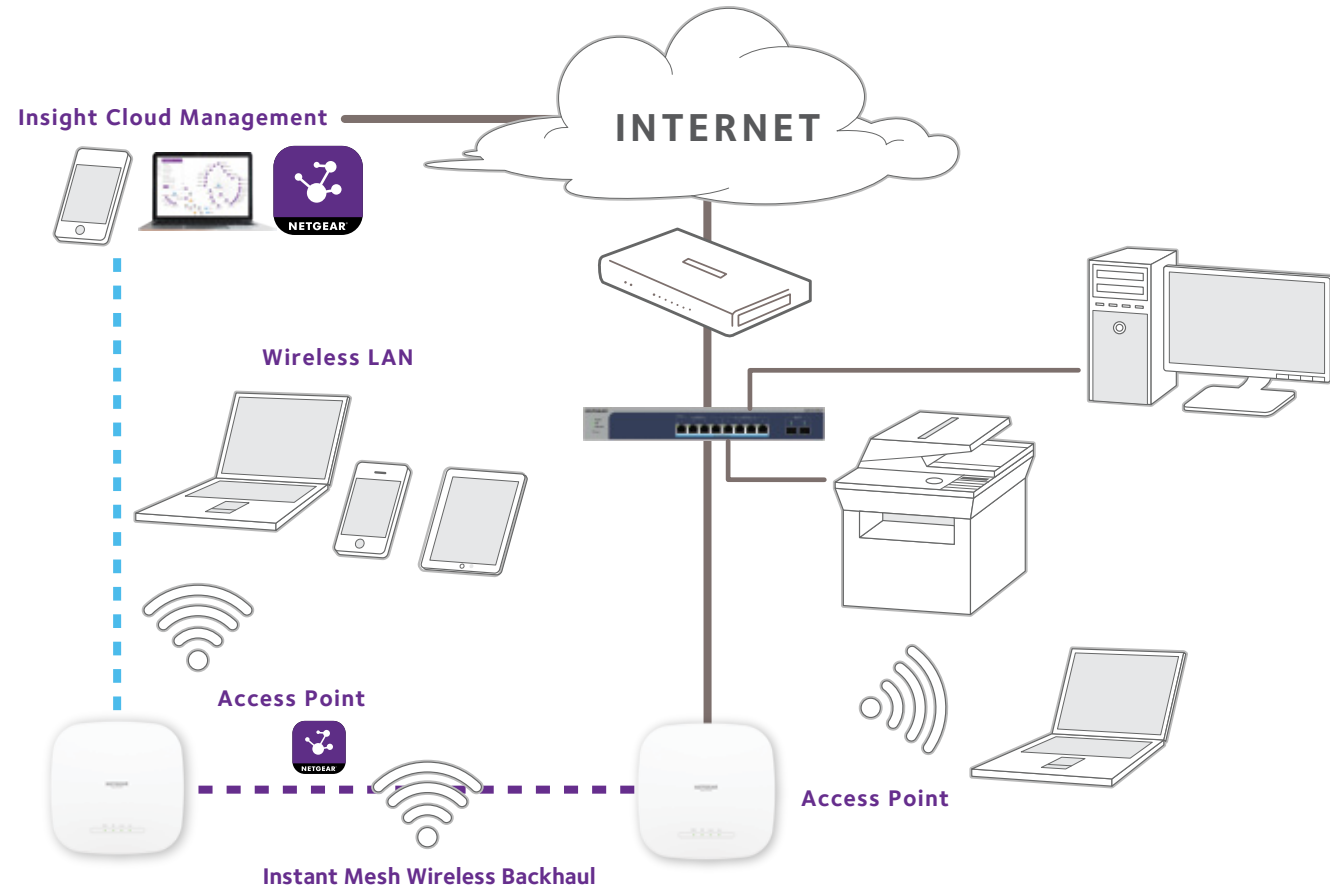
See your network in a whole new way.

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

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

Connection Setup

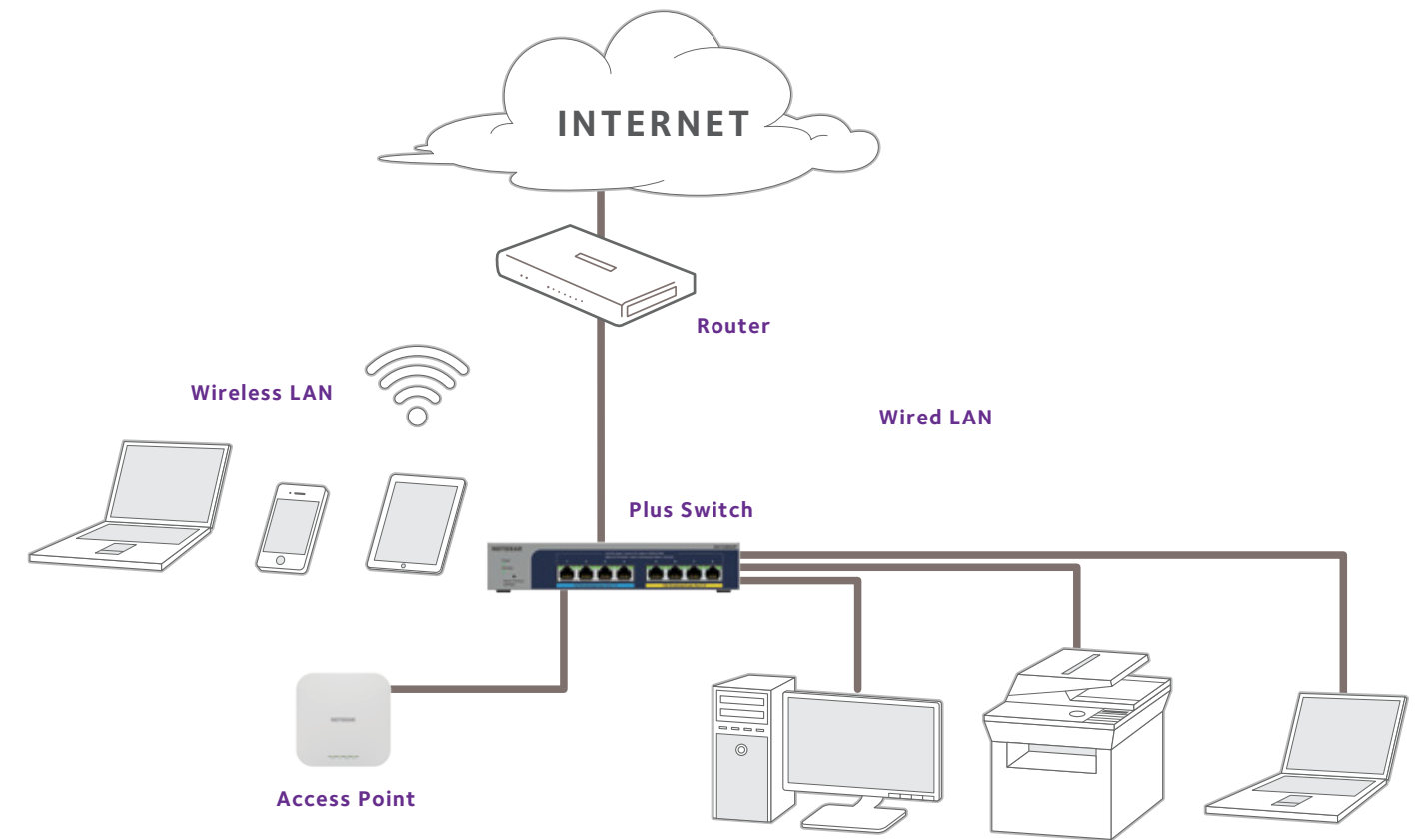
- Physical Connection
- - - Management Connection



NETWORK SOLUTION FOR WORKING FROM HOME AND SMALL OFFICE 1-5 USERS

Connection Setup

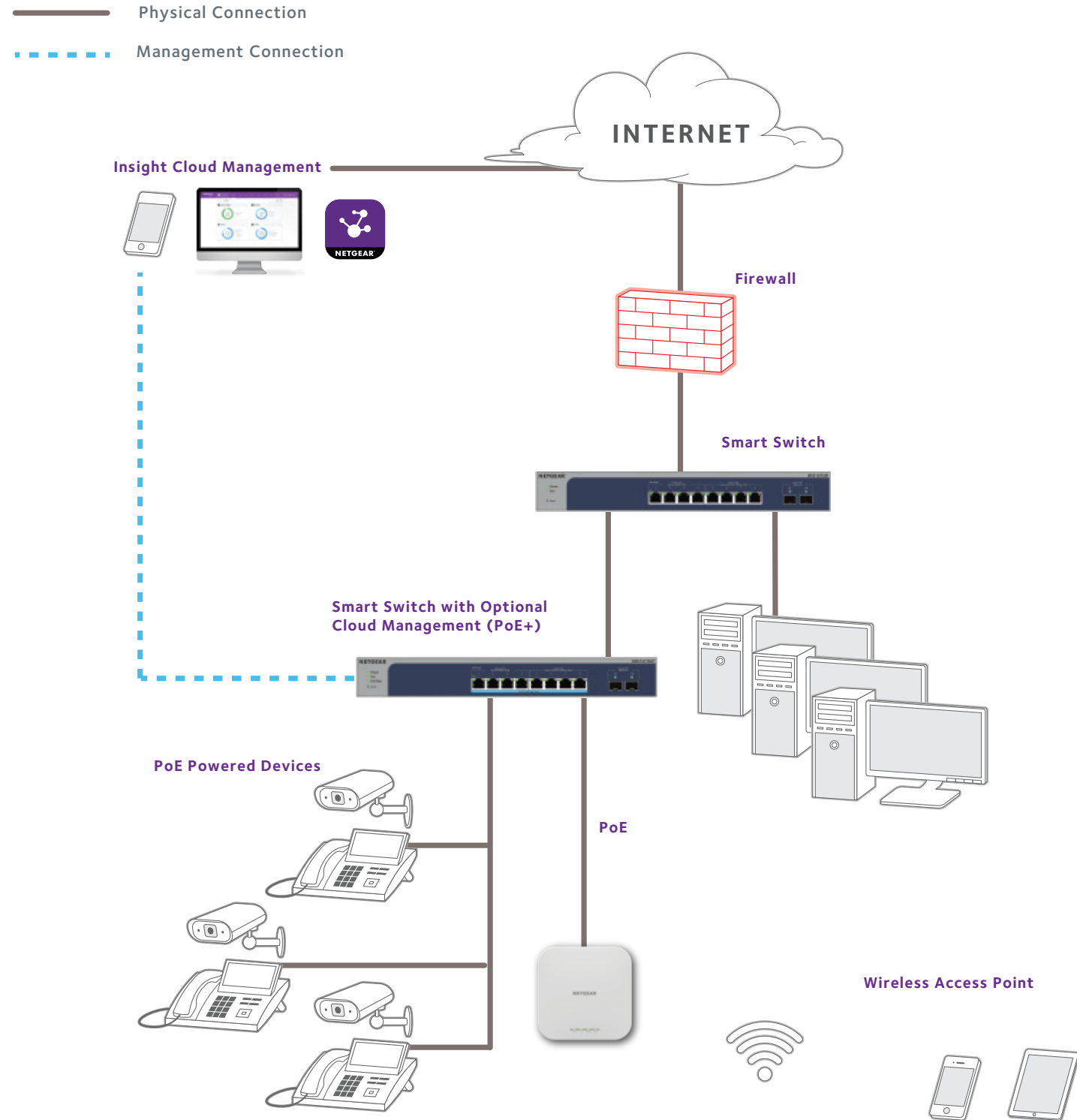
- Physical Connection





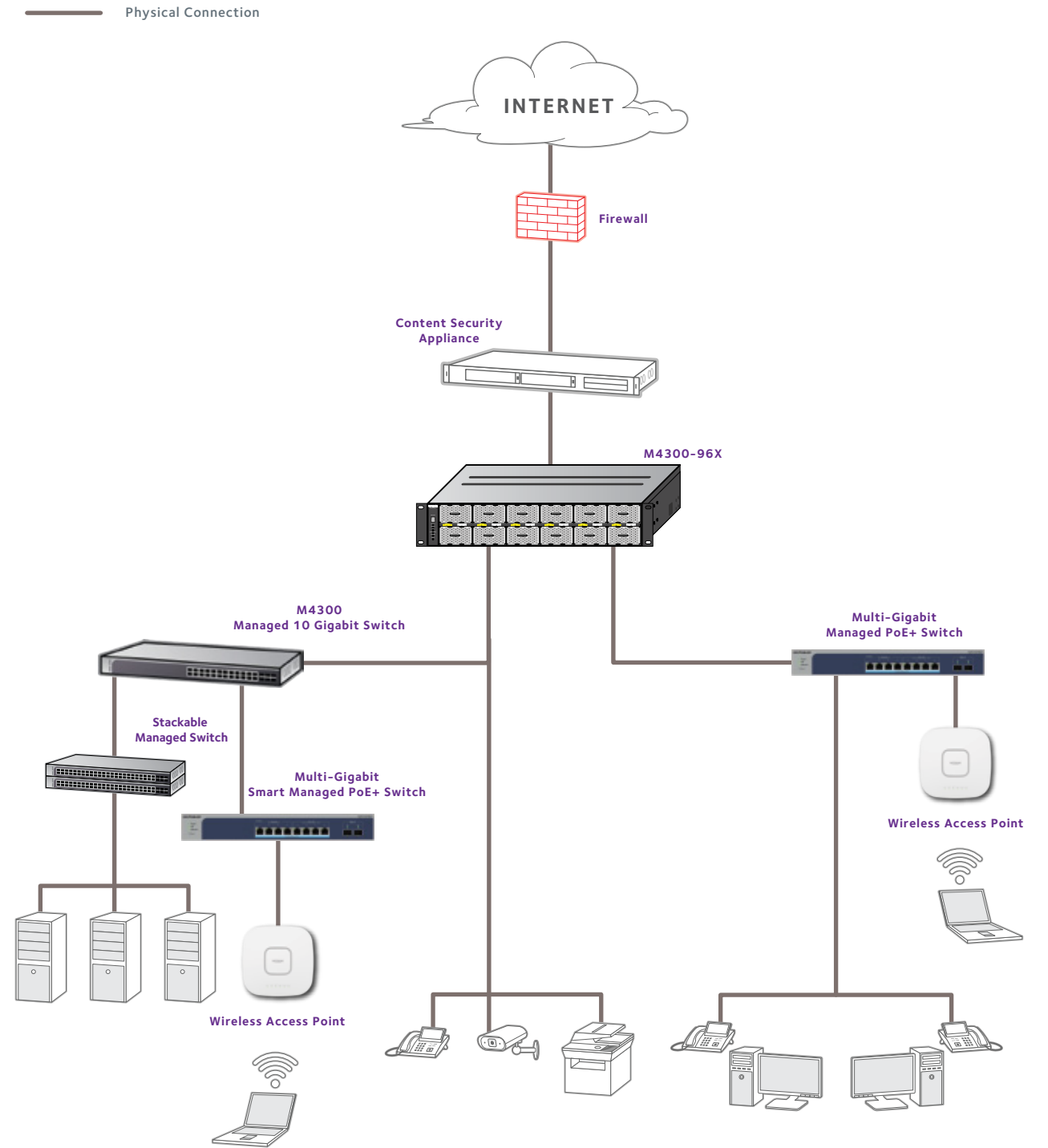
WIRED SOLUTION INSIGHT, 5-150 USERS

Connection Setup

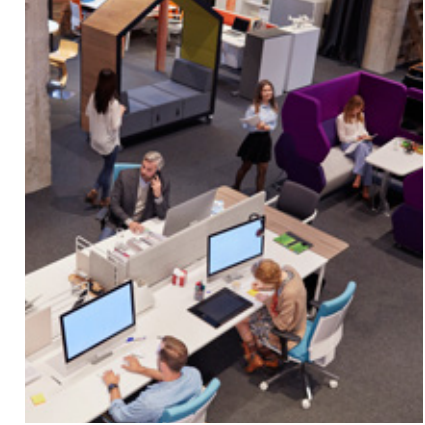


NETWORK SOLUTION FOR A GROWING MID-SIZE BUSINESS, 75-250 + USERS

Connection Setup



WIRELESS PRODUCT CATEGORIES



Business Essentials

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

Pro WiFi Access Points

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



WIRELESS





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

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

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

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

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

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

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

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

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

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

Use cases

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

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

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

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

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

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

NETGEAR BUSINESS ESSENTIALS ACCESS POINTS PORTFOLIO

	WAX214	WAX220
Typical Deployment	Micro businesses, health clinics, small hotels	Small businesses, health clinics, work shops
Wireless Standard	802.11b/g/n/ac/ax	802.11b/g/n/ac/ax
Dual Band	Concurrent	Concurrent
Max # of Concurrent Clients (standalone)	128	256
# of Ethernet Ports	1	1
PoE	✓	✓
Mounting Options	Ceiling/ Wall mount	Ceiling/ Wall mount
# of SSIDs	4	4

Business Essentials



WAX214

The NETGEAR WiFi 6 AX1800 PoE Wireless Access Point (AP) delivers 802.11ax high performance wireless connectivity for Small Office and Home Office (SOHO) deployments and supports dual band concurrent WiFi 6 operations at 2.4GHz and 5GHz with a combined throughput of 1.8 Gbps (600Mbps at 2.4GHz and 1200Mbps at 5GHz).



WAX220

The WAX220 is a high-performance WiFi 6 access point, ideal for homeowners or small businesses who want an easy to setup, blazing fast access point on a budget. This dual-band access point delivers up to 4.2Gbps total WiFi throughput and is supported by a fast 2.5Gbps Power-over-Ethernet (PoE) port providing both data and power. Part of the NETGEAR Business Essentials line of standalone access points, the WAX220 includes simplified setup with configuration in as little as 10 minutes.

NETGEAR
BUSINESSTOTAL NETWORK
SOLUTION

END-TO-END EXCELLENCE

Complete your networking ecosystem with the NETGEAR Total Network Solution. Combine the excellence and ingenuity of NETGEAR networking hardware with the power and ease of use of Insight Remote Cloud Management platform to build your complete solution.



NEW

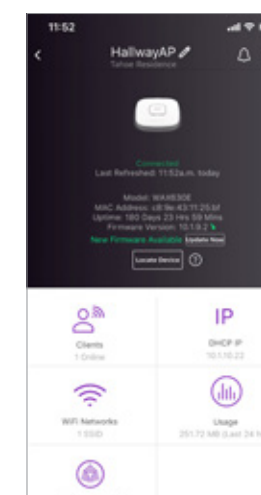
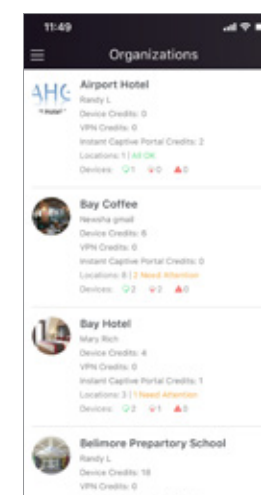
NETGEAR PR60X Pro Router

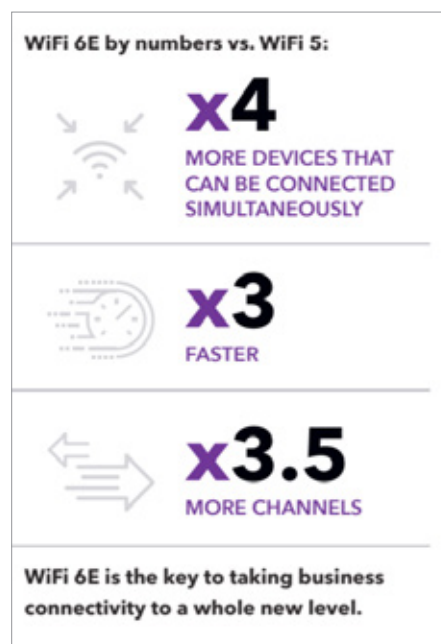
The latest addition to our Total Network Solution. With Multi-Gig capabilities, a flexible SFP+ port and Dual-WAN failover protection, the PR60X provides affordable, uninterrupted connectivity 24/7.

INTRODUCING ONE-TOUCH WIRELESS VISIBILITY & MANAGEMENT

NETGEAR introduces the new IT revolution for small businesses with "One-touch connectivity" through our Insight Remote Management application. Experience easy set-up, remote management and full control of your wireless network. With over 25 years of experience in small & medium business networking, NETGEAR is now delivering wireless connectivity that "just works" at your fingertips.

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

NETGEAR
INSIGHT



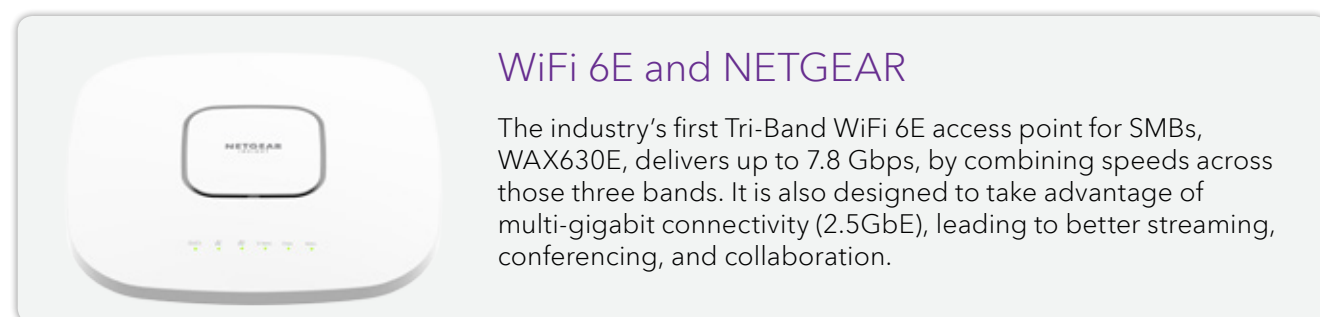
WiFi 6E

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

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

WiFi 6E Applications

- High density, high volume - lots of users and connected devices nearby needing WiFi
- WiFi 6E Devices - Samsung Galaxy S21 Ultra, Google Pixel 6 and Pixel 6 Pro, Intel Xeon, Windows 11, Galaxy Z Fold 3 5G
- Collaboration and video conferencing - consistent access is essential to the user experience



WiFi 6E and NETGEAR

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

The WiFi 6 difference

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



Speed

Up to 70% faster speeds on both bands

Coverage

Up to 50% more coverage, with no dead zones

Device Capacity

More simultaneous users, with high WiFi quality for everyone



WAX610

Perfect for high density client environments such as schools, hotels, restaurants and conference centers with speeds up to 1.8 Gbps. It provides enterprise grade WiFi network security combined with Insight management that allows it to immediately integrate with your current NETGEAR Insight managed switches.



WAX610Y

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



WAX615

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



WAX620

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



WAX625

The WAX625 is a high-performance WiFi 6 Release 2 access point, ideal for small and mid-size businesses. The dual-band access point delivers up to 5.4Gbps total WiFi throughput and is supported by a 2.5Gbps Power-over-Ethernet port and a Gigabit Ethernet port. The WAX625 is ideal for businesses and managed service providers who look for scalability and performance in WiFi deployment.



WAX630

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



WAX630E

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



WiFi 6 for business and home office

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

WiFi 6 overcomes these challenges

- Coverage and range, especially through walls in blind spots
- Need for faster and easier set up
- Network and per device speed, especially with more devices
- Demand for security and access control
- Need for smooth configuration and firmware updates

WiFi 6 for business

Why are businesses adopting WiFi 6?

- Best WiFi Speed - 70% more throughput than WiFi 5
- Connect More Devices - optimized speed even in high density areas
- Improved Coverage
- Future-Proofing
- Compatibility
- Battery Efficiency
- Seamless Roaming
- Faster Backbone with 2.5G - Multi-gig networking and connectivity
- High Density IoT
- Safer Networks



Remote WiFi 6 management

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

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

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

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



Use cases

Who is upgrading to WiFi 6?



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



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



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



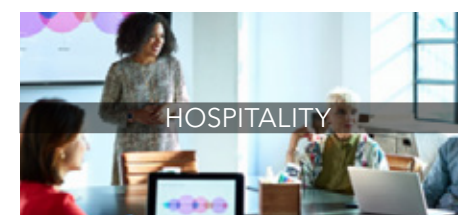
As medicine moves toward more innovative technologies for imaging, record storage, and telehealth, it requires more bandwidth. Upgrading to WiFi 6 helps ease high demand and provide efficiency.



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



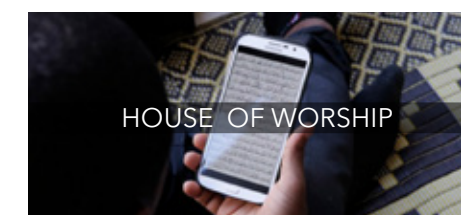
Finance companies need high bandwidth and zero-delay streaming to meet the needs of daily stock market traders and demanding finance apps. WiFi 6 can keep up with these demand.



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



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



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



Pro WiFi Design Services

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



SITE SURVEY

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



PRODUCT SELECTION

Get the right access points you need for your installation.



TROUBLESHOOTING

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



TRAINING AND SUPPORT

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

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

Wireless Access Points

Business Essentials



MODEL	WAX214	WAX220
Product Description	WiFi 6 AX1800 PoE Access Point	WiFi 6 AX4200 PoE Access Point
Typical Deployment	Micro businesses, health clinics, small hotels	Small businesses, health clinics, small hotels
WIRELESS		
Standard	802.11b/g/n/ac/ax	802.11b/g/n/ac/ax
Dual Band	Concurrent	Concurrent
2.4 GHz	✓	✓
5 GHz	✓	✓
TX by Rv	2 x 2	
Throughput per Radio	600Mbps @ 2.4GHz 1200Mbps @ 5GHz	1200Mbps @ 2.4GHz 2400Mbps @ 5GHz
Max # of Concurrent Clients (standalone)		
Max # of Clients	128	256
HARDWARE		
# of Ethernet Ports	1	1
Speed of Ethernet Ports	1 Gbps	2.5 Gbps
PoE	✓	✓
Antenna Type	Internal	Internal
Antenna Gain	3dBi (2.4GHz) 3dBi (5GHz)	5dBi (2.4GHz) 5dBi (5GHz)
Physical Size	6.33 x 6.33 x 1.31 in 160.9 x 160.9 x 33.28 mm	7.71 x 7.71 x 1.74 in 196 x 196 x 44.4 mm
Form Factor	Ceiling/wall-mount	Ceiling/wall-mount
Enclosure Material		
Ceiling/Wall Mounting		
Power Consumptions (W) Max		
MANAGEMENT		
Deployment Options	Local admin	Local admin
FEATURES		
# of SSIDs	4	4
WEP	✓	✓
WPA-PSK/TKIP	✓	✓
WPA2-PSK/AES	✓	✓
WPA3-Personal[SAE]	✓	✓
WIDS/WIPS	✓	✓
Wireless Distribution Systems		
Point-to-Point/Multi-Point		
Simultaneous Bridge/Client Association		
VLANs	✓	✓
MAC ACL	✓	✓
802.11e/WMM	✓	✓
Bandsteering	✓	✓
ORDERING		
Warranty	3 years	3 years
Product Ordering SKU	WAX214-100NAS WAX214PA-100NAS WAX214-100EUS	WAX220-100NAS WAX220PA-100NAS WAX220-100EUS
ProSupport Maintenance PKGS		
OnCall 24x7 1-year	PMB0512	PMB0311
OnCall 24x7 3-year	PMB0532	PMB0331
OnCall 24x7 5-year	PMB0552	PMB0351

Wireless Access Points

Insight Managed Access Points



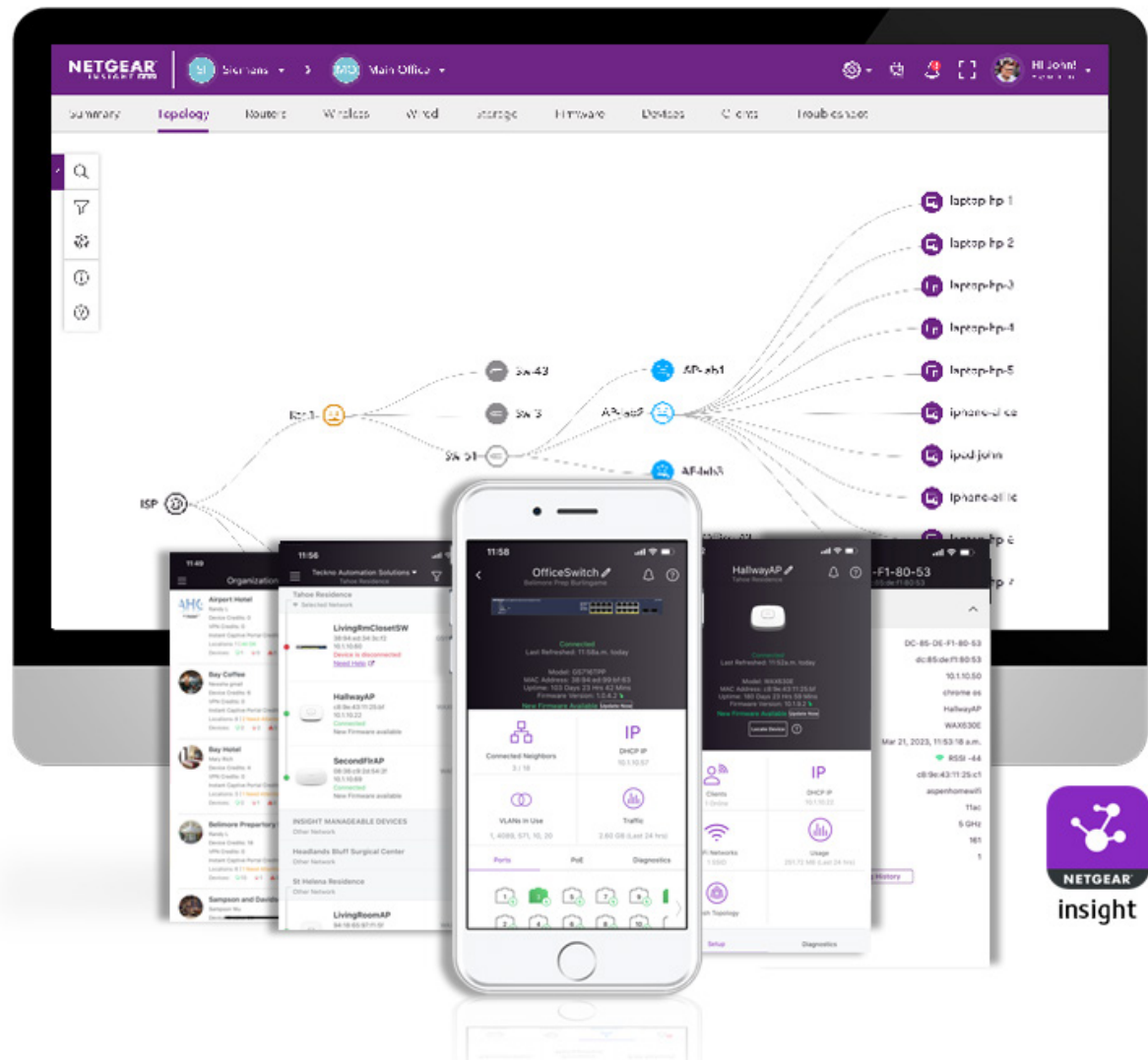
MODEL	WAX610	WAX610Y	WAX615
Product Description	Insight Managed WiFi 6 AX1800 Dual Band AP	Insight Managed WiFi 6 AX1800 Dual Band Outdoor PoE AP	Insight Managed WiFi 6 AX3000 Dual Band AP
Typical Deployment	Small to Mid-size customers for ease of deployment	Outdoor deployment for schools, hotels, Small and medium enterprise	Small to Mid-size customers for ease of deployment
WIRELESS			
Standard	802.11 a/g/n/ac/ax	802.11 a/g/n/ac/ax	802.11 a/g/n/ac/ax
Single Band			
Dual Band	✓	✓	✓
Tri-Band			
2.4 GHz	✓	✓	✓
5 GHz	✓	✓	✓
6 GHz			
TX by Rv	2 x 2	2 x 2	2 x 2
Throughput per Radio	600/1200 Mbps	600/1200 Mbps	600/2400 Mbps
Max # of Concurrent Clients (standalone)	30	30	60
Max # of Concurrent Clients (managed)	250	250	256
HARDWARE			
# of Ethernet Ports	1	1	1
Speed of Ethernet Ports	100/1000/2500 Mbps	100/1000/2500 Mbps	100/1000/2500Mbps
PoE	✓	✓	✓
Antenna Type	Internal	Internal	Internal
Antenna Gain	Internal 3.8/4.5dBi (2.4GHz/5GHz)	Internal 3.8/4.5dBi (2.4GHz/5GHz)	Internal 2.9/2.8dBi (2.4GHz/5GHz)
Additional External Antenna Connectors	No	No	No
Plenum		IP55	
Physical Size	160.9 x 160.9 x 33.25 mm	181 x 305 x 34 mm	241.5 x 241.5 x 40.2mm
Enclosure Material	Plastic Front/Metal Back	Plastic	Plastic Front/Metal Back
Kensington Lock			
Ceiling/Wall Mounting	Wall, Ceiling	Wall, ceiling, and pole mounting	Wall, Ceiling
Power Consumptions (W) Max	15.3W	16.1W	21.2W
MANAGEMENT			
Deployment Options	Standalone/Insight	Standalone/Insight	Standalone/Insight
FEATURES			
# of SSIDs	8	8	8
WEP			
WPA-PSK/TKIP	✓	✓	✓
WPA2-PSK/AES	✓	✓	✓
WPA3-Personal[SAE]	✓	✓	✓
802.1X	✓	✓	✓
Rogue AP Detection	No	No	No
WIDS/WIPS	No	No	No
Wireless Distribution Systems (WDS)	✓	✓	✓
Repeater	✓	✓	✓
Point-to-Point/Multi-Point	✓	✓	✓
Simultaneous Bridge /Client Association	✓	✓	✓
Captive Portal	Yes	Yes	Yes
VLANs	✓	✓	✓
MAC ACL	✓	✓	✓
802.11e/WMM	✓	✓	✓
Rate Limiting	✓	✓	✓
Bandwidth Management	✓	✓	✓
Beamforming	✓	✓	✓
IPv6	✓	✓	✓
Bandsteering	✓	✓	✓
ORDERING			
Warranty	5 years	5 years	5 years
Product Ordering SKU	WAX610-100NAS WAX610-100EUS WAX610PA-100NAS (power adapter included)	WAX610Y-100NAS WAX610Y-100EUS	WAX615-100NAS WAX615-100EUS WAX615PA-100NAS
ProSupport Maintenance PKGS OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year	PMB0311-10000S PMB0331-10000S PMB0351-10000S	PMB0311-10000S PMB0331-10000S PMB0351-10000S	

Wireless Access Points

Insight Managed Access Points



MODEL	WAX620	WAX625	WAX630	WAX630E
Product Description	Insight Managed WiFi 6 AX3600 Dual-Band AP	Insight Managed WiFi 6 AX5400 Dual-Band Multi-Gig PoE Wireless Access Point	Insight Managed WiFi 6 AX6000 Tri-Band AP	Insight Managed WiFi 6E AX7800 Tri-Band AP
Typical Deployment	Small to Mid-size customers for ease of deployment	Small to Mid-size customers for ease of deployment	Small to Mid-size customers for ease of deployment	Small to Mid-size customers for ease of deployment
WIRELESS				
Standard	802.11a/g/n/ac/ax	5.0GHz: 802.11a/n/ac/ax 2.4GHz: 802.11b/g/n/ax	802.11a/g/n/ac/ax	802.11a/g/n/ac/ax
Single Band				
Dual Band	✓	✓	✓	
Tri-Band				✓
2.4 GHz	✓	✓	✓	✓
5 GHz	✓	✓	✓	✓
6 GHz				✓
TX by Rv	4 x 4	2 x 4	4 x 4	2 x 4 x 2e
Throughput per Radio	1200/2400 Mbps	600/4800 Mbps	1200/2400/2400 Mbps	600/4800/2400 Mbps
Max # of Concurrent Clients (standalone)	75	75	100	100
Max # of Concurrent Clients (managed)	250	250	250	456
HARDWARE				
# of Ethernet Ports	1	2	2	2
Speed of Ethernet Ports	100/1000/2500Mbps	100/1000/2500Mbps and 100/1000Mbps (2 ports)	100/1000/2500Mbps and 100/1000Mbps (2 ports)	100/1000/2500Mbps and 100/1000Mbps (2 ports)
PoE	✓	✓	✓	✓
Antenna Type	Internal	Internal	Internal	Internal
Antenna Gain	3.1/4.3dBi (2.4GHz/5GHz)	2.4/2.9 dBi (2.4GHz/5GHz)	Internal 2.86/4.41/4.98 dBi (2.4GHz/5GHz L/5GHz H)	Internal 4.4/6.3/3.1dBi (2.4GHz/5GHz/6GHz)
Additional External Antenna Connectors	No	No	No	No
Plenum				
Physical Size	205.7 x 205.7 x 34.3 mm	241.5 x 241.5 x 40.2 mm	266.61 x 268.29 x 55.5 mm	266.6 x 268.3 x 55.5 mm
Enclosure Material	Plastic Front/Metal Back	Plastic Front/Metal Back	Plastic Front/Metal Back	Plastic Front/Metal Back
Kensington Lock				
Ceiling/Wall Mounting	Wall, Ceiling	Wall, Ceiling	Wall, Ceiling	Wall, Ceiling
Power Consumptions (W) Max	25.5W	21.2W	30.1W	27.64W
MANAGEMENT				
Deployment Options	Standalone/Insight	Standalone/Insight	Standalone/Insight	Standalone/Insight
FEATURES				
# of SSIDs	8	8	8	8
WEP				
WPA-PSK/TKIP	✓	✓	✓	✓
WPA2-PSK/AES	✓	✓	✓	✓
WPA3-Personal[SAE]	✓	✓	✓	✓
802.1X	✓	✓	✓	✓
Rogue AP Detection	No	No	No	No
WIDS/WIPS	No	✓	No	No
Wireless Distribution Systems (WDS)	✓	✓	✓	✓
Repeater	✓	✓	✓	✓
Point-to-Point/Multi-Point	✓	✓	✓	✓
Simultaneous Bridge /Client Association	✓	✓	✓	✓
Captive Portal	✓	✓	✓	✓
VLANs	✓	✓	✓	✓
MAC ACL	✓	✓	✓	✓
802.11e/WMM	✓	✓	✓	✓
Rate Limiting	✓	✓	✓	✓
Bandwidth Management	✓	✓	✓	✓
Beamforming	✓	✓	✓	✓
IPv6	✓	✓	✓	✓
Bandsteering	✓	✓	✓	✓
ORDERING				
Warranty	5 years	5 years	5 years	5 years
Product Ordering SKU	WAX620-100NAS WAX620-100EUS WAX620PA-100EUS	WAX625-100APS WAX625-100CNS WAX625-100NAS WAX625-100EUS WAX625PA-100NAS	WAX630-100NAS WAX630-100EUS WAX630PA-100NAS	WAX630E-100NAS WAX630E-100EUS WAX630EP-100NAS
ProSupport Maintenance PKGS OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year	PMB0311-10000S PMB0331-10000S PMB0351-10000S	PMB0311-10000S PMB0331-10000S PMB0351-10000S	PMB0312-10000S PMB0332-10000S PMB0352-10000S	PMB0312-10000S PMB0332-10000S PMB0352-10000S



NETGEAR Insight Management Solution

INSIGHT PRO FOR OUR PARTNERS

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



EASE OF USE, RICH FEATURES AND SECURITY



Multi-tenancy & Multi-location

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



WiFi roaming & capabilities

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



Automated deployment & updates

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



Easy configuration & management

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



Remote provisioning

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

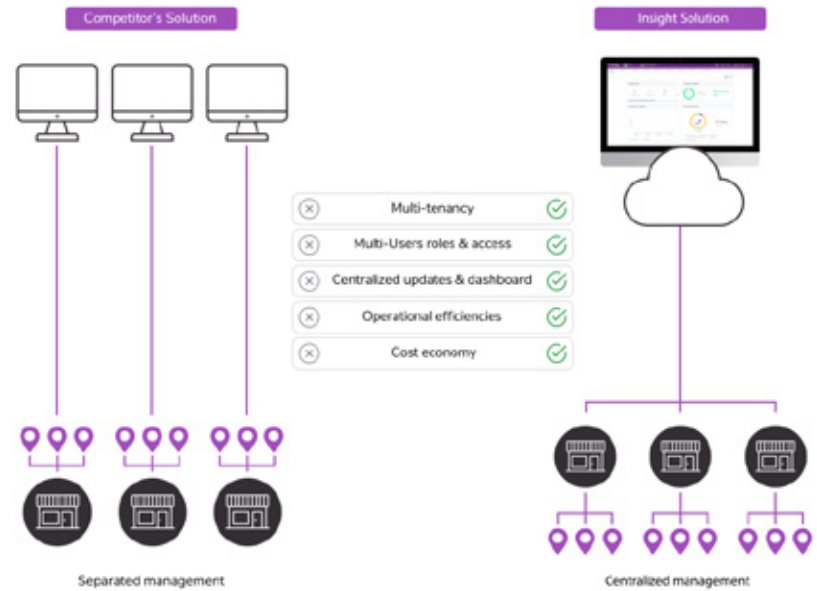


Advanced security

- Two-factor authentication
- Cloud security

UNIQUE EFFICIENT MULTI-TENANT MODEL

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

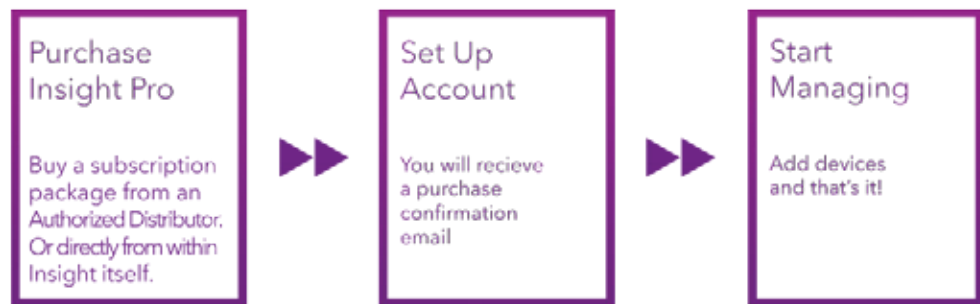


MOVE TO A PROFITABLE RECURRING REVENUE MODEL

Leverage technology to set up 24x7 customer network monitoring & make up for lost hardware margins with increased service revenue

- Move to recurring revenue model to raise profitability
- Leverage cloud technology to reduce investment
- Automate & replicate low value, mundane tasks to increase efficiency and scale your business
- Get full visibility and proactively react on your customer networks to improve customer satisfaction and customer retention

HOW IT WORKS FOR VARS AND MSPS



INSIGHT PRO FOR MOBILE HOTSPOTS

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

INCREASED NEED FOR CONNECTIVITY



Work from Home

Remote Job Sites

On-the-go

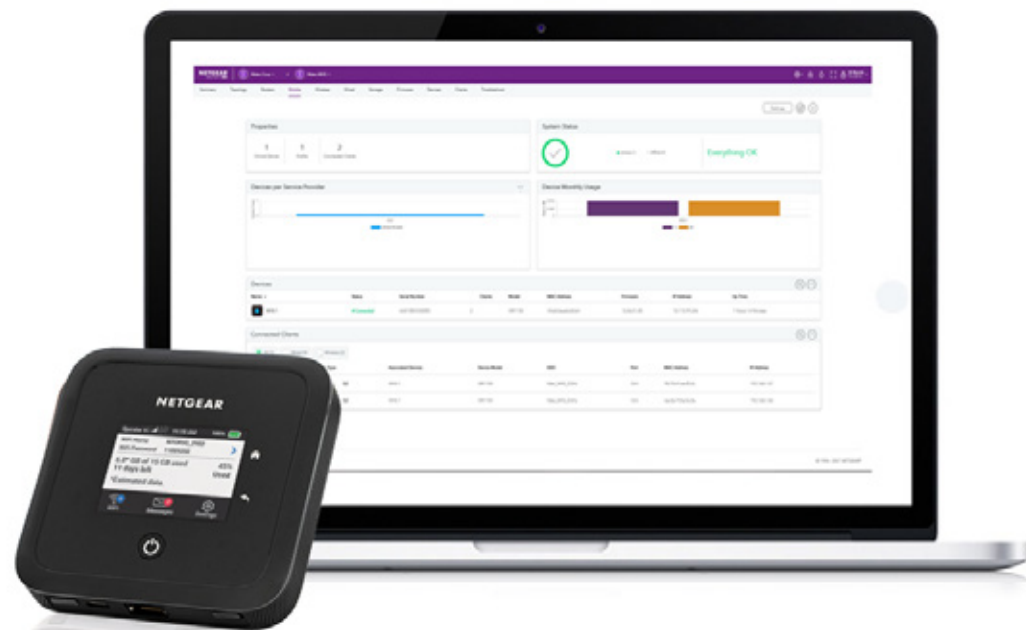
Remote Areas

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



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

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



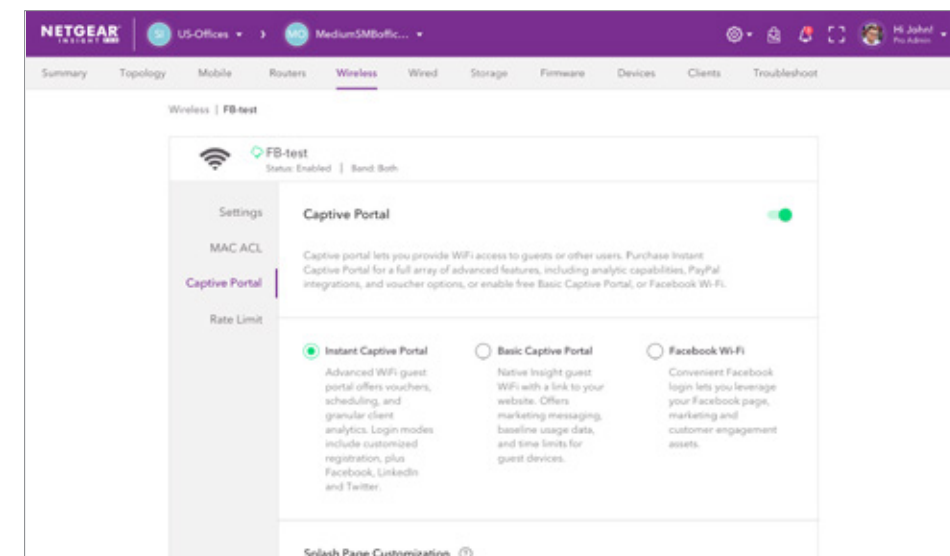
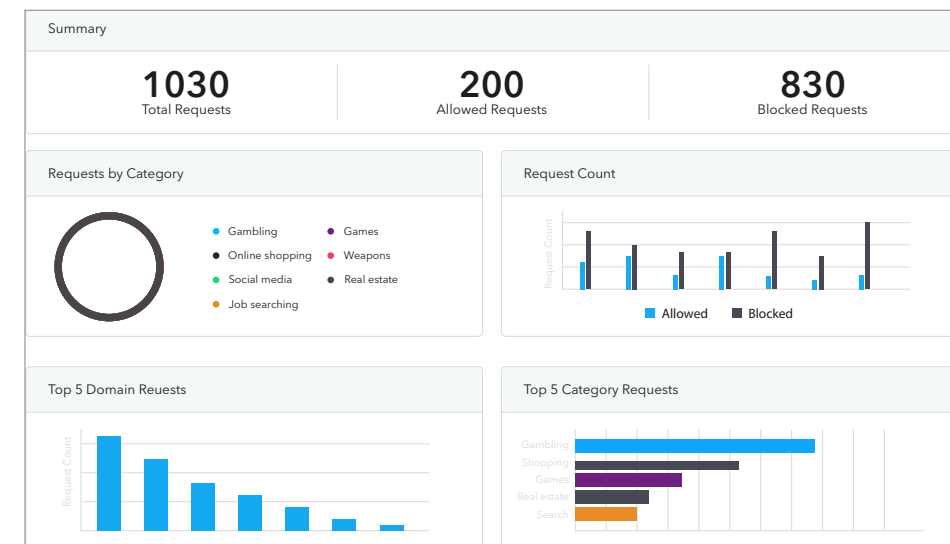
NETGEAR INSIGHT SERVICES

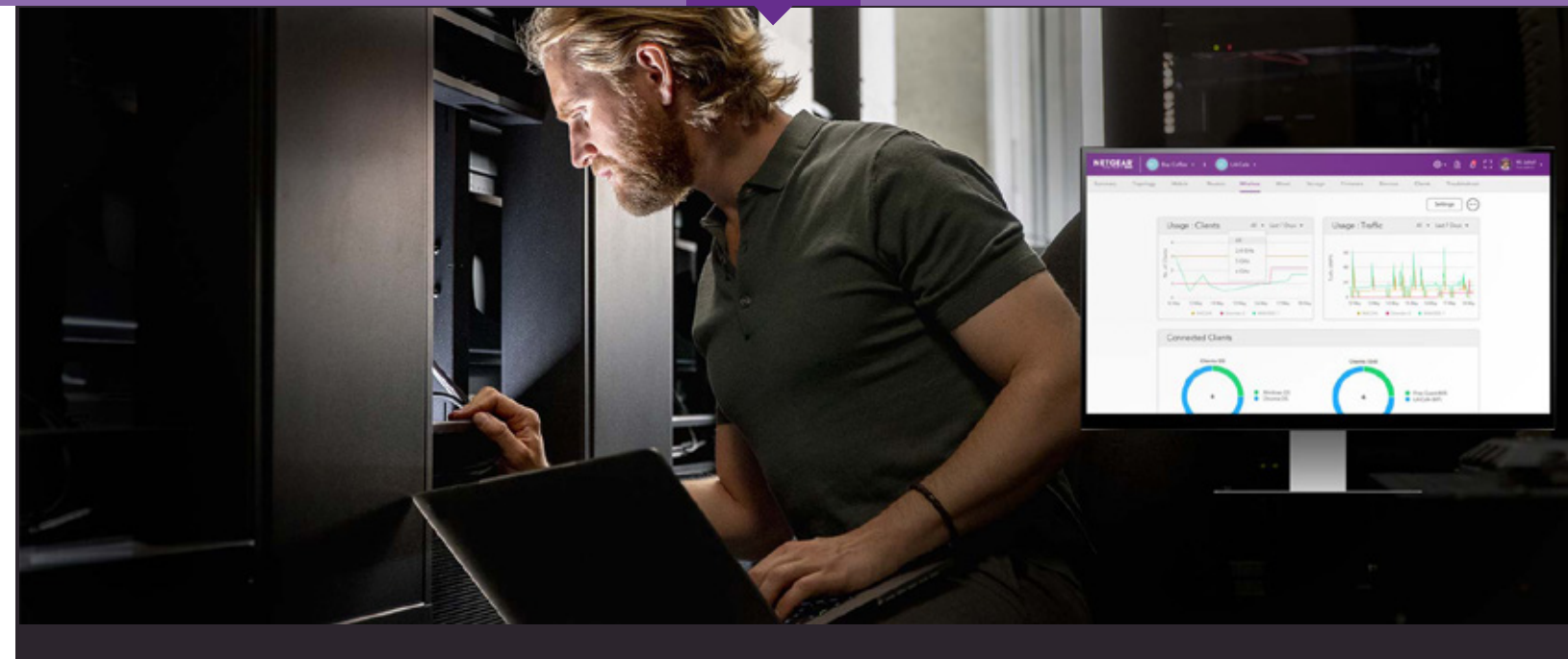
Further enhance your network management with NETGEAR Insight advanced services covering guest Wi-Fi, and security. Get the most of your network in the simplest and fastest way with NETGEAR Insight add-on services.

NETGEAR INSTANT CAPTIVE PORTAL

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

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





END-TO-END EXCELLENCE

Complete your networking ecosystem with the NETGEAR Total Network Solution. Combine the excellence and ingenuity of NETGEAR networking hardware with the power and ease of use of Insight Remote Cloud Management platform to build your complete solution.

NETGEAR PR60X Pro Router: 10G/Multi-Gigabit Dual-WAN Pro Router with Insight Cloud Management

The latest addition to our Total Network Solution. With Multi-Gig capabilities, a flexible SFP+ port and Dual-WAN failover protection, the PR60X provides affordable, uninterrupted connectivity 24/7.



- 10G/Multi-Gigabit and 2.5G Dual-WAN ports with failover
- High performance hardware with one 10G/Multi-Gigabit Ethernet port, four 2.5G Ethernet ports and one 10G SFP+ port for long-distance backhaul or connection to ISP fiber modem
- Seamless integration with NETGEAR Pro WiFi Access Points and select Smart switches through NETGEAR Insight Cloud Management
- Control, manage and monitor through NETGEAR Insight
- Rack-mountable for placement in industry-standard enclosures
- Firewall protection
- IPSec configuration to create secure site-to-site VPN connections
- 3-year hardware warranty, 3-year next business day replacement, 90-day phone/chat support

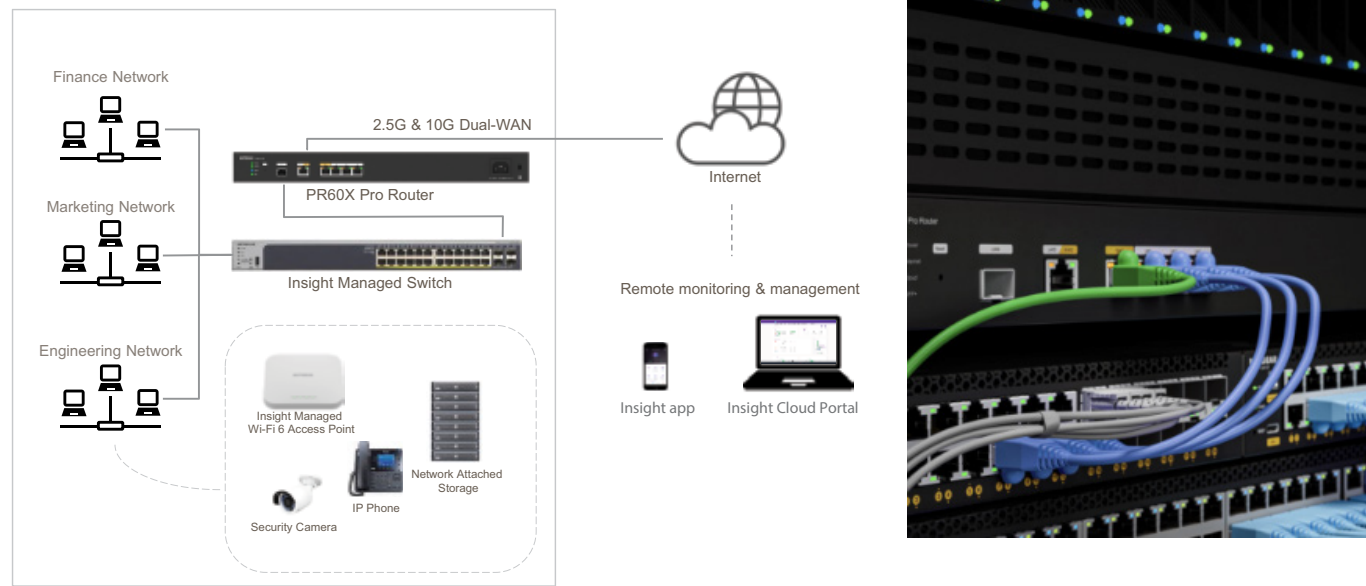
ROUTER

NETGEAR
BUSINESS



**TOTAL NETWORK
SOLUTION**

Small Office - IT Business PR60X



NETGEAR PR60X

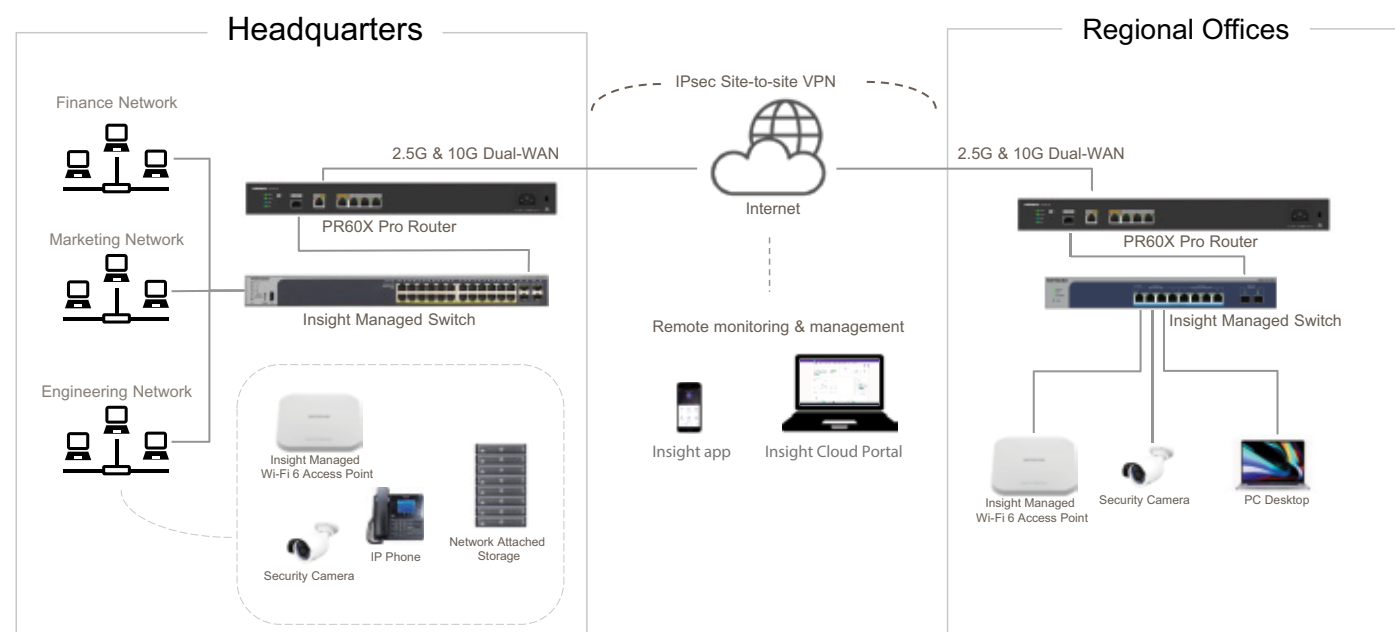
Features/Benefits:

- ✔ **High performance hardware:** 10G/Multi-Gigabit throughput and 1x2.5G WAN, 1x10G/Multi-Gigabit WAN/LAN configurable port, 3x2.5G LAN and 1x10G SFP+ LAN.
- ✔ **WAN-to-LAN Throughput:** Dual-WAN ports for failover accommodating two internet connections to maintain a reliable link. The first connection functions as the primary and the other as a backup.
- ✔ **Primary and secondary internet connections:** Dual-WAN ports for failover accommodating two internet connections to maintain a reliable link. The first connection functions as the primary and the other as a backup.
- ✔ **Leverage up to 8 VLAN:** Separate the network into smaller groups for more secure and efficient use of network resources.
- ✔ **Supports up to 8 DHCP servers:** Allows for automatic assignment of IP addresses, simplifying network administration.
- ✔ **Firewall protection against malicious incoming traffic:** Prevents unauthorized access to the network and monitors the communications between the network and the outside world.
- ✔ **NETGEAR Insight Remote/Cloud Management:** Instant discovery, configuration, and management of your network and Pro Router. Free 1-year subscription included.
- ✔ **Versatile rackmount design :** Reverse mounting rack ears included for front-facing or rear-facing ports as desired for a clean or traditional look.
- ✔ **IPSec Site-to-Site VPN:** Provides up to 30 VPN tunnels for businesses to connect remote workers, branch offices, and partners to the main corporate network.

NETGEAR PR60X Pro Router Technical Specifications

Connectivity	
Gigabit Ports WAN/LAN	1 x 10G/Multi-Gigabit Copper (Configurable LAN/WAN) 1 x 2.5G/1G RJ-45 (WAN) 3 x 2.5G/1G RJ-45 (LAN) 1 x 10G/1G SFP+ (LAN)
DMZ Interfaces (Configurable)	Yes
Performance	
LAN-to-WAN Throughput	For 2.5G WAN port, LAN-to-WAN throughput is 2.4Gbps For 10G WAN port, LAN-to-WAN throughput is 9.4Gbps
Maximum Number of VLANs	8
Security	
Firewall Functions	Firewall Traffic Rules/Scheduling, Port Forwarding, Port Triggering, Stateful Packet Inspection (SPI), Port/Service Blocking, Denial-of-service (DoS) Prevention, Stealth Mode, Block TCP Flood, Block UDP Flood, Respond To Ping on Internet Port
VoIP SIP ALG	Yes
Networking	
ISP Address Assignment	DHCP, Static IP Assignment, PPPoE
NAT Modes	NAT
Routing	Static, Dynamic, RIPv1, RIPv2
DHCP Server	8
VLANs (Up to 8)	802.1Q
Essential Networking Features	MAC Address Cloning/spoofing, NTP Support, UPnP, Auto Uplink on Switch Ports

Headquarters - Regional Offices - IT Business PR60X



VPN	
IPsec Encryption/Authentication	3DES, AES (128, 192, 256 bit)/SHA-1, SHA-2 (256 bit), MD5
Key Exchange	IKEv1, IKEv2, Pre-shared Key
Access Modes	Remote access via Insight Remote Cloud Management
Management	
Management Options	Insight Remote Cloud Management
Logging	Accepted Packets, Dropped Packets Statistics, System, Source MAC filter, Session Limit, Bandwidth Limit, IPsec VPN
Log Delivery	Insight logging
Troubleshoot	Diagnostics Ping, DNS Lookup, Trace Route, Speed test
Maintenance	Save/Restore Configuration, Restore to Factory Defaults, Firmware Upgrades, Display and Monitor Statistics
Hardware	
Processor	Quad Core ARM A73 @ 2.2 GHz Packet Process Engine (PPE) processors
Flash Memory/RAM	2GB DDR4/4GB eMMC
Major Regulatory Compliance	Environment: RoHS Safety: CE/LVD, CSA EMI: FCC Part 15 Class B, CE mark
Temperatures	Operating Temperature: 0° - 40°C (32°-104° F) Storage Temperature: -20° - 70° C (-4° - 158° F)
Humidity	Operating humidity 90% maximum relative humidity, non-condensing Storage humidity 95% maximum relative humidity, non-condensing
Electrical Specifications	AC Input: 100-240V, 50/60Hz, 1.3A
Dimensions (W x D x H)	17.3 x 3.9 x 1.7in (440 x 100 x 43.2mm)
Weight	3.34lb (1.513kg)
System Requirements	Cable or DSL Broadband Modem, Internet Service, Windows Client Device, Internet Explorer/Firefox/Chrome/Safari Web Browser
Warranty and Support	
Hardware Warranty*	3-year
Next Business Day Replacement	3-year
Free Technical Support*	90 Days
ProSUPPORT OnCall** 24x7 Service Packs	Category 2 PMB0312-10000S PMB0332-10000S PMB0352-10000S
Insight Remote Cloud Management	1-year Insight subscription included



SWITCHING

NETGEAR FEATURES THE MOST COMPREHENSIVE, SCALABLE AND AFFORDABLE SWITCHING PORTFOLIO

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

UNMANAGED

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

PLUS

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

SMART

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

SMART W/OPTIONAL REMOTE/CLOUD MANAGEMENT

All of the capabilities of our Smart switches with additional option to remotely manage/monitor using Insight Cloud management.

FULLY MANAGED

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

Just pick the switch that's best for you!

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

*Insight cloud management available on select Smart models

Switch Naming Convention - How to read the product code

Unmanaged and Plus

Example

Speed	Series	Ports	Management	Uplinks	Power
GS	1	10	E		MX

Speed	Series (See below for legend)	Ports	Power
GS/JGS Gigabit Ethernet	1 Series	05 Number of Ports	LP Low power PoE or PoE+
MS Multi-gigabit Ethernet (1G/2.5G/5G, or 5-speed up to 10G)	2	08	P PoE or PoE+
XS 10-Gigabit Ethernet	3	10	PP High power PoE or PoE+
	5	12	UP Ultra PoE++
	7		
Management Type	Uplink Type		
E Plus	X 10-Gigabit Uplinks		
Unmanaged	M Multi-gigabit Ethernet (5-speed, up to 10G) Uplinks (GS-Series) or all ports (XS-Series)		
	7		

Smart and Smart w/Optional Remote/Cloud Switches*

Example

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

Speed	Series (See below for legend)	Ports	Power	Stacking
GS Gigabit Ethernet	1 Series	05 Number of Ports	LP Low power PoE	S Hardware Stacking
MS Multi-gigabit Ethernet (1G/2.5G/5G, or 5-speed up to 10G)	2	08	P PoE or PoE+	Note: GS728TX/XP & GS752TX/XP are also stackable, but do not have "S" in product code.
XS 10-Gigabit Ethernet	3	10	PP High power PoE or PoE+	
	5	12	UP Ultra PoE++	
	7			
Management Type	Uplink Type	Power		
T Smart	X 10-Gigabit uplinks	LP Low power PoE		
	M Multi-gigabit Ethernet (5-speed, up to 10G) uplinks (GS-Series/MS-Series) or all ports (XS-Series)	P PoE or PoE+		
		PP High power PoE or PoE+		
		UP Ultra PoE++		

*Note: Optional Remote/Cloud management available on select Smart switches (*T*).

Fully Managed Switches

Example

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

Speed	Management	Family	Ports	Power	Media	Stacking
GS Gigabit Ethernet	M Fully Managed	42 M4200, M4250	10 Number of Ports			
MS Multi-Gigabit Ethernet (1G/2.5G/5G, or 5 speed up to 10G)		43 M4300	12			
XS 10-Gigabit Ethernet		45 M4500	14			
CS 100-Gigabit Ethernet			16			
Power	Media					
P PoE+	C Copper					
U Ultra PoE++	F Fiber					
UP Ultra PoE++	X 10G Uplinks					
		S Hardware Stacking				

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

- 1 = Desktop (Metal)
- 2 = Desktop Essentials (Plastic)
- 3 = Desktop or Rack-mount (depending on port count) SOHO (Metal)
- 5 = Desktop/Rack-mount (13" - 15") (Metal)
- 6 = Desktop Home/Retail (Plastic)
- 7 = Rack-mount (17") (Metal)

A SHORT GUIDE TO NETGEAR SWITCHES MANAGEMENT

Just pick the type of management that is right for you

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

*Select Smart models

POWER-OVER-ETHERNET WITH NETGEAR®

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

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

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

PoE: Delivers 15.4W per port to power simple IP phones, IP cameras and wireless access points.

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

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

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

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

PD CHART		
PD Product	Product Description	Power Consumption
GS108Tv3	Gigabit Smart Switch	5.5W
M4100-D12G (GSM5212)	12 x GbE + 4 Combo SFP Managed Switch	25W
WAX214	Business Essentials WiFi 6 AX1800 Dual-Band Access Point	15.3W
WAX218	Business Essentials WiFi 6 AX3600 Dual-Band Access Point	30W
WAX610	WiFi 6 AX1800 Dual-Band Multi-Gig Access Point	15.3W
WAX610Y	WiFi 6 AX1800 Dual-Band Multi-Gig Outdoor Access Point	16.1W
WAX620	WiFi 6 AX3600 Wireless Access Point	25.5W
WAX625	WiFi 6 AX5400 Wireless Access Point	21.2W
WAX630	WiFi 6 AX6000 Wireless Access Point	30.1W
WAX630E	WiFi 6 AXE7800 Wireless Access Point	27.64W

www.netgear.com/poe

¹ Default if not specified by device

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

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

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

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

Model	Ports	PoE Ports & Type	PoE Budget	PoE Auto-Balance	NETGEAR FlexPoE**
UNMANAGED SWITCHES					
GS305Pv2	5 x GbE	4	63W	Yes	
GS305Pv3	5 x GbE	4	63W	Yes	
GS305PP	5 x GbE	4 PoE+	83W	Yes	
GS108LP	8 x GbE	8 (PoE+)	60W** (up to 123W with EPS130W)	Yes	Yes
GS108PP	8 x GbE	8 PoE+	123W**	Yes	Yes
GS308PP	8 x GbE	8 (PoE+)	83W** (up to 123W with EPS130W)	Yes	Yes
MS108UP	8x1G/2.5G	4 PoE+, 4 Ultra60 PoE++	230W	Yes	
GS116LP	16 x GbE	16 PoE+	76W** (up to 183W with EPS200W)	Yes	Yes
GS116PP	16 x GbE	16 PoE+	183W	Yes	Yes
GS316P	16 x GbE	16 (PoE+)	115W** (up to 183W with EPS200W)	Yes	Yes
GS316PP	16 x GbE	16 (PoE+)	183W**	Yes	Yes
GS324P	24 x GbE	16 PoE+	190W	Yes	
GS324PP	24 x GbE	24 PoE+	380W	Yes	
GS348PP	48 x GbE	24 (PoE+)	380W	Yes	
GS516PP	16 x GE	16 PoE+	260W	Yes	
GS516UP	16 x GE	16 PoE+, 8 Ultra60 PoE++	380W	Yes	
GS524PP	24 x GE	24 PoE+	300W	Yes	
GS524UP	24 x GE	24 PoE+, 16 Ultra60 PoE++	480W	Yes	
PLUS SWITCHES					
GS108PE	8 x GbE	4	53W		
GS305EP	5xGbE	4 (PoE+)	63W	Yes	
GS305EPP	5xGbE	4 (PoE+)	120W	Yes	
GS308EP	8 x GbE	8 (PoE+)	62W	Yes	
GS308EPP	8 x GbE	8 (PoE+)	123W	Yes	
MS108EUP	8x1G/2.5G	8 PoE+, 4 Ultra60 PoE++	230W	Yes	
GS316EP	15 x GbE + 1G Dedicated SFP	15 (PoE+)	180W	Yes	
GS316EPP	15 x GbE + 1G Dedicated SFP	15 (PoE+)	231W	Yes	
SMART / SMART CLOUD SWITCHES					
GS110TPv3	8 x GbE + 2 x 1G Dedicated SFP	8 PoE+	55W		
GS310TP	8 x GbE + 2 x 1G Dedicated SFP	8 PoE+	55W		
GS510TLP	8 x GbE + 2 x 1G Dedicated SFP	8 PoE+	75W		
GS510TTP	8 x GbE + 2 x 1G Dedicated SFP	8 PoE+	190W		
MS108TUP	8 x 1G/2.5G	4 PoE+, 4 Ultra60 PoE++	230W	Yes	
MS324TXUP	24x1G/2.5G	24 Ultra60 PoE++	720W	Yes	
MS510TXPP	4 x GbE + 2 x 2.5GbE + 2 x 5GbE + 1 x 10GbE + 1 x 10G Dedicated SFP+	8 PoE+	180W		
MS510TXUP	4 x 2.5G + 4 x 10G + 2 x 10G Dedicated SFP+	8 Ultra60PoE++	295W	Yes	
GS324TP	24 x GbE + 2 x 1G Dedicated SFP	24 PoE+	190W		
GS724TPv2	24 x GbE + 2 x 1G Dedicated SFP	24 PoE+	190W		
GS724TPv3	24 x GbE + 2 x 1G Dedicated SFP	24 PoE+	190W		
GS724TTP	24 x GbE + 2 x 1G Dedicated SFP	24 PoE+	380W		
GS724TTPv3	24 x GbE + 2 x 1G Dedicated SFP	24 PoE+	380W		
GS728TPv2	24 x GbE + 4 x 1G Dedicated SFP	24 PoE+	190W		
GS728TPv3	24 x GbE + 4 x 1G Dedicated SFP	24 PoE+	190W		
GS728TTPv2	24 x GbE + 4 x 1G Dedicated SFP	24 PoE+	380W		
GS728TTPv3	24 x GbE + 4 x 1G Dedicated SFP	24 PoE+	380W		
GS752TPv2	48 x GbE + 4 x 1G Dedicated SFP	48 PoE+	380W		
GS752TPv3	48 x GbE + 4 x 1G Dedicated SFP	48 PoE+	380W		
GS752TTP	48 x GbE + 4 x 1G Dedicated SFP	48 PoE+	760W		
GS752TTPv3	48 x GbE + 4 x 1G Dedicated SFP	48 PoE+	760W		
M4200 SERIES INTELLIGENT EDGE MANAGED SWITCHES (L2+ L3 MULTI-GIGABIT)					
M4200-10MG-POE+ (GSM4210P)	8 x 2.5G + 2 x 10GBASE-T	8 (PoE+)	240W		
M4250 AV LINE MANAGED SWITCHES (L2+ L3 REVERSIBLE)					
M4250-9G1F-PoE+ (GSM4210PD)	8 x 1G + 1 x 1G Dedicated SFP		110W		
M4250-8G2XF-PoE+ (GSM4210PX)	8 x 1G + 2 x 10G Dedicated SFP+		220W		
M4250-10G2F-PoE+ (GSM4212P)	10 x GbE + 2 x 1G Dedicated SFP	8 PoE+	125W		
M4250-10G2F-PoE+ (GSM4212P)	10 x GbE + 2 x 1G Dedicated SFP	8 PoE+	125W		
M4250-10G2XF-PoE++ (GSM4212UX)	10 x GbE + 2 x 10G Dedicated SFP+	8 Ultra90 PoE++	720W		
M4250-26G4F-PoE+ (GSM4230P)	26 x GbE + 4 x 1G dedicated SFP	24 PoE+	300W		
M4250-26G4F-PoE++ (GSM4230UP)	26 x GbE + 4 x 1G dedicated SFP	24 Ultra90 PoE++	1,440W		
M4250-26G4XF-PoE+ (GSM4230PX)	26 x GbE + 4 x 10G dedicated SFP+	24 PoE+	480W		
M4250-40G8F-PoE+ (GSM4248P)	40 x GbE + 8 x 1G dedicated SFP	40 PoE+	480W		
M4250-40G8XF-PoE+ (GSM4248PX)	40 x GbE + 8 x 10G dedicated SFP+	40 PoE+	960W		
M4250-40G8XF-PoE++ (GSM4248UX)	40 x GbE + 8 x 10G dedicated SFP+	40 Ultra90 PoE++	2,880W		
M4300 SERIES INTELLIGENT EDGE MANAGED SWITCHES (L2+ L3 STACKABLE)					
M4300-28G-POE+ (GSM4328PA)	24 x GbE + 2 x 10GBASE-T + 2 x 10GBASE-X SFP+	24 (PoE+)	480W 1 PSU (APS550W) 720W 2 PSUs		
M4300-28G-POE+ (GSM4328PB)	24 x GbE + 2 x 10GBASE-T + 2 x 10GBASE-X SFP+	24 (PoE+)	630W (110V) 720W (220V) 1 PSU (APS1000W) 720W 2 PSUs		
M4300-52G-POE+ (GSM4352PA)	48 x GbE + 2 x 10GBASE-T + 2 x 10GBASE-X SFP+	48 (PoE+)	480W 1 PSU (APS550W) 720W 2 PSUs		
M4300-52G-POE+ (GSM4352PB)	48 x GbE + 2 x 10GBASE-T + 2 x 10GBASE-X SFP+	48 (PoE+)	591W (110V) 860W (220V) 1 PSU (APS1000W) 1010W (110V) 1440W (220V) 2 PSUs		
M4300-16X (XSM4316PA)	16 x 100M/1G/2.5G/5G/10GBASE-T	16(PoE+)	199W 1 PSU (APS299W)		
M4300-16X (XSM4316PB)	16 x 100M/1G/2.5G/5G/10GBASE-T	16(PoE+)	500W 1 PSU (APS600W)		
M4300-96X (XSM4396K0)	Up to 96 x 100M/1G/2.5G/5G/10GBASE-T or SFP+; up to 24 x QSFP+	48 (PoE+)	484W (110V) 634W (220V) 1 PSU (APS1200W) 1440W (2 PSU) (APS1200W)		

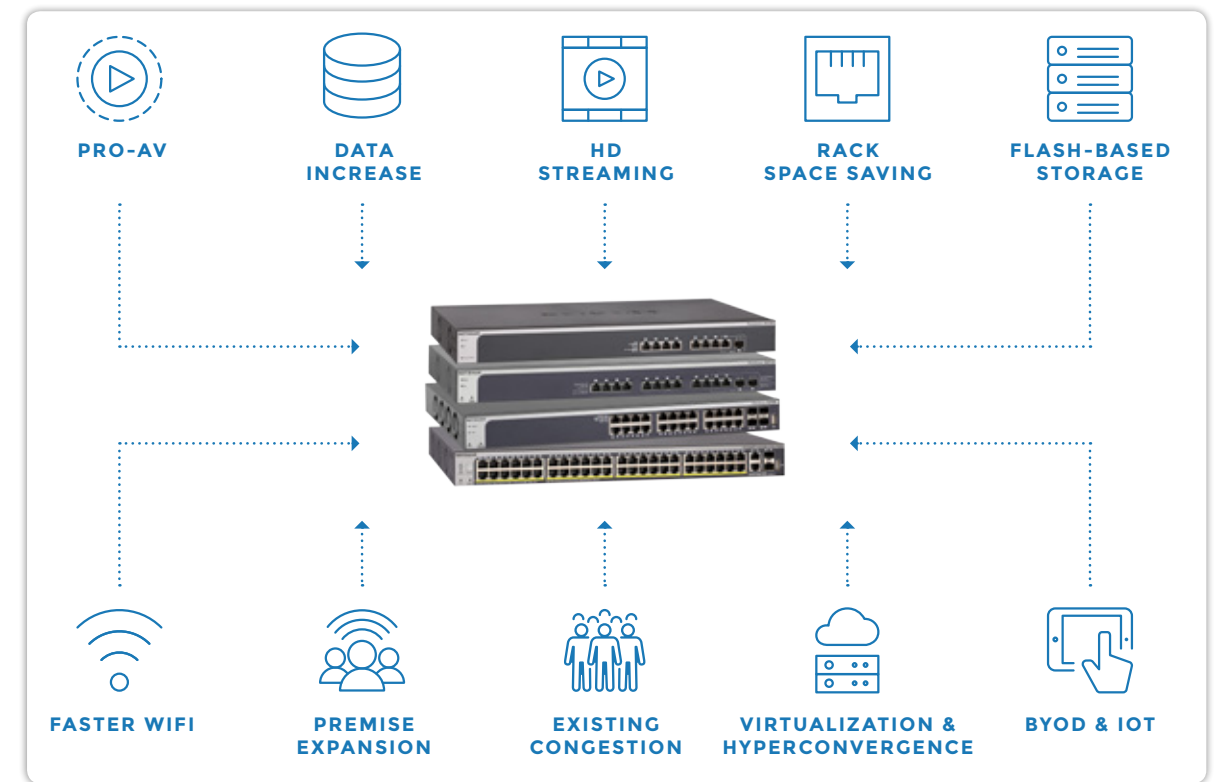
EXPERIENCE THE MOST COMPREHENSIVE AND AFFORDABLE FULL 10-GIGABIT BUSINESS SWITCH PORTFOLIO

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!

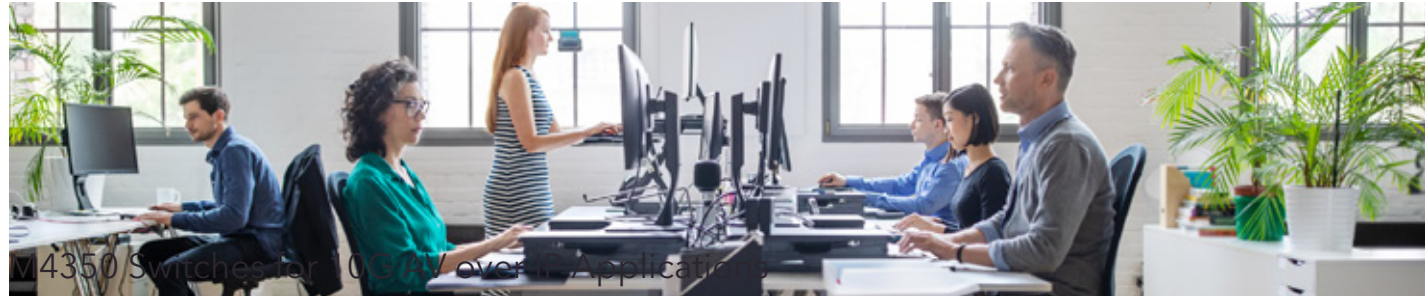


NETGEAR 10-Gigabit Portfolio





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 28 to 48 ports, featuring both copper and fiber options, 1U full width and 1U half-width (for more efficient use of rack space), NETGEAR is unrivaled in the choice it offers business customers looking for 10-Gigabit switching. The future of networking is now!




Follow the X!

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












10-Gigabit fully managed switches for IT applications

MODEL NAME	 M4350-8X8F	 M4350-12X12F	 M4350-24X4V	 M4350-24F4V
Model Number	XSM4316	XSM4324	XSM4328CV	XSM4328FV
Primary Port Speed	10G	10G	10G	10G
1G Copper Ports				
2.5G Copper Ports				
10G/Multi-Gig Copper Ports	8	12	24	
SFP+/SFP28 Ports	8 (SFP+)	12 (SFP+)	4 (SFP28)	4 (SFP28)
PoE Type			PoE+	
PoE Ports			24	
PoE Budget			576W (base) up to 720W	
IGMP PLUS™ Support	Yes	Yes	Yes	Yes
AVB Support	Yes	Yes	Yes	Yes
Acoustic Noise**	Quiet mode (34.43dBA) or Cool mode (56.3dBA)	Quiet mode (34.34dBA) or Cool mode (64dBA)	Quiet mode (34.7dBA) or Cool mode (57.2dBA)	Quiet mode (34.2dBA) or Cool mode (61.8dBA)
Management	AV UI, IT GUI, CLI	AV UI, IT GUI, CLI	AV UI, IT GUI, CLI	AV UI, IT GUI, CLI
Warranty	Limited Lifetime	Limited Lifetime	Limited Lifetime	Limited Lifetime

MODEL NAME	 M4350-36X4V	 M4350-24X8F8V	 M4350-32F8V
Model Number	XSM4340CV	XSM4340V	XSM4340FV
Primary Port Speed	10G	10G	10G
1G Copper Ports			
2.5G Copper Ports			
10G/Multi-Gig Copper Ports	36	24	
SFP+/SFP28 Ports	4 (SFP28)	8 (SFP+) 8 (SFP28)	32 (SFP+) 8 (SFP28)
PoE Type	PoE++ 90W	PoE++ 90W	
PoE Ports	36	24	
PoE Budget	280W (base) up to 1,760W	290W (base) up to 1,770W	
IGMP PLUS™ Support	Yes	Yes	Yes
AVB Support	Yes	Yes	Yes
Acoustic Noise**	Quiet mode (32.1dBA) or Cool mode (54dBA)	Quiet mode (32.6dBA) or Cool mode (53.3dBA)	Quiet mode (32.7dBA) or Cool mode (63dBA)
Management	AV UI, IT GUI, CLI	AV UI, IT GUI, CLI	AV UI, IT GUI, CLI
Warranty	Limited Lifetime	Limited Lifetime	Limited Lifetime

10-Gigabit fully managed switches for IT applications

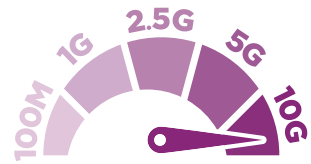
MODEL NAME	 M4300-8X8F	 M4300-16X	 M4300-12X12F	 M4300-24X
Model Number	XSM4316S	XSM4316PA	XSM4316PB	XSM4324S
Management	Full	Full		Full
Total 10G Ports	16	16	24	24
10G Copper Ports	8	16	12	24
10G SFP+ Ports	8		12	4 Combo
Fabric	320 Gbps	320 Gbps		480 Gbps
Half Width	•	•		•
Full Width				
PoE+			•	

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

10-Gigabit Smart switches for SMB and IT applications

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

UNLOCK YOUR NETWORK POTENTIAL WITH 5-SPEED NETWORKING!



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

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

Multi-Gigabit Ethernet switches solve all these issues, supporting any device attached to the switch, to work at the speed of the port to which it is connected (2.5 Gbps or 5 Gbps). The maximum speed over Cat5e cabling is 5Gb, and 10Gb for Cat6 or better, with backwards-compatibility with 100Mbps and 1Gb. So, a business can easily mix and match different speeds on the same network, to make the most of each connected device's capability and without sacrificing the performance of either.

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

Give the speed that your devices need



5 TIMES FASTER USING THE SAME CABLING

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

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

MULTI-GIG PORT: intelligent port that automatically adapts to the speed required and can provide 100M/1G and 2.5G and/or 5G connectivity (NBASE-T standard)

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

NETGEAR WIDE PORTFOLIO OF MULTI-GIG/10G (5-SPEED) SWITCHES

	MS305	MS105	XSS05M	XSS08M	GS110MX	GS110EMX	MS108EUP	XSS12EM	XS724EM	MS108TUP	MSS10TXM	MS510TXPP	MSS10TXUP	MS324TXUP	M4200-10MG-POE+	M4250-12M2XF	M4300-16X	M4300-96X
# of Ports	5	5	5	8	10	10	8	12	24	8	10	10	10	28	10	14	16	96
# of 1G Ports					8	8					4		4					
# of 1G/2.5G Multi-Gig Ports	5	5					8			8	4	2	4	24	8	12		
# of 1G/2.5G/5G Multi-Gig Ports												2						
# of 10G Fiber Ports			1	1				2	2		2	1	2	4	2	2		Up to 96
# of 5-Speed Ports (100M/1G/2.5G/5G/10G)			4	7	2	2		12	24		4	1	4				16	Up to 96
PoE+ Ports							4 PoE+ 4 Ultra60 PoE++			4 PoE+ 4 Ultra60 PoE++		8 PoE+	4 Ultra60 PoE++	24 Ultra60 PoE++	8 PoE+		16 PoE+	Up to 48 PoE+
Type of Management	Unmanaged	Unmanaged	Unmanaged	Unmanaged	Unmanaged	Plus	Plus	Plus	Plus	SmartCloud	Smart	SmartCloud	SmartCloud	SmartCloud	Fully Managed	Fully Managed	Fully Managed	Fully Managed
Web Interface for Configuration						Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
NETGEAR Insight Remote/Cloud Management										Yes	Yes		Yes	Yes				

10 REASONS WHY CUSTOMERS LOVE OUR PLUS SWITCHES

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

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

The NETGEAR Plus Gigabit series includes the following models: GS105E, GS105PE, GS108E, GS108PE, GS116E, GS305E, GS308E, JGS516PE, JGS524PE, GS750E, GS305EP, GS305EPP, GS308EP, GS308EPP, GS316EP, GS316EPP, and the latest model MS108EUP that launched in January 2022. Finally, if even more advanced performance is needed check out our high-speed 10 Gigabit Plus switches for more.

1. Easy Management

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

2. Best value for a managed switch

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

3. Ideal for home or office use

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

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

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

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

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

6. Advanced PoE features with uninterrupted PoE

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

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

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

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

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

9. Easy troubleshooting capabilities with port mirroring and cable testing

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

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

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



NETGEAR® AV

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

OVERVIEW

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

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

Certified Partners (partial list)

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





SUPPORT & DESIGN SERVICES

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

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



ProSupport for Business

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

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

Contact the Engineering Services team:
ProAVDesign@netgear.com

TECHNICAL TRAINING

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

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



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

Signup for training: www.netgear.academy



M4350 Switches for 10G AV over IP Applications



MODEL NAME	M4350-24G4XF	M4350-48G4XF	M4350-44M4X4V	M4350-8X8F	M4350-12X12F	M4350-24X4V
Model Number	GSM4328	GSM4352	MSM4352	XSM4316	XSM4324	XSM4328CV
Primary Port Speed	1G	1G	2.5G	10G	10G	10G
1G Copper Ports	24	48				
2.5G Copper Ports			44			
10G/Multi-Gig Copper Ports			4	8	12	24
SFP+/SFP28 Ports	4 (SFP+)	4 (SFP+)	4 (SFP28)	8 (SFP+)	12 (SFP+)	4 (SFP28)
PoE Type	PoE+	PoE+	PoE++ 90W			PoE+
PoE Ports	24	48	48			24
PoE Budget	648W (base) up to 720W	236W (base) up to 1,440W	194W (base) up to 3,314W			576W (base) up to 720W
IGMP PLUS™ Support	Yes	Yes	Yes	Yes	Yes	Yes
AVB Support	Yes	Yes	Yes	Yes	Yes	Yes
Acoustic Noise**	Quiet mode (33dBA) or Cool mode (52dBA)	Quiet mode (33dBA) or Cool mode (52dBA)	Quiet mode (34dBA) or Cool mode (52dBA)	Quiet mode (34.43dBA) or Cool mode (56.3dBA)	Quiet mode (34.34dBA) or Cool mode (64dBA)	Quiet mode (34.7dBA) or Cool mode (57.2dBA)
Management	AV UI, IT GUI, CLI	AV UI, IT GUI, CLI	AV UI, IT GUI, CLI	AV UI, IT GUI, CLI	AV UI, IT GUI, CLI	AV UI, IT GUI, CLI
Warranty	Limited Lifetime	Limited Lifetime	Limited Lifetime	Limited Lifetime	Limited Lifetime	Limited Lifetime



MODEL NAME	M4350-24F4V	M4350-36X4V	M4350-24X8F8V	M4350-32F8V	M4350-16V4C	M4350-40X4C
Model Number	XSM4328FV	XSM4340CV	XSM4340V	XSM4340FV	VSM4320C	XSM4344C
Primary Port Speed	10G	10G	10G	10G	25G	10G
1G Copper Ports						
2.5G Copper Ports						
10G/Multi-Gig Copper Ports		36	24			40
SFP+/SFP28 Ports	4 (SFP28)	4 (SFP28)	8 (SFP+) 8 (SFP28)	32 (SFP+) 8 (SFP28)	16 (SFP28) 4 (QSFP28)	4 (QSFP28)
PoE Type		PoE++ 90W	PoE++ 90W			PoE++ 90W
PoE Ports		36	24			40
PoE Budget		280W (base) up to 1,760W	290W (base) up to 1,770W			196W (base) up to 1,676W
IGMP PLUS™ Support	Yes	Yes	Yes	Yes	Yes	Yes
AVB Support	Yes	Yes	Yes	Yes	Yes	Yes
Acoustic Noise**	Quiet mode (34.2dBA) or Cool mode (61.8dBA)	Quiet mode (32.1dBA) or Cool mode (54dBA)	Quiet mode (32.6dBA) or Cool mode (53.3dBA)	Quiet mode (32.7dBA) or Cool mode (63dBA)	Quiet mode (36.4dBA) or Cool mode (55dBA)	Quiet mode (34.1dBA) or Cool mode (54.3dBA)
Management	AV UI, IT GUI, CLI	AV UI, IT GUI, CLI	AV UI, IT GUI, CLI	AV UI, IT GUI, CLI	AV UI, IT GUI, CLI	AV UI, IT GUI, CLI
Warranty	Limited Lifetime	Limited Lifetime	Limited Lifetime	Limited Lifetime	Limited Lifetime	Limited Lifetime



M4300 Switches for 10G AV over IP Applications



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



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

Find out more: www.netgear.com/proav



M4250 Switches for 1G AV over IP Applications



MODEL NAME	M4250-28G	M4250-52G	M4250-28G-POE+		M4250-52G-POE+	
Model Number	GSM4328S	GSM4352S	GSM4328PA	GSM4328PB	GSM4352PA	GSM4352PB
10/100/1000 RJ45	24 Ports	48 Ports	24 Ports PoE+		48 Ports PoE+	
10GBASE-T RJ45	2 Ports	2 Ports	2 Ports		2 Ports	
1G/10G SFP+	2 Ports	2 Ports	2 Ports		2 Ports	
Form Factor	Full Width					
Rack Mount	1-Unit in 1U					
Power Supply	Modular 2 Bays					
Included PSU	(1) APS150W		(1) APS550W	(1) APS1000W	(1) APS550W	(1) APS1000W
PoE+			•	•	•	•

M4250 Switches for 1G AV over IP Applications



MODEL NAME	M4250-9G1F-PoE+	M4250-8G2XF-PoE+	M4250-10G2F-PoE+	M4250-10G2XF-PoE+	M4250-10G2XF-PoE++
Model Number	GSM4210PD	GSM4210PX	GSM4212P	GSM4212PX	GSM4212UX
Primary Port Speed	1G	1G	1G	1G	1G
1G Copper Ports			10	10	10
2.5G Copper Ports					
SFP/SFP+ Ports	1 (SFP)	2 (SFP+)	2 (SFP)	2 (SFP+)	2 (SFP+)
PoE Type	PoE+	PoE+	PoE+	PoE+	Ultra90 PoE++
PoE Ports	8	8	8	8	8
PoE Budget	110W	220W	125W	240W	720W
IGMP Plus™ Support	•	•	•	•	•
AVB Support**	•	•	•	•	•
Acoustic Noise***	Fanless	Quiet mode (19.3dBA) or Cool mode (35.3dBA)	Fanless, Quiet mode (27.38dBA) or Cool mode (55dBA)	Fanless, Quiet mode (27.4dBA) or Cool mode (56dBA)	Fanless, Quiet mode (250w PoE, 34.57dBA) (380w PoE, 40dBA) (720w PoE, 47.19dBA) or Cool mode (57dBA)
Management	AV UI, IT GUI, CLI	AV UI, IT GUI, CLI	AV UI, IT GUI, CLI	AV UI, IT GUI, CLI	AV UI, IT GUI, CLI
Warranty	Limited Lifetime*	Limited Lifetime*	Limited Lifetime*	Limited Lifetime*	Limited Lifetime*

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

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

NETGEAR® AV



MODEL	M4250-12M2XF	M4250-16XF	M4250-26G4F-POE+	M4250-26G4XF-POE+
SKU	MSM4214X	XSM4216F	GSM4230P	GSM4230PX
Primary Port Speed	2.5G	10G	1G	1G
1G Copper Ports			26	26
2.5G Copper Ports	12			
SFP/SFP+ Ports	2 (SFP+)	16 (SFP+)	4 (SFP)	4 (SFP+)
PoE Type			PoE+	PoE+
PoE Ports			24	24
PoE Budgets			300W	480W
IGMP Plus™ Support	Yes	Yes	Yes	Yes
AVB Support**	Yes	Yes	Yes	Yes
Acoustic Noise***	Fanless, Quiet mode (28.5dBA) or Cool mode (55dBA)	Fanless, Quiet mode (27.44dBA) or Cool mode (57dBA)	Fanless, Quiet mode (200W PoE, 28dBA; 300W PoE, 34dBA) or Cool Mode (57dBA)	Fanless, Quiet mode (350W PoE, 25dBA; 480W PoE, 42dBA) or Cool Mode (67dBA)
Management	AV UI, IT GUI, CLI	AV UI, IT GUI, CLI	AV UI, IT GUI, CLI	AV UI, IT GUI, CLI
Warranty	Limited Lifetime*	Limited Lifetime*	Limited Lifetime*	Limited Lifetime*

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

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

NETGEAR® AV



MODEL	M4250-26G4F-POE++	M4250-40G8F-POE+	M4250-40G8XF-POE+	M4250-40G8XF-POE++
SKU	GSM4230UP	GSM4248P	GSM4248PX	GSM4248UX
Primary Port Speed	1G	1G	1G	1G
1G Copper Ports	26	40	40	40
2.5G Copper Ports				
SFP/SFP+ Ports	4 (SFP)	8 (SFP)	8 (SFP+)	8 (SFP+)
PoE Type	Ultra90 PoE++	PoE+	PoE+	Ultra90 PoE++
PoE Ports	24	40	40	40
PoE Budgets	1,440W	480W	960W	2,880W
IGMP Plus™ Support	Yes	Yes	Yes	Yes
AVB Support**	Yes	Yes	Yes	Yes
Acoustic Noise***	Quiet mode (280W PoE, 28dBA; 480W PoE, 47dBA; 1440W PoE, 60dBA) or Cool Mode (69dBA)	Fanless, Quiet mode (150W PoE, 30dBA; 340W PoE, 40dBA; 480W PoE, 47dBA) or Cool Mode (68dBA)	Quiet mode (400W PoE, 29dBA; 640W PoE, 48dBA; 960W PoE, 59dBA) or Cool Mode (69dBA)	Quiet mode (160W PoE, 30dBA; 480W PoE, 51dBA; 2880W PoE, 60dBA) or Cool Mode (71dBA)
Management	AV UI, IT GUI, CLI	AV UI, IT GUI, CLI	AV UI, IT GUI, CLI	AV UI, IT GUI, CLI
Warranty	Limited Lifetime*	Limited Lifetime*	Limited Lifetime*	Limited Lifetime*

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

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

Unmanaged Switches

Unmanaged, L2, Gigabit



MODEL	GS305	GS305Pv2	GS305Pv3	GS305PP	
Port Configuration	10M/100M RJ45 Copper Ports (Auto Uplink)				
	10M/100M/1G RJ45 Copper Ports (Auto Uplink)	5	5	5	
PoE (Power-over-Ethernet)	# of PoE Ports		4	4	
	PoE (15.4W) 802.3af Ports		4	4	
	PoE+ (30W) 802.3at Ports			4	
	Total PoE/PoE+ Budget		63W	63W	
Scalability	# MAC Addresses	2K	2K	2K	
	MAC Address Aging (sec)	300 sec	300 sec	300 sec	
Quality of Service	Number of Priority Queues				
	Traffic Prioritization	802.1p based QoS/CoS	802.1p based QoS/CoS	802.1p based QoS/CoS	
Performance	Bandwidth	10 Gbps	10 Gbps	10 Gbps	
	Buffer Memory	128 KB	128 KB	128 KB	
	Jumbo Frames	9,216 bytes	9,216 bytes	9,216 bytes	
Energy Efficiency	IEEE 802.3az	✓	✓	✓	
	Auto Port Power Down	✓	✓	✓	
	Max Power Consumption	2W	3.41W (no PoE) 67.5W (with PoE max)	1.02W (no PoE) 66.78W (with PoE max)	2.89W (no PoE) 88.89W (with PoE max)
Physical	Form-factor/Mounting (Desktop, Wall, Rack)	Desktop, Wall mount	Desktop, Wall mount	Desktop, Wall mount	
	Metal/Plastic Enclosure	Metal	Metal	Metal	
	MTBF @ 25°C	3,831,422 hrs (437 yrs)	4,105,494 hrs (468 yrs)	4,113,947 hrs (469 yrs)	6,710,127 hrs
	Fan(s)	None	None	None	None
	Width x Depth x Height	101 x 94 x 29 mm (4.0 x 3.7 x 1.1 in)	158 x 101 x 29 mm (6.2 x 4.0 x 1.1 in)	158 x 101 x 27 mm (6.2 x 4.0 x 1.1 in)	158 x 101 x 29 mm (6.2 x 4.0 x 1.1 in)
	Weight	0.25 kg (0.55 lb)	0.40kg (0.88 lb)	0.40kg (0.88 lb)	0.41 kg (0.9 lb)
Electromagnetic Compliance	Class (A or B)	B	A	A	
Warranty Hardware*		3 years	3 years	3 years	
Warranty Power Supply		3 years	3 years	3 years	
ProSupport Maintenance Contracts***	OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year	PMB0511-100005 PMB0531-100005 PMB0551-100005	PMB0511-100005 PMB0531-100005 PMB0551-100005	PMB0511-100005 PMB0531-100005 PMB0551-100005	

Unmanaged Switches

Unmanaged, L2, Gigabit



MODEL	GS308	GS308PP
Port Configuration	10M/100M RJ45 Copper Ports (Auto Uplink)	
	10M/100M/1G RJ45 Copper Ports (Auto Uplink)	8
PoE (Power-over-Ethernet)	# of PoE Ports	8
	PoE (15.4W) 802.3af Ports	8
	PoE+ (30W) 802.3at Ports	8
	Total PoE/PoE+ Budget	83W* (FlexPoE)
Scalability	# MAC Addresses	8K
	MAC Address Aging (sec)	300 sec
Quality of Service	Number of Priority Queues	
	Traffic Prioritization	802.1p based QoS/CoS
Performance	Bandwidth	16 Gbps
	Buffer Memory	128 KB
	Jumbo Frames	9,216 bytes
Energy Efficiency	IEEE 802.3az	✓
	Auto Port Power Down	✓
	Max Power Consumption	3.04W
Physical	Form-factor/Mounting (Desktop, Wall, Rack)	Desktop, Wall mount
	Metal/Plastic Enclosure	Metal
	MTBF @ 25°C	3,711,898 hrs (424 yrs)
	Fan(s)	None
	Width x Depth x Height	158 x 101 x 29 mm (6.2 x 4.0 x 1.1 in)
	Weight	0.39 kg (0.86 lb)
Electromagnetic Compliance	Class (A or B)	B
Warranty Hardware*		3 years
Warranty Power Supply		3 years
ProSupport Maintenance Contracts***	OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year	PMB0511-100005 PMB0531-100005 PMB0551-100005

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

Unmanaged Switches

Unmanaged, L2, Gigabit



MODEL	GS316P	GS316PP
Port Configuration	10M/100M RJ45 Copper Ports (Auto Uplink)	
	10M/100M/1G RJ45 Copper Ports (Auto Uplink)	16
PoE (Power-over-Ethernet)	# of PoE Ports	16
	PoE (15.4W) 802.3af Ports	16
	PoE+ (30W) 802.3at Ports	16
	Total PoE/PoE+ Budget	115W* (FlexPoE)
Scalability	# MAC Addresses	4K
	MAC Address Aging (sec)	300 sec
Quality of Service	Number of Priority Queues	
	Traffic Prioritization	802.1p based QoS/CoS
Performance	Bandwidth	32 Gbps
	Buffer Memory	1MB
	Jumbo Frames	9,216 bytes
Energy Efficiency	IEEE 802.3az	✓
	Auto Power Down	✓
	Max Power Consumption	12.9W (no PoE) 130W (with PoE max)
Physical	Desktop/Rack mount	Desktop, Wall mount
	Metal/Plastic Enclosure	Metal
	MTBF @ 25°C	2,362,192 hrs
	Fan(s)	None
	Width x Depth x Height	286 x 102 x 27 mm (11.3 x 4 x 1.1 in)
	Weight	0.88 kg (1.94 lb)
	Electromagnetic Compliance	Class (A or B)
Warranty Hardware*	3 years	
Warranty Power Supply	3 years	
ProSupport Maintenance Contracts***	OnCall 24x7 1-year	PMB0512-10000S
	OnCall 24x7 3-year	PMB0532-10000S
	OnCall 24x7 5-year	PMB0552-10000S

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

Unmanaged Switches

Unmanaged, L2, Gigabit



MODEL	GS324	GS324P	GS324PP
Port Configuration	10M/100M RJ45 Copper Ports (Auto Uplink)	0	0
	10M/100M/1G RJ45 Copper Ports (Auto Uplink)	24	24
PoE (Power-over-Ethernet)	# of PoE Ports	16	24
	PoE+ (30W) 802.3at Ports	16	24
	Total PoE/PoE+ Budget	190W	380W
Scalability	# MAC Addresses	8K	8K
	MAC Address Aging (sec)	300 ~ 600 sec	300-450 sec
Quality of Service	Number of Priority Queues		
	Traffic Prioritization	802.1p based QoS/CoS	802.1p based QoS/CoS
Performance	Bandwidth	48 Gbps	48 Gbps
	Buffer Memory	512 KB	192KB
	Jumbo Frames	9,216 bytes	10,000 bytes
Energy Efficiency	IEEE 802.3az	✓	✓
	Auto Power Down	✓	✓
	Max Power Consumption	11.1W	210W
Physical	Desktop/Rack mount	Desktop, Wall mount, Rack mount	Desktop, Rack mount
	Metal/Plastic Enclosure	Metal	Metal
	MTBF @ 25°C	433,281 hrs (71 yrs)	1,193,574 hrs
	Fan(s)	None	1
	Width x Depth x Height	252 x 180 x 44 mm (9.9 x 7.1 x 1.7 in)	330 x 206 x 43 mm (12.99 x 8.12 x 1.69 in)
	Weight	1.31 kg (2.90 lb)	2.44 kg (5.28 lb)
	Electromagnetic Compliance	Class (A or B)	A
Warranty Hardware*	3 years	3 years	
Warranty Power Supply	Internal (same as switch)	Internal (same as switch)	
ProSupport Maintenance Contracts***	OnCall 24x7 1-year	PMB0512-10000S	PMB0312-10000S
	OnCall 24x7 3-year	PMB0532-10000S	PMB0332-10000S
	OnCall 24x7 5-year	PMB0552-10000S	PMB0352-10000S

Unmanaged Switches

Unmanaged, L2, Gigabit



MODEL	GS348	GS348PP	GS105	
Port Configuration	10M/100M RJ45 Copper Ports (Auto Uplink)			
	10M/100M/1G RJ45 Copper Ports (Auto Uplink)	48	5	
PoE (Power-over-Ethernet)	# of PoE Ports	24		
	PoE+ (30W) 802.3at Ports	24		
	Total PoE/PoE+ Budget	380W		
Scalability	# MAC Addresses	8K	2K	
	MAC Address Aging (sec)	300 sec	300-450 sec	
Quality of Service	Number of Priority Queues			
	Traffic Prioritization	802.1p based QoS/CoS	802.1p based QoS/CoS	802.1p based QoS/CoS
Performance	Bandwidth	96 Gbps	48 Gbps	10 Gbps
	Buffer Memory	1.5 MB	1.5MB	128 KB
	Jumbo Frames	9,216 bytes	12,888 bytes	9,216 bytes
Energy Efficiency	IEEE 802.3az	✓	✓	✓
	Auto Power Down	✓	✓	✓
	Max Power Consumption	23W	410W	2.7W
Physical	Desktop/Rack mount	Desktop, Rack mount	Desktop Rack mount	Desktop/Wall mount
	Metal/Plastic Enclosure	Metal	Metal	Metal
	MTBF @ 25°C	1,094,297 hrs (125 yrs)	570,972 hrs	3,197,945 hrs (365 yrs)
	Fan(s)	None	2	None
	Width x Depth x Height	440 x 202 x 43 mm (17.3 x 8.0 x 1.7 in)	440 x 310 x 43 mm (17.3 x 12.2 x 1.7 in)	94 x 100 x 27 mm (3.7 x 3.9 x 1.1 in)
	Weight	3.15 kg (6.95 lb)	4.56kg (10.05lb)	0.26 kg (0.57 lb)
	Electromagnetic Compliance	Class (A or B)	A	A
Warranty Hardware*	3 years	3 years	Lifetime* Limited	
Warranty Power Supply	Internal (same as switch)	3 years	2 years	
ProSupport Maintenance Contracts***	OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year	PMB0512-10000S PMB0532-10000S PMB0552-10000S	PMB0512-10000S PMB0532-10000S PMB0552-10000S	PMB0511-10000S PMB0531-10000S PMB0551-10000S

Unmanaged Switches

Unmanaged, L2, Gigabit



MODEL	GS108	GS108LP	GS108PP	
Port Configuration	10M/100M RJ45 Copper Ports (Auto Uplink)			
	10M/100M/1G RJ45 Copper Ports (Auto Uplink)	8	8	8
PoE (Power-over-Ethernet)	# of PoE Ports	8	8	8
	PoE+ (30W) 802.3at Ports	8	8	8
	Total PoE/PoE+ Budget	60W* (FlexPoE)	60W* (FlexPoE)	123W
Scalability	# MAC Addresses	4K	4K	4K
	MAC Address Aging (sec)	300 sec	300 sec	300 sec
Quality of Service	Number of Priority Queues			
	Traffic Prioritization	802.1p based QoS/CoS	802.1p based QoS/CoS	802.1p based QoS/CoS
Performance	Bandwidth	16 Gbps	16 Gbps	16 Gbps
	Buffer Memory	192 KB	192 KB	192 KB
	Jumbo Frames	9,216 bytes	9,216 bytes	9,216 bytes
Energy Efficiency	IEEE 802.3az	✓	✓	✓
	Auto Port Power Down	✓	✓	✓
	Max Power Consumption	2.73W	3.86W (no PoE) 67.5W (with PoE max)	3.86W (no PoE) 130W (with PoE max)
Physical	Desktop/Rack mount	Desktop/Wall mount	Desktop/Wall mount/Rack mount	Desktop/Wall mount/Rack mount
	Metal/Plastic Enclosure	Metal	Metal	Metal
	MTBF @ 25°C	5,095,578 hrs (1110 yrs)	2,752,476 hrs (314 yrs)	2,752,476 hrs (314 yrs)
	Fan(s)	None	None	None
	Width x Depth x Height	158 x 102 x 27 mm (6.2 x 4.0 x 1.1 in)	236 x 102 x 27 mm (9.3 x 4.0 x 1.1 in)	236 x 102 x 27 mm (9.3 x 4.0 x 1.1 in)
	Weight	0.47 kg (1.04 lb)	0.60 kg (1.32 lb)	0.60 kg (1.32 lb)
	Electromagnetic Compliance	Class (A or B)	B	A
Warranty Hardware*	Lifetime* Limited	Lifetime* Limited	Lifetime* Limited	
Warranty Power Supply	2 years	2 years	2 years	
ProSupport Maintenance Contracts***	OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year	PMB0511-10000S PMB0531-10000S PMB0551-10000S	PMB0512-10000S PMB0532-10000S PMB0552-10000S	PMB0512-10000S PMB0532-10000S PMB0552-10000S

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

Unmanaged Switches

Unmanaged, L2, Gigabit



MODEL	GS116	GS116LP	GS116PP	JGS516	JGS524
Port Configuration	10M/100M RJ45 Copper Ports (Auto Uplink)				
	16	16	16	16	24
PoE (Power-over-Ethernet)	# of PoE Ports				
		16	16		
	PoE+ (30W) 802.3at Ports				
Scalability	Total PoE/PoE+ Budget				
		76W* (FlexPoE)	183W		
Quality of Service	# MAC Addresses				
		8K	4K	4K	8K
Performance	MAC Address Aging (sec)				
		300 sec	300 sec	300 sec	300 sec
Energy Efficiency	IEEE 802.3az				
		none	✓	✓	✓
Physical	Auto Port Power Down				
		✓	✓	✓	✓
Warranty Hardware*	Max Power Consumption				
		9.5W	12.9W (no PoE) 90W (with PoE max)	12.9W (no PoE) 200W (with PoE max)	11.8W
ProSupport Maintenance Contracts***	Desktop/Rack mount				
		Desktop, Wall mount	Desktop/Wall mount/Rack mount	Desktop/Wall mount/Rack mount	Desktop/Rack mount
Warranty Power Supply	Metal/Plastic Enclosure				
		Metal	Metal	Metal	Metal
ProSupport Maintenance Contracts***	MTBF @ 25°C				
		554,582 hrs (63 yrs)	2,362,192 hrs (270 yrs)	2,362,192 hrs (270 yrs)	441,123 hrs (50 yrs)
ProSupport Maintenance Contracts***	Fan(s)				
		None	None	None	None
ProSupport Maintenance Contracts***	Width x Depth x Height				
		286 x 100 x 27 mm (11.3 x 3.9 x 1.1 in.)	286 x 102 x 27 mm (11.3 x 4.0 x 1.1 in.)	286 x 102 x 27 mm (11.3 x 4.0 x 1.1 in.)	328 x 169 x 43 mm (12.9 x 6.7 x 1.7 in.)
ProSupport Maintenance Contracts***	Weight				
		0.90 kg (1.98 lb)	0.88 kg (1.94 lb)	0.88 kg (1.94 lb)	1.47 kg (3.27 lb)
ProSupport Maintenance Contracts***	Class (A or B)				
		A	A	A	A
ProSupport Maintenance Contracts***	Hardware/Switch				
		Lifetime* Limited	Lifetime* Limited	Lifetime* Limited	Lifetime* Limited
ProSupport Maintenance Contracts***	Power Supply				
		Internal (same as switch)	Internal (same as switch)	Internal (same as switch)	Internal (same as switch)
ProSupport Maintenance Contracts***	OnCall 24x7 1-year				
		PMB0512-10000S	PMB0512-10000S	PMB0512-10000S	PMB0512-10000S
ProSupport Maintenance Contracts***	OnCall 24x7 3-year				
		PMB0532-10000S	PMB0532-10000S	PMB0532-10000S	PMB0532-10000S
ProSupport Maintenance Contracts***	OnCall 24x7 5-year				
		PMB0552-10000S	PMB0552-10000S	PMB0552-10000S	PMB0552-10000S

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

Unmanaged Switches

Unmanaged, L2, Gigabit



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

Unmanaged Switches

Unmanaged, L2, 10G/Multi-Gig Switches



MODEL	GS108X	GS110MX
Port Configuration	10M/100M/1G RJ45 Copper Ports (Auto Uplink)	8
	1G/2.5GBASE-T RJ45 Copper Ports (Auto Uplink)	
	100M/1G/2.5G/5G/10G RJ45 Copper Ports (Auto Uplink)	2
	10G SFP+ Fiber Ports	1
PoE (Power-over-Ethernet)	# of PoE ports	
	PoE+ (30W) 802.3at Ports	
	Ultra60 PoE++ (60W) 802.3bt Ports	
	# of PD port	
Total PoE/PoE+ Budget		
Scalability	# MAC Addresses	16K
	MAC Address Aging (typical, sec)	300s-600 sec
Quality of Service	802.1p-based QoS/CoS	✓
Performance	Total Bandwidth (Non-Blocking Fabric) (Gbps)	36Gb
	Buffer Memory (Packet Buffer Size)	768KB
	Jumbo Frames	9728byte
Energy Efficiency	IEEE 802.3az	✓
	Auto Port Power Down	✓
	Short Cable Detection/Power Saving	✓
	Max Power Consumption	18W
Physical	Desktop/Rack mount/Wall mount	Desktop/Wallmount
	Metal/Plastic Enclosure	Metal
	MTBF @ 25°C	4,802,599 hrs (547.88 yrs)
	Fan(s)	1
	Acoustic Noise @ 25°C	28.8dB
	Width x Depth x Height	236 x 102 x 27 mm (9.3 x 4.0 x 1.1 in)
	Weight	0.575kg (1.27 lb)
Electromagnetic Compliance	(Class A or B)	B
Warranty	Hardware/Switch	Lifetime* Limited
	Power Supply	2 years
Modules	AGM731F AGM732F AGM734 AXC761 AXC763 AXM761 AXM762 AXM764	
ProSupport Maintenance Contracts***	OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year	PMB0S12-10000S PMB0S32-10000S PMB0S52-10000S

Unmanaged Switches

Unmanaged, L2, 10G/Multi-Gig Switches



MODEL	MS105	MS305
Port Configuration	10M/100M/1G RJ45 Copper Ports (Auto Uplink)	
	1G/2.5GBASE-T RJ45 Copper Ports (Auto Uplink)	
	100M/1G/2.5G/5G/10G RJ45 Copper Ports (Auto Uplink)	5
	10G SFP+ Fiber Ports	
PoE (Power-over-Ethernet)	# of PoE ports	
	PoE+ (30W) 802.3at Ports	
	Ultra60 PoE++ (60W) 802.3bt Ports	
	# of PD port	
Total PoE/PoE+ Budget		
Scalability	# MAC Addresses	16K
	MAC Address Aging (typical, sec)	300-600 sec
Quality of Service	802.1p-based QoS/CoS	✓
Performance	Total Bandwidth (Non-Blocking Fabric) (Gbps)	25 Gbps
	Buffer Memory (Packet Buffer Size)	1MB
	Jumbo Frames	9720 bytes
Energy Efficiency	IEEE 802.3az	✓
	Auto Port Power Down	✓
	Short Cable Detection/Power Saving	✓
	Max Power Consumption	9.24W
Physical	Desktop/Rack mount/Wall mount	Desktop/Wallmount
	Metal/Plastic Enclosure	Metal
	MTBF @ 25°C	1,401,743 hrs (160 yrs)
	Fan(s)	None
	Acoustic Noise @ 25°C	0dB
	Width x Depth x Height	158 x 101 x 29 mm (6.2 x 4.0 x 1.1 in)
	Weight	0.48 kg (1.06 lb)
Electromagnetic Compliance	(Class A or B)	B
Warranty	Hardware/Switch	Lifetime* Limited
	Power Supply	2 years
Modules		
ProSupport Maintenance Contracts***	OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year	PMB0S12-10000S PMB0S32-10000S PMB0S52-10000S

Unmanaged Switches

Unmanaged, L2, Multi-Gig



Unmanaged, L2, 10G/Multi-Gig Switches



MODEL	MS108UP	XS505M	XS508M
Port Configuration	10M/100M/1G RJ45 Copper Ports (Auto Uplink)		
	1G/2.5GBASE-T RJ45 Copper Ports (Auto Uplink)	8	
	100M/1G/2.5G/5G/10G RJ45 Copper Ports (Auto Uplink)		4
	10G SFP+ Fiber Ports		1 SFP+ (dedicated)
PoE (Power-over-Ethernet)	# of PoE ports	8	
	PoE+ (30W) 802.3at Ports	4	
	Ultra60 PoE+ (60W) 802.3bt Ports	4	
	# of PD port		
	Total PoE/PoE+ Budget	230W	
Scalability	# MAC Addresses	16K	2K
	MAC Address Aging (typical, sec)	300 sec	300 sec
Quality of Service	802.1p-based QoS/CoS	✓	✓
	Total Bandwidth (Non-Blocking Fabric) (Gbps)	40 Gbps	10 Gbps
Performance	Buffer Memory (Packet Buffer Size)	1.5MB	125 KB
	Jumbo Frames	12,000 bytes	9,216 bytes
			9,216 bytes
Energy Efficiency	IEEE 802.3az	✓	✓
	Auto Port Power Down	✓	✓
	Short Cable Detection/Power Saving	✓	✓
	Max Power Consumption	16.58W(no PoE) 270.5W(with PoE MAX)	22.5W
Physical	Desktop/Rack mount/Wall mount	Desktop, Wall mount	Desktop/Wall mount
	Metal/Plastic Enclosure	Metal	Metal
	MTBF @ 25°C	373643.7 hrs (42.62 yrs)	1,093,237 hrs (125 yrs)
	Fan(s)	None	1
	Acoustic Noise @ 25°C	0dBA	22.5dBA
	Width x Depth x Height	210 x 140 x 40 mm (8.27 x 5.51 x 1.58 in)	328 x 169 x 43 mm (12.9 x 6.7 x 1.7 in)
	Weight	0.90 kg (1.98 lb)	1.38 kg (3.04 lb)
Electromagnetic Compliance	(Class A or B)	B	B
Warranty	Hardware/Switch	Lifetime* Limited	Lifetime* Limited
	Power Supply	2 years	Internal (same as switch)
Modules		AGM731/AGM732F/AGM734 AXC761/AXC763 AXM761/AXM762/AXM763/AXM764/AXM765 (10GBASE-T only)	AGM731/AGM732F/AGM734 AXC761/AXC763 AXM761/AXM762/AXM763/AXM764/AXM765 (10GBASE-T only)
ProSupport Maintenance Contracts***	OnCall 24x7 1-year	PMB0312-10000S	PMB0311-10000S
	OnCall 24x7 3-year	PMB0332-10000S	PMB0331-10000S
	OnCall 24x7 5-year	PMB0352-10000S	PMB0351-10000S

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

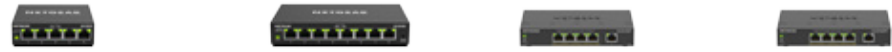
Plus, L2, Gigabit



MODEL	GS105E	GS108E
Port Configuration	10M/100M/1G RJ45 Copper Ports (Auto Uplink)	5
PoE (Power-over-Ethernet)	PoE (15.4W) 802.3af Ports	
	Total PoE/PoE+ Budget	
Scalability	# MAC Addresses	2K
	Dynamic MAC	✓
System Management	Single IP Management	✓
	Web Managed/GUI	✓
	DHCP (Client/Server)	DHCP Client
	Port Mirroring	Many-to-One
Quality of Service	Number of Priority Queues	4
	Traffic Prioritization	802.1p, Port-based and DSCP
	Auto Voice VLAN	
Multicast Filtering	IGMP Snooping Version	v1, v2 and v3
Performance	Bandwidth	10 Gbps
	Buffer Memory	128 KB
	Jumbo Frames	9,216 bytes
Traffic Management	Number of 802.1q VLAN/Number of VLAN Group	64
	Port Trunking/Link Aggregation (Manual Static LAGs)	
	Rate Limiting	✓
	Broadcast Storm Control	✓
Energy Efficiency	IEEE 802.3az	✓
	Auto Port Power Down	✓
	Dynamic Power Consumption	
	Max Power Consumption	2.6W
Physical	Desktop/Rack mount	Desktop, Wall mount
	Metal/Plastic Enclosure	Metal
	MTBF @ 25°C	2,531,294 hrs (290 yrs)
	Fan(s)	None
	Acoustic Noise at 25°C	0dB
	Width x Depth x Height	94 x 100 x 27 mm (3.7 x 3.9 x 1.1 in)
	Weight	0.25 kg (0.55 lb)
Electromagnetic Compliance	Class (A or B)	B
Warranty Hardware*	Lifetime* Limited	Lifetime* Limited
Warranty Power Supply	2 years	2 years
ProSupport Maintenance Contracts***	OnCall 24x7 1-year	PMB0511-10000S
	OnCall 24x7 3-year	PMB0531-10000S
	OnCall 24x7 5-year	PMB0551-10000S

Plus Switches

Plus, L2, Gigabit



MODEL		GS305E	GS308E	GS305EP	GS305EPP
Port Configuration	10M/100M/1G RJ45 Copper Ports (Auto Uplink)	5	8	5	5
	PoE (Power-over-Ethernet)	PoE+ (30W) 802.3at Ports		4	4
	Total PoE/PoE+ Budget			63W	120W
Scalability	# MAC Addresses	2K	4K	4K	4K
	Dynamic MAC			✓	✓
System Management	Single IP Management	✓	✓		
	Web Managed/GUI	✓	✓		
	DHCP (Client/Server)	DHCP Client	DHCP Client	DHCP Client	DHCP Client
	Port Mirroring	Many-to-One	Many-to-One	One-to-One	One-to-One
Quality of Service	Number of Priority Queues	4	4	4	4
	Traffic Prioritization	802.1p, Port-based (CoS)	802.1p, Port-based (CoS)	802.1p, Port-based (CoS)	802.1p, Port-based (CoS)
	Auto Voice VLAN				
Multicast Filtering	IGMP Snooping Version	v1, v2 and v3	v1, v2 and v3	v1, v2 and v3	v1, v2 and v3
Performance	Bandwidth	10 Gbps	16 Gbps	16 Gbps	16 Gbps
	Buffer Memory	128 KB	192 KB	192 KB	192 KB
	Jumbo Frames	9,216 bytes	9,720 bytes	9,216 bytes	9,216 bytes
Traffic Management	Number of 802.1q VLAN/Number of VLAN Group	64	32	64	64
	Port Trunking/Link Aggregation (Manual Static LAGs)			Static LAG	Static LAG
	Rate Limiting	✓	✓	✓	✓
	Broadcast Storm Control	✓	✓	✓	✓
Energy Efficiency	IEEE 802.3az			✓	✓
	Auto Port Power Down			✓	✓
	Dynamic Power Consumption			✓	✓
	Max Power Consumption	2.6W	4.45W	6.0W (no PoE) 74.4W (with PoE max)	5.9W (no PoE) 141.4W (with PoE max)
Physical	Desktop/Rack mount	Desktop, Wall mount	Desktop, Wall mount	Desktop, Wall mount	Desktop, Wall mount
	Metal/Plastic Enclosure	Metal	Metal	Metal	Metal
	MTBF @ 25°C	2,531,294 hrs	2,525,259 hrs	859,126 hrs	842,428 hrs
	Fan(s)	None	None	None	None
	Acoustic Noise at 25°C	0dB	0dB	0dB	0dB
	Width x Depth x Height	94 x 100 x 27 mm (3.7 x 3.9 x 1.1 in)	158 x 101 x 29 mm (6.2 x 4 x 1.1 in)	158 x 101 x 27 mm (6.2 x 4.0 x 1.1 in)	158 x 101 x 27 mm (6.2 x 4.0 x 1.1 in)
	Weight	0.25 kg (0.55 lb)	0.50 kg (1.10 lb)	0.49 kg (1.08lb)	0.49 kg (1.08lb)
Electromagnetic Compliance	Class (A or B)	B	B		
Warranty Hardware*		5 years	5 years	5 years	5 years
Warranty Power Supply		External (same as switch)	External (same as switch)	2 years	2 years
ProSupport Maintenance Contracts***	OnCall 24x7 1-year	PMB0511-10000S	PMB0511-10000S	PMB0511-10000S	PMB0511-10000S
	OnCall 24x7 3-year	PMB0531-10000S	PMB0531-10000S	PMB0531-10000S	PMB0531-10000S
	OnCall 24x7 5-year	PMB0551-10000S	PMB0551-10000S	PMB0551-10000S	PMB0551-10000S

Plus Switches

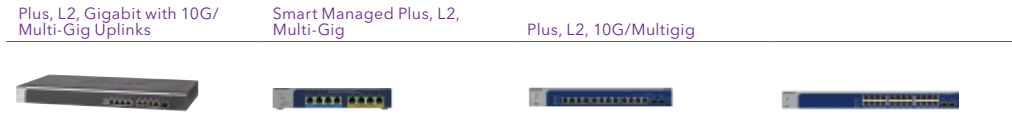
Plus, L2, Gigabit



MODEL		GS308EP	GS308EPP	GS316EP	GS316EPP
Port Configuration	10M/100M/1G RJ45 Copper Ports (Auto Uplink)	8	8	16	16
	PoE (Power-over-Ethernet)	PoE+ (30W) 802.3at Ports		15	15
	Total PoE/PoE+ Budget	62W	123W	180W* (FlexPoE)	231W
Scalability	# MAC Addresses	4K	4K	4K	4K
	Dynamic MAC	✓	✓	✓	✓
System Management	Single IP Management				
	Web Managed/GUI				
	DHCP (Client/Server)	DHCP Client	DHCP Client	DHCP Client	DHCP Client
	Port Mirroring	One-to-One	One-to-One	One-to-One	One-to-One
Quality of Service	Number of Priority Queues	4	4	4	4
	Traffic Prioritization	802.1p, Port-based (CoS)	802.1p, Port-based (CoS)	802.1p, Port-based (CoS)	802.1p, Port-based (CoS)
	Auto Voice VLAN				
Multicast Filtering	IGMP Snooping Version	v1, v2 and v3	v1, v2 and v3	v1, v2 and v3	v1, v2 and v3
Performance	Bandwidth	10 Gbps	10 Gbps		
	Buffer Memory	192 KB	192 KB	192 KB	192 KB
	Jumbo Frames	9,216 bytes	9,216 bytes	10000 bytes	10000 bytes
Traffic Management	Number of 802.1q VLAN/Number of VLAN Group	64	64	64	64
	Port Trunking/Link Aggregation (Manual Static LAGs)	Static LAG	Static LAG	Static LAG	Static LAG
	Rate Limiting	✓	✓	✓	✓
	Broadcast Storm Control	✓	✓	✓	✓
Energy Efficiency	IEEE 802.3az	✓	✓	✓	✓
	Auto Port Power Down	✓	✓	✓	✓
	Dynamic Power Consumption	✓	✓	✓	✓
	Max Power Consumption	4.9W (no PoE) 74.7W (with PoE max)	4.5W (no PoE) 137.8W (with PoE max)	10.09W (no PoE) 198.72W (with PoE MAX)	10.2W (no PoE) 250.56W (with PoE MAX)
Physical	Desktop/Rack mount	Desktop, Wall mount	Desktop, Wall mount	Desktop, Wall mount	Desktop, Wall mount
	Metal/Plastic Enclosure	Metal	Metal	Metal	Metal
	MTBF @ 25°C	1,164,104 hr	853,770 hr	784,742 hrs	570,435 hrs
	Fan(s)	None	None	None	None
	Acoustic Noise at 25°C	0dB	0dB	0dB	0dB
	Width x Depth x Height	158 x 101 x 27 mm (6.2 x 4.0 x 1.1 in)	158 x 101 x 27 mm (6.2 x 4.0 x 1.1 in)	286 x 102 x 27 mm (11.26 x 4.02 x 1.06 in)	286 x 102 x 27 mm (11.26 x 4.02 x 1.06 in)
	Weight	0.39 kg (0.86lb)	0.40 kg (0.88lb)	0.883 kg (1.95 lb)	0.883 kg (1.95 lb)
Electromagnetic Compliance	Class (A or B)				
Warranty Hardware*		5 years	5 years	5 years	5 years
Warranty Power Supply		2 years	2 years	2 years	2 years
ProSupport Maintenance Contracts***	OnCall 24x7 1-year	PMB0511-10000S	PMB0511-10000S	PMB0511-10000S	PMB0511-10000S
	OnCall 24x7 3-year	PMB0531-10000S	PMB0531-10000S	PMB0531-10000S	PMB0531-10000S
	OnCall 24x7 5-year	PMB0551-10000S	PMB0551-10000S	PMB0551-10000S	PMB0551-10000S

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

Plus Switches



MODEL	GS110EMX	MS108EUP	XS512EM	XS724EM
Port Configuration	10M/100M/1G RJ45 Copper Ports (Auto Uplink)	8		
	1G/2.5GBASE-T RJ45 Copper Ports (Auto Uplink)	8		
	100M/1G/2.5G/5G/10G RJ45 Copper Ports (Auto Uplink)		12	24
	10G SFP+ Fiber Ports		2 Combo SFP+ (10G)	2 Combo SFP+ (10G)
PoE (Power-over-Ethernet)	PoE+ (30W) 802.3at Ports	4		
	Ultra60 PoE+(60W) 802.3bt Ports	4		
	Total PoE Budget (Watt)	230W		
Scalability	# MAC Addresses	16K	16K	32K
	Dynamic MAC	✓	✓	✓
System Management	Single IP Management	✓	✓	✓
	Web Managed/GUI	✓	✓	✓
	DHCP (Client/Server)	DHCP Client	DHCP Client	DHCP Client
	Port Mirroring	Many-to-One	One-to-One	Many-to-One
Quality of Service	Number of Priority Queues	8	8	8
	Traffic Prioritization	802.1p, Port-based (CoS)	802.1p, Port-based (CoS)	802.1p, Port-based (CoS)
Multicast Filtering	IGMP Snooping Version	v1, v2 and v3	v1, v2 and v3	v1, v2 and v3
Performance	Bandwidth	56 Gbps	40 Gbps	240 Gbps
	Buffer Memory	2 MB	1.5 MB	3 MB
	Jumbo Frames	10,240 bytes	12,000 bytes	9,216 bytes
Traffic Management	Number of 802.1q VLAN/Number of VLAN Group	64	64	64
	Port Trunking/Link Aggregation (Manual Static LAGs)	Static, LACP	Static, LACP	Static, LACP
	Rate Limiting	✓	✓	✓
	Broadcast Storm Control	✓	✓	✓
	IEEE 802.3az	✓	✓	✓
Energy Efficiency	Auto Port Power Down	✓	✓	✓
	Dynamic Power Consumption	✓	✓	✓
	Max Power Consumption	15.6W	16.58W(no PoE) 270.5W(with PoE MAX)	75.6W
Physical	Desktop/Rack mount	Desktop, Rack mount	Desktop, Rack mount	Desktop, Rack mount
	Metal/Plastic Enclosure	Metal	Metal	Metal
	MTBF @ 25°C	1,572,337 hrs (180 yrs)	373,643.7 hrs (42.62 yrs)	1,113,477 hrs (127 yrs)
	Fan(s)	None	None	2
	Acoustic Noise at 25°C	0dB	0dB	Idle : 29.13dB@25dC/ Full load: 40.85dB@55dC
	Width x Depth x Height	236 x 102 x 27 mm (9.3 x 4.0 x 1.1 in)	210 x 140 x 40 mm (8.27 x 5.51 x 1.58 in)	328 x 204 x 43 mm (12.9 x 8.0 x 1.7 in)
	Weight	0.75 kg (1.65 lb)	0.90 kg (1.98 lb)	2.51 kg (5.54 lb)
Electromagnetic Compliance	Class (A or B)	B	A	A
Warranty Hardware*	Lifetime* Limited	Lifetime* Limited	Lifetime* Limited	Lifetime* Limited
Warranty Power Supply	2 years	2 years	Internal (same as switch)	Internal (same as switch)
Modules			AGM731F/AGM732F/AGM734 AXM761/AXM762/AXM763 AXM764/AXC753 /AXC761 AXC763	AGM731F/AGM732F/AGM734 AXM761/AXM762/AXM763 AXM764/AXC753 /AXC761 AXC763
ProSupport Maintenance Contracts***	OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year	PMB0512-100005 PMB0532-100005 PMB0552-100005	PMB0312-100005 PMB0332-100005 PMB0352-100005	PMB0312-100005 PMB0332-100005 PMB0352-100005

Smart Switches



MODEL	GS324T	GS324TP
Port Configuration	10/100 RJ45 Ports (Auto Uplink)	
	10/100/1000 RJ45 Ports (Auto Uplink)	24
	Fiber Ports	2 SFP
	10Gig Module Bays	
PoE (Power-over-Ethernet)	PoE (15.4W) 802.3af Ports	
	PoE+ (30W) 802.3at Ports	24
	Total PoE Budget	190W
Scalability	# MAC Addresses	16000
	ARP Table - Size of	
	# Routing Entries	
	# ACL Rules	100
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)	Client
	Port Mirroring	Many-to-One
	IPv6 full set	
Quality of Service	Number of Priority Queues	4
	Traffic Prioritization	802.1p, DSCP, Diffserv
	Auto Voice VLAN	✓
Multicast Filtering	IGMP Snooping Version	v1, v2, v3
	IGMP Snooping Querier	✓
Performance	Bandwidth	52 Gbps
	Buffer Memory	512 KB Per Unit
	Jumbo Frames	9,216
Availability	Spanning Tree 802.1d/RSTP .1w/MSTP .1s	802.1d, .1w, .1s
Traffic Management	Number of 802.1q VLAN/Number of VLAN Group	64
	Link Aggregation 802.3ad/LACP	✓
	Discovery Protocol LLDP 802.1ab	✓
	Rate Limiting	✓
	Broadcast Storm Control	✓
	IEEE 802.3az	✓
L3 Routing	IPv4 Static Routing	
	Security	IEEE 802.1x (RADIUS)
Energy Efficiency	ACL - Access Control Lists	MAC, IP
	SSL/SSH & HTTPS	HTTPS
	Guest VLAN	✓
	DHCP Snooping/IP Source Guard/ARP Guard	✓
	TACACS+	✓
	Auto Port Power Down	✓
	Dynamic Power Consumption	✓
Max Power Consumption	13.5 Watts	
Physical	Desktop/Rack mount	Rack mount
	Metal/Plastic Enclosure	Metal
	MTBF @ 25°C	1,999,946.7 hrs (228 yrs)
	Fan(s)	None
	Acoustic Noise @ 25°C	0 dBA
	Width x Depth x Height	328 x 169 x 43 mm (12.9 x 6.7 x 1.7 in)
	Weight	1.62 kg (3.57 lb)
Electromagnetic Compliance	Class (A or B)	B
Warranty Hardware*	5 year	5 year
Warranty Power Supply	5 year	5 year
Modules	AGM731F AGM732F AGM734	AGM731F AGM732F AGM734
ProSupport Maintenance PKGS***	OnCall 24x7 3-year	PMB0512-100005 PMB0532-100005 PMB0552-100005

Smart Switches

Smart, L2+ with static routing, Gigabit



MODEL	GS510TLP	GS510TPP	GS724Tv4
Port Configuration	10/100/1000 RJ45 Ports (Auto Uplink)	8	8
	Fiber Ports	2	2
PoE (Power-over-Ethernet)	PoE (15.4W) 802.3af Ports	8	8
	PoE+ (30W) 802.3at Ports	8	8
	Total PoE Budget	75W	190W
Scalability	# MAC Addresses	16K	16,000
	ARP Table - Size of	479	512
	# Routing Entries	32	32
	# ACL Rules	100	100
System Management	Web Managed/GUI	✓	✓
	Insight Management	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
Multicast Filtering	Traffic Prioritization	802.1p, DSCP, Diffserv	802.1p, DSCP, Diffserv
	Auto Voice VLAN	✓	✓
Performance	IGMP Snooping Version	v1, v2, v3	v1, v2, v3
	IGMP Snooping Querier	✓	✓
Availability	Bandwidth	20 Gbps	20 Gbps
	Buffer Memory	1.5 MB per system	1.5 MB per system
Traffic Management	Jumbo Frames	9,216	9,216
	Spanning Tree 802.1d/RSTP .1w/MSTP .1s	802.1d, .1w, .1s	802.1d, .1w, .1s
L3 Routing	Number of 802.1q VLAN/Number of VLAN Group	✓	256
	Link Aggregation 802.3ad/LACP	✓	✓
Security	Discovery Protocol LLDP 802.1ab	✓	✓
	Rate Limiting	✓	✓
Energy Efficiency	Broadcast Storm Control	✓	✓
	IPv4 Static Routing	✓	✓
Physical	IEEE 802.1x (RADIUS)	✓	✓
	ACL - Access Control Lists	MAC, IP, TCP	MAC, IP
Electromagnetic Compliance	SSL/SSH & HTTPS	SSL/HTTPS	SSL/HTTPS
	Guest VLAN	✓	✓
Warranty Hardware	DHCP Snooping/IP Source Guard/ARP Guard	✓	✓
	TACACS+	✓	✓
Warranty Power Supply	IEEE 802.3az	✓	✓
	Auto Port Power Down	✓	✓
Modules	Dynamic Power Consumption	✓	✓
	Max Power Consumption	101W	225W
ProSupport Maintenance PKGS	Desktop/Rack mount	Desktop/Rack mount	Rack mount
	Metal/Plastic Enclosure	Metal	Metal
ProSupport Maintenance PKGS	MTBF @ 25°C	913,368 hrs (104 yrs)	1,509,979 hrs (172 yrs)
	Fan(s)	None	1
ProSupport Maintenance PKGS	Acoustic Noise @ 25°C	0dBA	32dBA
	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)
ProSupport Maintenance PKGS	Weight	1.74 kg (3.84 lb)	1.83 kg (4.03 lb)
	Class (A or B)	A	A
ProSupport Maintenance PKGS	Lifetime	Lifetime	Lifetime
	Lifetime	Lifetime	Lifetime
ProSupport Maintenance PKGS	AGM731F/AGM732F/AGM734	AGM731F/AGM732F/AGM734	AGM731F/AGM732F/AGM734
	PMB0512-10000S	PMB0311-10000S	PMB0311-10000S
ProSupport Maintenance PKGS	PMB0532-10000S	PMB0331-10000S	PMB0331-10000S
	PMB0552-10000S	PMB0351-10000S	PMB0351-10000S

Smart Switches

Smart, L2+ with static routing, Gigabit



MODEL	GS748Tv5	MS510TXPP
Port Configuration	10/100 RJ45 Ports (Auto Uplink)	N/A
	10/100/1000 RJ45 Ports (Auto Uplink)	48
PoE (Power-over-Ethernet)	Fiber Ports	2 dedicated and 2 combo SFP
	PoE (15.4W) 802.3af Ports	8
	PoE+ (30W) 802.3at Ports	8
Scalability	Total PoE Budget	180W
	# MAC Addresses	16,000
	ARP Table - Size of	512
	# Routing Entries	32
System Management	# ACL Rules	100
	Single IP Management	✓
	Web Managed/GUI	✓
	Insight Cloud Management Option	✓
	Command Line Interface/RS232 Console/Telnet	✓
	SNMP Version	v1, v2c, v3
	RMON Group	1,2,3,9
	DHCP (Client/Server)	Client
Quality of Service	Port Mirroring	Many-to-One
	IPv6 full set	✓
Multicast Filtering	Number of Priority Queues	8
	Traffic Prioritization	802.1p, DSCP, Diffserv
Performance	Auto Voice VLAN	✓
	IGMP Snooping Version	v1, v2, v3
Availability	IGMP Snooping Querier	✓
	Bandwidth	100 Gbps
Traffic Management	Buffer Memory	2 MB Per System
	Jumbo Frames	9,216
L3 Routing	Spanning Tree 802.1d/RSTP .1w/MSTP .1s	802.1d, .1w, .1s
	Number of 802.1q VLAN/Number of VLAN Group	256
Security	Link Aggregation 802.3ad/LACP	✓
	Discovery Protocol LLDP 802.1ab	✓
Energy Efficiency	Rate Limiting	✓
	Broadcast Storm Control	✓
Physical	IPv4 Static Routing	✓
	IEEE 802.1x (RADIUS)	✓
Electromagnetic Compliance	ACL - Access Control Lists	MAC, IP
	SSL/SSH & HTTPS	SSL/HTTPS
Warranty Hardware	Guest VLAN	✓
	DHCP Snooping/IP Source Guard/ARP Guard	✓
Warranty Power Supply	TACACS+	✓
	IEEE 802.3az	✓
Modules	Auto Port Power Down	✓
	Dynamic Power Consumption	✓
ProSupport Maintenance PKGS	Max Power Consumption	41.1W
	Desktop/Rack mount	Rack mount
ProSupport Maintenance PKGS	Metal/Plastic Enclosure	Metal
	MTBF @ 25°C	390,728 hrs (45 yrs)
ProSupport Maintenance PKGS	Fan(s)	2
	Acoustic Noise @ 25°C	37.2dBA
ProSupport Maintenance PKGS	Width x Depth x Height	440 x 257 x 43 mm (17.3 x 10.1 x 1.7 in)
	Weight	3.46 kg (7.63 lb)
ProSupport Maintenance PKGS	Class (A or B)	A
	Lifetime	Lifetime
ProSupport Maintenance PKGS	Lifetime	Lifetime
	AGM731F/AGM732F/AGM734	AGM731F/AGM732F/AGM734 (for combo port only)
ProSupport Maintenance PKGS	PMB0311-10000S	PMB0312-10000S
	PMB0331-10000S	PMB0331-10000S
ProSupport Maintenance PKGS	PMB0351-10000S	PMB0352-10000S
	PMB0351-10000S	PMB0352-10000S

Smart Switches

Smart, L2+ with static routing, 10-Gigabit

MODEL	XS728T	XS748T	
Port Configuration	10/100 RJ45 Ports (Auto Uplink)		
	10/100/1000 RJ45 Ports (Auto Uplink)	24 10GBASE-T	
	Fiber Ports	4 SFP+ (10G)	
PoE (Power-over-Ethernet)	PoE (15.4W) 802.3af Ports		
	PoE+ (30W) 802.3at Ports		
	Total PoE Budget		
Scalability	# MAC Addresses	32,000	
	ARP Table - Size of	1,024	
	# Routing Entries	64	
	# ACL Rules	164	
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/L2 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	560 Gbps	
	Buffer Memory	3 MB Per System	
	Jumbo Frames	10,240	
Availability	Spanning Tree 802.1d/RSTP .1w/MSTP .1s	802.1d, .1w, .1s	
	RPS Redundant Power Supply		
Traffic Management	Number of 802.1q VLAN/Number of VLAN Group	512	
	Link Aggregation 802.3ad/LACP	✓	
	Discovery Protocol LLDP 802.1ab	✓	
	Rate Limiting	✓	
	Broadcast Storm Control	✓	
L3 Routing	IPv4 Static Routing	✓	
Security	IEEE 802.1x (RADIUS)	✓	
	ACL - Access Control Lists	MAC, IP, TCP	
	SSL/SSH & HTTPS	HTTPS	
	Guest VLAN	✓	
	DHCP Snooping/IP Source Guard/ARP Guard	✓	
	TACACS+	✓	
Energy Efficiency	Auto Port Power Down	✓	
	Dynamic Power Consumption	✓	
	Max Power Consumption	134.9W	
Physical	Desktop/Rack mount	Rack mount	
	Metal/Plastic Enclosure	Metal	
	MTBF @ 25°C	514,977 hrs (59 yrs)	
	Fan(s)	4	
	Acoustic Noise @ 25°C	41.6dBA	
	Width x Depth x Height	440 x 310 x 43 mm (17.3 x 12.2 x 1.7 in)	
	Weight	5.04 kg (11.11 lb)	
Electromagnetic Compliance	Class (A or B)	A	
Warranty Hardware	Lifetime	Lifetime	
Warranty Power Supply	Lifetime	Lifetime	
Modules	AGM731F/AGM732F/AGM734/AXM761/AXM762/AXM763/AXM764/AXC761/AXC763	AGM731F/AGM732F/AGM734/AXM761/AXM762/AXM763/AXM764/AXC761/AXC763	
ProSupport Maintenance PKGS	OnCall 24x7 1-year	PMB0313-10000S	
	OnCall 24x7 3-year	PMB0333-10000S	
	OnCall 24x7 5-year	PMB0353-10000S	

Smart Switches with Optional Insight Remote/Cloud Management

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

MODEL	GS108Tv3	GS110TPv3	
Port Configuration	10/100 RJ45 Ports (Auto Uplink)		
	10/100/1000 RJ45 Ports (Auto Uplink)	8	
	Fiber Ports	2 SFP	
PoE (Power-over-Ethernet)	PoE (15.4W) 802.3af Ports		
	PoE+ (30W) 802.3at Ports		
	Ultra60 PoE++ (60W) 802.3bt Ports		
Scalability	Total PoE Budget	55W	
	Uninterrupted PoE		
	# MAC Addresses	8,000	
	ARP Table - Size of	512	
	# Routing Entries	32	
System Management	# ACL Rules	100	
	Single IP Management	✓	
	Web Managed/GUI	✓	
	Command Line Interface/RS232 Console/Telnet	Smart CLI (Upgrade to the latest firmware)	
	Insight Cloud Management Option	✓	
	SNMP Version	v1, v2c, v3	
	RMON Group	1,2,3,9	
	DHCP (Client/Server/Relay)	Client	
	Port Mirroring	Many-to-One	
	IPv6 full set		
	Optional Unified Network Management	Discovery, setup, monitoring and management via NETGEAR Insight mobile app or Insight Cloud Portal	✓
	Optional Discovery, Setup, Monitoring & Management	Remote/Cloud management	✓
Centralized network configuration (policies) across Insight Managed Switches and Wireless Access Points		✓	
Additional devices auto-join and inherit network configuration (zero-touch provisioning)		✓	
Multi-site, multi-network management in a single pane-of-glass view		✓	
Quality of Service	Number of Priority Queues	8	
	Traffic Prioritization	802.1p, DSCP, Diffserv, TCP/UDP	
	Auto Voice VLAN	✓	
Multicast Filtering	IGMP Snooping Version	v1, v2, v3	
	IGMP Snooping Querier	✓	
Performance	Bandwidth	16 Gbps	
	Buffer Memory	512 KB Per Unit	
	Jumbo Frames	10,000	
Availability	Spanning Tree 802.1d/RSTP .1w/MSTP .1s	802.1d, .1w, .1s	
Traffic Management	Number of 802.1q VLAN/Number of VLAN Group	64	
	Link Aggregation 802.3ad/LACP	✓	
	Discovery Protocol LLDP 802.1ab	✓	
	Rate Limiting	✓	
	Broadcast Storm Control	✓	
L3 Routing	IPv4 Static Routing	✓	
Security	IEEE 802.1x (RADIUS)	✓	
	ACL - Access Control Lists	MAC, IP	
	SSL/SSH & HTTPS	HTTPS	
	Guest VLAN	✓	
	DHCP Snooping/IP Source Guard/ARP Guard	✓	
	TACACS+	✓	
Energy Efficiency	EEE 802.3az		
	Auto Port Power Down	✓	
	Dynamic Power Consumption	✓	
Physical	Max Power Consumption	5.75 Watts if powered by PoE via port 5.5 Watts (DC)	
	Desktop/Rack mount	Desktop	
	Metal/Plastic Enclosure	Metal	
	MTBF @ 25°C	2,388,657 hrs (273 yrs)	
	Fan(s)	None	
	Acoustic Noise @ 25°C	0 dBA	
	Width x Depth x Height	158 x 101 x 27 mm (6.2 x 4.0 x 1.1 in)	
		Weight	0.43 kg (0.94 lb)
	Electromagnetic Compliance	Class (A or B)	B
	Warranty Hardware	Lifetime	Lifetime
	Warranty Power Supply	2 yrs	2 yrs
	Modules		AGM731F/AGM732F/AGM734/AXM765 (1G mode only)
	ProSupport Maintenance PKGS	On Call 3-year 24 x 7	PMB0511-10000S
		PMB0531-10000S	
		PMB0551-10000S	

Smart Switches with Optional Insight Remote/Cloud Management

Smart with Cloud, L2, Gigabit



MODEL	GS724TPV2	GS724TPV3
Port Configuration	10/100 RJ45 Ports (Auto Uplink)	
	10/100/1000 RJ45 Ports (Auto Uplink)	24
	Fiber Ports	2 dedicated SFP
PoE (Power-over-Ethernet)	PoE (15.4W) 802.3af Ports	24
	PoE+ (30W) 802.3at Ports	24
	Ultra60 PoE++ (60W) 802.3bt Ports	
	Total PoE Budget	190W
Scalability	Uninterrupted PoE	
	# MAC Addresses	8,000
	ARP Table - Size of	
	# Routing Entries	
System Management	# ACL Rules	100
	Single IP Management	✓
	Web Managed/GUI	✓
	Insight Cloud Management Option	✓
	Command Line Interface/RS232 Console/Telnet	Smart CLI (Upgrade to the latest firmware)
	SNMP Version	v1, v2c, v3
	RMON Group	1,2,3,9
	DHCP (Client/Server/Relay)	Client
	Port Mirroring	Many-to-One
	IPv6 full set	✓
Optional Unified Network Management	Discovery, setup, monitoring and management via NETGEAR Insight mobile app or Insight Cloud Portal	✓
Optional Discovery, Setup, Monitoring & Management	Remote/Cloud management	✓
	Centralized network configuration (policies) across Insight Managed Switches and Wireless Access Points	✓
	Additional devices auto-join and inherit network configuration (zero-touch provisioning)	✓
	Multi-site, multi-network management in a single pane-of-glass view	✓
Quality of Service	Number of Priority Queues	8
	Traffic Prioritization	802.1p, DSCP, Diffserv, TCP/UDP
	Auto Voice VLAN	✓
Multicast Filtering	IGMP Snooping Version	v1, v2, v3
	IGMP Snooping Querier	✓
Performance	Bandwidth	52 Gbps
	Buffer Memory	0.5 MB Per System
	Jumbo Frames	9,216
Availability	Spanning Tree 802.1d/RSTP .1w/MSTP .1s	802.1d, .1w, .1s
Traffic Management	Number of 802.1q VLAN/Number of VLAN Group	64
	Link Aggregation 802.3ad/LACP	✓
	Discovery Protocol LLDP 802.1ab	✓
	Rate Limiting	✓
	Broadcast Storm Control	✓
L3 Routing	IPv4 Static Routing	
Security	IEEE 802.1x (RADIUS)	✓
	ACL - Access Control Lists	MAC, IP, TCP
	SSL/SSH & HTTPS	HTTPS
	Guest VLAN	✓
	DHCP Snooping/IP Source Guard/ARP Guard	DHCP Snooping Only
	TACACS+	✓
Energy Efficiency	EEE 802.3az	✓
	Auto Port Power Down	✓
	Dynamic Power Consumption	✓
	Max Power Consumption	228.5 Watts
Physical	Desktop/Rack mount	Rack mount
	Metal/Plastic Enclosure	Metal
	MTBF @ 25°C	1,051,375 hrs (120 yrs)
	Fan(s)	2
	Acoustic Noise @ 25°C	32.4 dBA
	Width x Depth x Height	440 x 204 x 43 mm (17.3 x 8.0 x 1.7 in)
	Weight	3.15 kg (6.96 lb)
Electromagnetic Compliance	Class (A or B)	A
Warranty Hardware	Lifetime	Lifetime
Warranty Power Supply	Lifetime	Lifetime
Modules	AGM731F/AGM732F/AGM734	AGM731F/AGM732F/AGM734
ProSupport Maintenance PKGS	On Call 3-year 24 x 7 PMB0311-100005 PMB0331-100005 PMB0351-100005	PMB0311-100005 PMB0331-100005 PMB0351-100005

Smart Switches with Optional Insight Remote/Cloud Management

Smart with Cloud, L2, Gigabit



MODEL	GS724TPP	GS724TPPv3
Port Configuration	10/100 RJ45 Ports (Auto Uplink)	
	10/100/1000 RJ45 Ports (Auto Uplink)	24
	Fiber Ports	2 dedicated SFP
PoE (Power-over-Ethernet)	PoE (15.4W) 802.3af Ports	24
	PoE+ (30W) 802.3at Ports	24
	Ultra60 PoE++ (60W) 802.3bt Ports	
	Total PoE Budget	380W
Scalability	Uninterrupted PoE	
	# MAC Addresses	8,000
	ARP Table - Size of	
	# Routing Entries	
System Management	# ACL Rules	100
	Single IP Management	✓
	Web Managed/GUI	✓
	Insight Cloud Management Option	✓
	Command Line Interface/RS232 Console/Telnet	Smart CLI (Upgrade to the latest firmware)
	SNMP Version	v1, v2c, v3
	RMON Group	1,2,3,9
	DHCP (Client/Server/Relay)	Client
	Port Mirroring	Many-to-One
	IPv6 full set	✓
Optional Unified Network Management	Discovery, setup, monitoring and management via NETGEAR Insight mobile app or Insight Cloud Portal	✓
Optional Discovery, Setup, Monitoring & Management	Remote/Cloud management	✓
	Centralized network configuration (policies) across Insight Managed Switches and Wireless Access Points	✓
	Additional devices auto-join and inherit network configuration (zero-touch provisioning)	✓
	Multi-site, multi-network management in a single pane-of-glass view	✓
Quality of Service	Number of Priority Queues	8
	Traffic Prioritization	802.1p, DSCP, Diffserv, TCP/UDP
	Auto Voice VLAN	✓
Multicast Filtering	IGMP Snooping Version	v1, v2, v3
	IGMP Snooping Querier	✓
Performance	Bandwidth	52 Gbps
	Buffer Memory	0.5 MB Per System
	Jumbo Frames	9,216
Availability	Spanning Tree 802.1d/RSTP .1w/MSTP .1s	802.1d, .1w, .1s
Traffic Management	Number of 802.1q VLAN/Number of VLAN Group	64
	Link Aggregation 802.3ad/LACP	✓
	Discovery Protocol LLDP 802.1ab	✓
	Rate Limiting	✓
	Broadcast Storm Control	✓
L3 Routing	IPv4 Static Routing	
Security	IEEE 802.1x (RADIUS)	✓
	ACL - Access Control Lists	MAC, IP, TCP
	SSL/SSH & HTTPS	HTTPS
	Guest VLAN	✓
	DHCP Snooping/IP Source Guard/ARP Guard	DHCP Snooping Only
	TACACS+	✓
Energy Efficiency	EEE 802.3az	✓
	Auto Port Power Down	✓
	Dynamic Power Consumption	✓
	Max Power Consumption	446.7 Watts
Physical	Desktop/Rack mount	Rack mount
	Metal/Plastic Enclosure	Metal
	MTBF @ 25°C	634,966 hrs (29 yrs)
	Fan(s)	2
	Acoustic Noise @ 25°C	35.0 dBA
	Width x Depth x Height	440 x 204 x 43 mm (17.3 x 8.0 x 1.7 in)
	Weight	3.7 kg (8.18 lb)
Electromagnetic Compliance	Class (A or B)	
Warranty Hardware	Lifetime	Lifetime
Warranty Power Supply	Lifetime	Lifetime
Modules	AGM731F/AGM732F/AGM734	AGM731F/AGM732F/AGM734
ProSupport Maintenance PKGS	On Call 3-year 24 x 7 PMB0311-100005 PMB0331-100005 PMB0351-100005	PMB0311-100005 PMB0331-100005 PMB0351-100005

Smart Switches with Optional Insight Remote/Cloud Management

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



MODEL	GS728TPv2	GS728TPv3
Port Configuration	10/100 RJ45 Ports (Auto Uplink)	24
	10/100/1000 RJ45 Ports (Auto Uplink)	24
	Fiber Ports	4 dedicated SFP
PoE (Power-over-Ethernet)	PoE (15.4W) 802.3af Ports	24
	PoE+ (30W) 802.3at Ports	24
	Total PoE Budget	190W
Scalability	# MAC Addresses	16,000
	ARP Table - Size of	512
	# Routing Entries	32
	# ACL Rules	100
		100 shared (Ingress)
System Management	Single IP Management	✓
	Web Managed/GUI	✓
	Insight Cloud Management Option	✓
	Command Line Interface/RS232 Console/Telnet	Smart CLI (Upgrade to the latest firmware)
	SNMP Version	v1, v2c, v3
	RMON Group	1,2,3,9
	DHCP (Client/Server/Relay)	Client
	Port Mirroring	Many-to-One
	IPv6 full set	✓
	Optional Unified Network Management	Discovery, setup, monitoring and management via NETGEAR Insight mobile app or Insight Cloud Portal
Optional Discovery, Setup, Monitoring & Management	Remote/Cloud management	✓
	Centralized network configuration (policies) across Insight Managed Switches, and Wireless Access Points	✓
	Additional devices auto-join and inherit network configuration (zero-touch provisioning)	✓
	Multi-site, multi-network management in a single pane-of-glass view	✓
Quality of Service	Number of Priority Queues	8
	Traffic Prioritization	802.1p ; Diffserv ; TCP/UDP
	Auto Voice VLAN	✓
Multicast Filtering	IGMP Snooping Version	v1, v2, v3
	IGMP Snooping Querier	✓
Performance	Bandwidth	56 Gbps
	Buffer Memory	1.5 MB Per System
	Jumbo Frames	10,000
Availability	Spanning Tree 802.1d/RSTP .1w/MSTP .1s	802.1d, .1w, .1s
Traffic Management	Number of 802.1q VLAN/Number of VLAN Group	256
	Link Aggregation 802.3ad/LACP	✓
	Discovery Protocol LLDP 802.1ab	✓
	Rate Limiting	✓
	Broadcast Storm Control	✓
L3 Routing	IPv4 Static Routing	✓
Security	IEEE 802.1x (RADIUS)	✓
	ACL - Access Control Lists	MAC, IP, TCP
	SSL/SSH & HTTPS	HTTPS
	Guest VLAN	✓
	DHCP Snooping/IP Source Guard/ARP Guard	✓
	TACACS+	✓
Energy Efficiency	EEE 802.3az	✓
	Auto Port Power Down	✓
	Dynamic Power Consumption	✓
	Max Power Consumption	226 Watts
Physical	Desktop/Rack mount	Rack mount
	Metal/Plastic Enclosure	Metal
	MTBF @ 25°C	1,250,365 hrs (143 yrs)
	Fan(s)	2
	Acoustic Noise @ 25°C	31 dBA
	Width x Depth x Height	440 x 257 x 43 mm (17.3 x 10.1 x 1.7 in)
	Weight	3.78 kg (8.3lb)
		3.78 kg (8.3lb)
Electromagnetic Compliance	Class (A or B)	A
Warranty Hardware	Lifetime	Lifetime
Warranty Power Supply	Lifetime	Lifetime
Modules	AGM731F/AGM732F/AGM734	AGM731F/732F/AGM734
ProSupport Maintenance PKGS	On Call 3-year 24 x 7	PMB0311-10000S PMB0331-10000S PMB0351-10000S

¹ NETGEAR's exclusive FlexPoE option allows for upgrading your PoE budget in the future via NETGEAR optional power adapters.
* This product is currently not available in EMEA region.

Smart Switches with Optional Insight Remote/Cloud Management

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



MODEL	GS728TPv2	GS728TPv3
Port Configuration	10/100 RJ45 Ports (Auto Uplink)	24
	10/100/1000 RJ45 Ports (Auto Uplink)	24
	Fiber Ports	4 dedicated SFP
PoE (Power-over-Ethernet)	PoE (15.4W) 802.3af Ports	24
	PoE+ (30W) 802.3at Ports	24
	Total PoE Budget	380W
Scalability	# MAC Addresses	16,000
	ARP Table - Size of	512
	# Routing Entries	32
	# ACL Rules	100
		100 shared (Ingress)
System Management	Single IP Management	✓
	Web Managed/GUI	✓
	Insight Cloud Management Option	✓
	Command Line Interface/RS232 Console/Telnet	Smart CLI (Upgrade to the latest firmware)
	SNMP Version	v1, v2c, v3
	RMON Group	1,2,3,9
	DHCP (Client/Server/Relay)	Client
	Port Mirroring	Many-to-One
	IPv6 full set	✓
	Optional Unified Network Management	Discovery, setup, monitoring and management via NETGEAR Insight mobile app or Insight Cloud Portal
Optional Discovery, Setup, Monitoring & Management	Remote/Cloud management	✓
	Centralized network configuration (policies) across Insight Managed Switches, and Wireless Access Points	✓
	Additional devices auto-join and inherit network configuration (zero-touch provisioning)	✓
	Multi-site, multi-network management in a single pane-of-glass view	✓
Quality of Service	Number of Priority Queues	8
	Traffic Prioritization	802.1p ; Diffserv ; TCP/UDP
	Auto Voice VLAN	✓
Multicast Filtering	IGMP Snooping Version	v1, v2, v3
	IGMP Snooping Querier	✓
Performance	Bandwidth	56 Gbps
	Buffer Memory	1.5 MB Per System
	Jumbo Frames	10,000
Availability	Spanning Tree 802.1d/RSTP .1w/MSTP .1s	802.1d, .1w, .1s
Traffic Management	Number of 802.1q VLAN/Number of VLAN Group	256
	Link Aggregation 802.3ad/LACP	✓
	Discovery Protocol LLDP 802.1ab	✓
	Rate Limiting	✓
	Broadcast Storm Control	✓
L3 Routing	IPv4 Static Routing	✓
Security	IEEE 802.1x (RADIUS)	✓
	ACL - Access Control Lists	MAC, IP, TCP
	SSL/SSH & 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	439 Watts
Physical	Desktop/Rack mount	Rack mount
	Metal/Plastic Enclosure	Metal
	MTBF @ 25°C	1,071,896 hrs (122 yrs)
	Fan(s)	2
	Acoustic Noise @ 25°C	35 dBA
	Width x Depth x Height	440 x 257 x 43 mm (17.3 x 10.1 x 1.7 in)
	Weight	4.11 kg (9.10 lb)
		4.11 kg (9.10 lb)
Electromagnetic Compliance	Class (A or B)	A
Warranty Hardware	Lifetime	Lifetime
Warranty Power Supply	Lifetime	Lifetime
Modules	AGM731F/AGM732F/AGM734	AGM731F/732F/AGM734
ProSupport Maintenance PKGS	On Call 3-year 24 x 7	PMB0311-10000S PMB0331-10000S PMB0351-10000S

¹ NETGEAR's exclusive FlexPoE option allows for upgrading your PoE budget in the future via NETGEAR optional power adapters.
* This product is currently not available in EMEA region.

Smart Switches with Optional Insight Remote/Cloud Management

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



MODEL	GS752TPv2	GS752TPv3
Port Configuration	10/100 RJ45 Ports (Auto Uplink)	
	10/100/1000 RJ45 Ports (Auto Uplink)	48
	Fiber Ports	4 dedicated SFP
PoE (Power-over-Ethernet)	PoE (15.4W) 802.3af Ports	48
	PoE+ (30W) 802.3at Ports	48
	Total PoE Budget	380W
Scalability	# MAC Addresses	16,000
	ARP Table - Size of	512
	# Routing Entries	32
	# ACL Rules	100
System Management	Single IP Management	✓
	Web Managed/GUI	✓
	Insight Cloud Management Option	✓
	Command Line Interface/RS232 Console/Telnet	Smart CLI (Upgrade to the latest firmware)
	SNMP Version	v1, v2c, v3
	RMON Group	1,2,3,9
	DHCP (Client/Server/Relay)	Client
	Port Mirroring	Many-to-One
	IPv6 full set	✓
	Optional Unified Network Management	Discovery, setup, monitoring and management via NETGEAR Insight mobile app or Insight Cloud Portal
Optional Discovery, Setup, Monitoring & Management	Remote/Cloud management	✓
	Centralized network configuration (policies) across Insight Managed Switches and Wireless Access Points	✓
	Additional devices auto-join and inherit network configuration (zero-touch provisioning)	✓
	Multi-site, multi-network management in a single pane-of-glass view	✓
Quality of Service	Number of Priority Queues	8
	Traffic Prioritization	802.1p; Diffserv; TCP/UDP
	Auto Voice VLAN	✓
Multicast Filtering	IGMP Snooping Version	v1, v2, v3
	IGMP Snooping Querier	✓
Performance	Bandwidth	104 Gbps
	Buffer Memory	1.5 MB Per System
	Jumbo Frames	10,000
Availability	Spanning Tree 802.1d/RSTP .1w/MSTP .1s	802.1d, .1w, .1s
Traffic Management	Number of 802.1q VLAN/Number of VLAN Group	256
	Link Aggregation 802.3ad/LACP	✓
	Discovery Protocol LLDP 802.1ab	✓
	Rate Limiting	✓
	Broadcast Storm Control	✓
	L3 Routing	IPv4 Static Routing
Security	IEEE 802.1x (RADIUS)	✓
	ACL - Access Control Lists	MAC, IP, TCP
	SSL/SSH & HTTPS	HTTPS
	Guest VLAN	✓
	DHCP Snooping/IP Source Guard/ARP Guard	✓
	TACACS+	✓
Energy Efficiency	EEE 802.3az	✓
	Auto Port Power Down	✓
	Dynamic Power Consumption	✓
	Max Power Consumption	446 Watts
Physical	Desktop/Rack mount	Rack mount
	Metal/Plastic Enclosure	Metal
	MTBF @ 25°C	1,737,411 hrs (198 yrs)
	Fan(s)	2
	Acoustic Noise @ 25°C	38 dBA
	Width x Depth x Height	440 x 310 x 43 mm (17.3 x 12.2 x 1.7 in)
	Weight	4.93 kg (10.90 lb)
Electromagnetic Compliance	Class (A or B)	A
Warranty Hardware	Lifetime	Lifetime
Warranty Power Supply	Lifetime	Lifetime
Modules	AGM731F/AGM732F/AGM734	AGM731F/732F/AGM734
ProSupport Maintenance PKGS	On Call 3-year 24 x 7	PMB0312-10000S PMB0332-10000S PMB0352-10000S

Smart Switches with Optional Insight Remote/Cloud Management

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



MODEL	GS752TPP	GS752TPPv3
Port Configuration	10/100 RJ45 Ports (Auto Uplink)	
	10/100/1000 RJ45 Ports (Auto Uplink)	48
	Fiber Ports	4 dedicated SFP
PoE (Power-over-Ethernet)	PoE (15.4W) 802.3af Ports	48
	PoE+ (30W) 802.3at Ports	48
	Total PoE Budget	760W
Scalability	# MAC Addresses	16,000
	ARP Table - Size of	512
	# Routing Entries	32
	# ACL Rules	100
System Management	Single IP Management	✓
	Web Managed/GUI	✓
	Insight Cloud Management Option	✓
	Command Line Interface/RS232 Console/Telnet	Smart CLI (Upgrade to the latest firmware)
	SNMP Version	v1, v2c, v3
	RMON Group	1,2,3,9
	DHCP (Client/Server/Relay)	Client
	Port Mirroring	Many-to-One
	IPv6 full set	✓
	Optional Unified Network Management	Discovery, setup, monitoring and management via NETGEAR Insight mobile app or Insight Cloud Portal
Optional Discovery, Setup, Monitoring & Management	Remote/Cloud management	✓
	Centralized network configuration (policies) across Insight Managed Switches and Wireless Access Points	✓
	Additional devices auto-join and inherit network configuration (zero-touch provisioning)	✓
	Multi-site, multi-network management in a single pane-of-glass view	✓
Quality of Service	Number of Priority Queues	8
	Traffic Prioritization	802.1p; Diffserv; TCP/UDP
	Auto Voice VLAN	✓
Multicast Filtering	IGMP Snooping Version	v1, v2, v3
	IGMP Snooping Querier	✓
Performance	Bandwidth	104 Gbps
	Buffer Memory	1.5 MB Per System
	Jumbo Frames	10,000
Availability	Spanning Tree 802.1d/RSTP .1w/MSTP .1s	802.1d, .1w, .1s
Traffic Management	Number of 802.1q VLAN/Number of VLAN Group	256
	Link Aggregation 802.3ad/LACP	✓
	Discovery Protocol LLDP 802.1ab	✓
	Rate Limiting	✓
	Broadcast Storm Control	✓
	L3 Routing	IPv4 Static Routing
Security	IEEE 802.1x (RADIUS)	✓
	ACL - Access Control Lists	MAC, IP, TCP
	SSL/SSH & 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	861 Watts
Physical	Desktop/Rack mount	Rack mount
	Metal/Plastic Enclosure	Metal
	MTBF @ 25°C	1,107,549 hrs (126 yrs)
	Fan(s)	2
	Acoustic Noise @ 25°C	43 dBA
	Width x Depth x Height	440 x 310 x 43 mm (17.3 x 12.2 x 1.7 in)
	Weight	5.03 kg (11.10lb)
Electromagnetic Compliance	Class (A or B)	A
Warranty Hardware	Lifetime	Lifetime
Warranty Power Supply	Lifetime	Lifetime
Modules	AGM731F/AGM732F/AGM734	AGM731F/732F/AGM734
ProSupport Maintenance PKGS	On Call 3-year 24 x 7	PMB0312-10000S PMB0332-10000S PMB0352-10000S

Smart Switches with Optional Insight Remote/Cloud Management

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



MODEL	MS108TUP	MSS10TXM
Port Configuration	10/100 RJ45 Ports (Auto Uplink)	
	10/100/1000 RJ45 Ports (Auto Uplink)	8x1G/2.5G
	Fiber Ports	4x1G/2.5G, 4x 1G/2.5G/5G/10G 2 dedicated 10G SFP+
PoE (Power-over-Ethernet)	PoE (15.4W) 802.3af Ports	8
	PoE+ (30W) 802.3at Ports	8
	Ultra60 PoE++ (60W) 802.3bt Ports	4
	Total PoE Budget	230W
	PoE Self-healing (Auto-PoE recovery)	✓
Scalability	# MAC Addresses	16,000
	ARP Table - Size of	1,024
	# Routing Entries	32
	# ACL Rules	100 shared (ingress)
System Management	Single IP Management	✓
	Web Managed/GUI	✓
	Insight Cloud Management Option	✓
	Command Line Interface/RS232 Console/Telnet	Smart CLI
	SNMP Version	v1, v2c, v3
	RMON Group	1,2,3,9
	DHCP (Client/Server/Relay)	Client/Server/Relay
	Port Mirroring	Many-to-One
	IPv6 full set	✓
	Optional Unified Network Management	Discovery, setup, monitoring and management via NETGEAR Insight mobile app or Insight Cloud Portal
Optional Discovery, Setup, Monitoring & Management	Remote/Cloud management	✓
	Centralized network configuration (policies) across Insight Managed Switches and Wireless Access Points	✓
	Additional devices auto-join and inherit network configuration (zero-touch provisioning)	✓
	Multi-site, multi-network management in a single pane-of-glass view	✓
Quality of Service	Number of Priority Queues	8
	Traffic Prioritization	802.1p; Diffserv; TCP/UDP
	Auto Voice VLAN	✓
Multicast Filtering	IGMP Snooping Version	v1, v2, v3
	IGMP Snooping Querier	✓
Performance	Bandwidth	140 Gbps
	Buffer Memory	2 MB Per System
	Jumbo Frames	10,000
Availability	Spanning Tree 802.1d/RSTP .1w/MSTP .1s	802.1d, .1w, .1s
Traffic Management	Number of 802.1q VLAN/Number of VLAN Group	256
	Link Aggregation 802.3ad/LACP	✓
	Discovery Protocol LLDP 802.1ab	✓
	Rate Limiting	✓
	Broadcast Storm Control	✓
L3 Routing	IPv4 Static Routing	✓
Security	IEEE 802.1x (RADIUS)	✓
	ACL - Access Control Lists	MAC, IP, TCP
	SSL/SSH & HTTPS	HTTPS
	Guest VLAN	✓
	DHCP Snooping/IP Source Guard/ARP Guard	✓
	TACACS+	✓
Energy Efficiency	EEE 802.3az	✓
	Auto Port Power Down	✓
	Dynamic Power Consumption	✓
Physical	Max Power Consumption	16.58W(no PoE)/270.5W(with PoE MAX)
	Desktop/Rack mount	Desktop/Wallmount
	Metal/Plastic Enclosure	Metal
	MTBF @ 25°C	373,643.7 hrs (42.65 yrs)
	Fan(s)	None
	Acoustic Noise @ 25°C	0 dBA
	Width x Depth x Height	210 x 140 x 40 mm (8.27 x 5.51 x 1.58 in)
	Weight	0.9 kg (1.984 lb)
Electromagnetic Compliance	Class (A or B)	B
Warranty Hardware	Lifetime	Lifetime
Warranty Power Supply	2-year	Lifetime
Modules		AGM731F/AGM732F/AGM734/; AXM761/AXM762/AXM764/AXC761/AXC763
ProSupport Maintenance PKGS	On Call 3-year 24 x 7	PMB0312-10000S PMB0332-10000S PMB0352-10000S

Smart Switches with Optional Insight Remote/Cloud Management

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



MODEL	MSS10TXUP	MS324TXUP
Port Configuration	10/100 RJ45 Ports (Auto Uplink)	
	10/100/1000 RJ45 Ports (Auto Uplink)	4x1G/2.5G, 4x 1G/2.5G/5G/10G
	Fiber Ports	2 dedicated 10G SFP+
PoE (Power-over-Ethernet)	PoE (15.4W) 802.3af Ports	9
	PoE+ (30W) 802.3at Ports	8
	Ultra60 PoE++ (60W) 802.3bt Ports	8
	Total PoE Budget	275W
	Uninterrupted PoE (not affected by soft rest)	✓
Scalability	# MAC Addresses	32,000
	ARP Table - Size of	512
	# Routing Entries	32
	# ACL Rules	100
System Management	Single IP Management	✓
	Web Managed/GUI	✓
	Insight Cloud Management Option	✓
	Command Line Interface/RS232 Console/Telnet	Smart CLI (Upgrade to the latest firmware)
	SNMP Version	v1, v2c, v3
	RMON Group	1,2,3,9
	DHCP (Client/Server/Relay)	Client
	Port Mirroring	Many-to-One
	IPv6 full set	✓
	Optional Unified Network Management	Discovery, setup, monitoring and management via NETGEAR Insight mobile app or Insight Cloud Portal
Optional Discovery, Setup, Monitoring & Management	Remote/Cloud management	✓
	Centralized network configuration (policies) across Insight Managed Switches and Wireless Access Points	✓
	Additional devices auto-join and inherit network configuration (zero-touch provisioning)	✓
	Multi-site, multi-network management in a single pane-of-glass view	✓
Quality of Service	Number of Priority Queues	8
	Traffic Prioritization	802.1p; Diffserv; TCP/UDP
	Auto Voice VLAN	✓
Multicast Filtering	IGMP Snooping Version	v1, v2, v3
	IGMP Snooping Querier	✓
Performance	Bandwidth	140 Gbps
	Buffer Memory	2 MB Per System
	Jumbo Frames	10,000
Availability	Spanning Tree 802.1d/RSTP .1w/MSTP .1s	802.1d, .1w, .1s
Traffic Management	Number of 802.1q VLAN/Number of VLAN Group	256
	Link Aggregation 802.3ad/LACP	✓
	Discovery Protocol LLDP 802.1ab	✓
	Rate Limiting	✓
	Broadcast Storm Control	✓
L3 Routing	IPv4 Static Routing	✓
Security	IEEE 802.1x (RADIUS)	✓
	ACL - Access Control Lists	MAC, IP, TCP
	SSL/SSH & HTTPS	HTTPS
	Guest VLAN	✓
	DHCP Snooping/IP Source Guard/ARP Guard	✓
	TACACS+	✓
Energy Efficiency	EEE 802.3az	✓
	Auto Port Power Down	✓
	Dynamic Power Consumption	✓
Physical	Max Power Consumption	380 Watts
	Desktop/Rack mount	Rack mount
	Metal/Plastic Enclosure	Metal
	MTBF @ 25°C	848,553 hrs (97 yrs)
	Fan(s)	3
	Acoustic Noise @ 25°C	33 dBA
	Width x Depth x Height	330 x 206 x 43mm (13.0 x 8.12 x 1.7 in)
	Weight	2.51 kg (5.54lb)
Electromagnetic Compliance	Class (A or B)	A
Warranty Hardware	Lifetime	5 year
Warranty Power Supply	Lifetime	5 year
Modules	AGM731F/AGM732F/AGM734/; AXM761/AXM762/AXM764/AXC761/AXC763	AGM732F/AGM734/AXM761/AXM762/AXM764/AXM765/AXC761/AXC763
ProSupport Maintenance PKGS	On Call 3-year 24 x 7	PMB0311-10000S PMB0331-10000S PMB0351-10000S

Fully Managed Switches

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



MODEL	M4250-9G1F-POE+ GSM4210PD	M4250-8G2XF-POE GSM4210PX	M4250-10G2F-POE+ (GSM4212P)	M4250-10G2XF-POE+ (GSM4212PX)	
Port Configuration	10/100 RJ45 Ports (Auto Uplink)	10/100/1000 RJ45 Ports (Auto Uplink)	10/100/1000 RJ45 Ports (Auto Uplink)	10/100/1000 RJ45 Ports (Auto Uplink)	
	Fiber Ports	1 SFP	2 SFP+ (10G)	2 SFP+ (10G)	
	PoE (Power-over-Ethernet)	PoE (15.4W) 802.3af Ports PoE+ (30W) 802.3at Ports Total PoE Budget	8 8 110W	8 8 220W	8 8 125W
Scalability	# MAC Addresses	16,000	16,000	16,000	
	ARP Table - Size of	4,096	4,096	4,096	
	# Routing Entries	894	894	894	
System Management	# ACL Rules	16,384 (ingress, egress)	16,384 (ingress, egress)	16,384 (ingress, egress)	
	Web Managed/GUI	IT GUI, AV GUI	IT GUI, AV GUI	IT GUI, AV GUI	
	Command Line Interface/RS232 Console/Telnet	✓	✓	✓	
	SNMP Version	v1, v2c, v3	v1, v2c, v3	v1, v2c, v3	
	RMON Group	1, 2, 3, 9	1, 2, 3, 9	1, 2, 3, 9	
	DHCP (Client/Server/Relay)	Client/Server/L3 Relay	Client/Server/L3 Relay	Client/Server/L3 Relay	
	Port Mirroring	Many-to-One; RSPAN	Many-to-One; RSPAN	Many-to-One; RSPAN	
	IPv6 full set	✓	✓	✓	
	Quality of Service	Number of Priority Queues	8	8	8
		Traffic Prioritization	802.1p; Diffserv; TCP/UDP	802.1p; Diffserv; TCP/UDP	802.1p; Diffserv; TCP/UDP
Auto Voice VLAN		✓	✓	✓	
Multicast Filtering	IGMP Snooping Version	v1, v2, v3	v1, v2, v3	v1, v2, v3	
	IGMP Snooping Querier	✓	✓	✓	
Performance	Bandwidth	24 Gbps	24 Gbps	60 Gbps	
	Buffer Memory	16Mb	16Mb	16 Mb	
	Jumbo Frames	12,270	12,270	12,270	
Availability	Spanning Tree 802.1d/RSTP .1w/MSTP .1s	802.1d, .1w, .1s; PV(R)STP	802.1d, .1w, .1s; PV(R)STP	802.1d, .1w, .1s; PV(R)STP	
	RPS Redundant Power Supply	✓	✓	✓	
Traffic Management	Number of 802.1q VLAN/Number of VLAN Group	4,093 / 4,093	4,093 / 4,093	4,093 / 4,093	
	Link Aggregation 802.3ad/LACP	✓	✓	✓	
	Discovery Protocol LLDP 802.1ab	✓	✓	✓	
	Rate Limiting	✓	✓	✓	
	Broadcast Storm Control	✓	✓	✓	
L3 Routing	IPv4 Static Routing	✓	✓	✓	
	IPv4 RIPv1/2, OSPFv1/2, VRRP, EMCP	RIP v1, v2	RIP v1, v2	RIP v1, v2	
	IPv6 Static Routing, IPv6 OSPFv3	Static Routing	Static Routing	Static Routing	
	IPv4 / IPv6 Multicast Routing PIM-SM/DM	✓	✓	✓	
Security	IEEE 802.1x (RADIUS)	✓	✓	✓	
	ACL - Access Control Lists	MAC, IP, TCP	MAC, IP, TCP	MAC, IP, TCP	
	SSL/SSH & HTTPS	SSL/SSH & HTTPS	SSL/SSH & HTTPS	SSL/SSH & HTTPS	
	Guest VLAN	✓	✓	✓	
	DHCP Snooping/IP Source Guard/ARP Guard	✓	✓	✓	
	TACACS+	✓	✓	✓	
Energy Efficiency	IEEE 802.3az	✓	✓	✓	
	Auto Port Power Down	✓	✓	✓	
	Dynamic Power Consumption	✓	✓	✓	
	Power Consumption	132.3W	132.3W	163.9W	
Physical	Desktop/Rack mount	Desktop	Desktop	R (reversible)	
	Metal/Plastic Enclosure	M	M	M	
	MTBF @ 25°C	1,020,808 hours	1,484,652 hours	778,769 hours	576,889 hours
	Fan(s)	Fanless	Side to side	Side to side	Side to side
	Acoustic Noise @ 25°C	Fanless	Fanless, Quiet mode (19.3dBA) or Cool mode (35.3dBA)	Fanless, Quiet mode (27.38dBA) or Cool mode (55dBA)	Fanless, Quiet mode (27.38dBA) or Cool mode (55dBA)
	Width x Depth x Height	210 x 140 x 40 (8.27 x 5.51 x 1.57 in)	210 x 140 x 40 (8.27 x 5.51 x 1.57 in)	440 x 200 x 43.2 (17.32 x 7.87 x 1.70 in)	440 x 200 x 43.2 (17.32 x 7.87 x 1.70 in)
	Weight	0.965 kg (2.12 lb)	0.967 kg (2.13 lb)	2.850 kg (6.28 lb)	2.900 kg (6.39 lb)
Electromagnetic Compliance	Class (A or B)	A	A	A	
Warranty Hardware	Lifetime	Lifetime	Lifetime	Lifetime	
Warranty Power Supply	Lifetime	Lifetime	Lifetime	Lifetime	
Modules	AGM731/AGM732/AGM734	AGM731/AGM732/AGM734/AXM764/AXM765v2/AXC761/AXC765/AXC7610/AXC7620	AGM731F/AGM732F/AGM734	AGM731F/AGM732F/AXC761/3/5/7/10/15/20/AXM761/AXM762/AXM763/AXM764/AXM765	
ProSupport Maintenance PKGS	OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year	PMB0312-100005 PMB0332-100005 PMB0352-100005	PMB0312-100005 PMB0332-100005 PMB0352-100005	PMB0312-100005 PMB0332-100005 PMB0352-100005	

Fully Managed Switches

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



MODEL	M4250-10G2XF-POE+ (GSM4212UX)	M4250-12M2XF (MSM4214X)	M4250-16XF (XSM4216F)		
Port Configuration	10/100 RJ45 Ports (Auto Uplink)	10/100/1000 RJ45 Ports (Auto Uplink)	10/100/1000 RJ45 Ports (Auto Uplink)		
	Fiber Ports	2 SFP+ (10G)	2 SFP+ (10G)	16 SFP+ (10G)	
	PoE (Power-over-Ethernet)	PoE (15W) 802.3af Ports Ultra90 PoE++ (90W) 802.3bt Ports Total PoE Budget	4 4 720W	4 4 720W	
Scalability	# MAC Addresses	16,000	16,000	16,000	
	ARP Table - Size of	4,096	4,096	4,096	
	# Routing Entries	894	894	894	
System Management	# ACL Rules	16,384 (ingress, egress)	16,384 (ingress, egress)	16,384 (ingress, egress)	
	Web Managed/GUI	IT GUI, AV GUI	IT GUI, AV GUI	IT GUI, AV GUI	
	Command Line Interface/RS232 Console/Telnet	✓	✓	✓	
	SNMP Version	v1, v2c, v3	v1, v2c, v3	v1, v2c, v3	
	RMON Group	1, 2, 3, 9	1, 2, 3, 9	1, 2, 3, 9	
	DHCP (Client/Server/Relay)	Client/Server/L3 Relay	Client/Server/L3 Relay	Client/Server/L3 Relay	
	Port Mirroring	Many-to-One; RSPAN	Many-to-One; RSPAN	Many-to-One; RSPAN	
	IPv6 full set	✓	✓	✓	
	Quality of Service	Number of Priority Queues	8	8	8
		Traffic Prioritization	802.1p; Diffserv; TCP/UDP	802.1p; Diffserv; TCP/UDP	802.1p; Diffserv; TCP/UDP
Auto Voice VLAN		✓	✓	✓	
Multicast Filtering	IGMP Snooping Version	v1, v2, v3	v1, v2, v3	v1, v2, v3	
	IGMP Snooping Querier	✓	✓	✓	
Performance	Bandwidth	60 Gbps	100 Gbps	320 Gbps	
	Buffer Memory	16Mb	16Mb	16Mb	
	Jumbo Frames	12,270	12,270	12,270	
Availability	Spanning Tree 802.1d/RSTP .1w/MSTP .1s	802.1d, .1w, .1s; PV(R)STP	802.1d, .1w, .1s; PV(R)STP	802.1d, .1w, .1s; PV(R)STP	
	RPS Redundant Power Supply	✓	✓	✓	
Traffic Management	Number of 802.1q VLAN/Number of VLAN Group	4,093 / 4,093	4,093 / 4,093	4,093 / 4,093	
	Link Aggregation 802.3ad/LACP	✓	✓	✓	
	Discovery Protocol LLDP 802.1ab	✓	✓	✓	
	Rate Limiting	✓	✓	✓	
	Broadcast Storm Control	✓	✓	✓	
L3 Routing	IPv4 Static Routing	✓	✓	✓	
	IPv4 RIPv1/2, OSPFv1/2, VRRP, EMCP	RIPv1/v2	RIPv1/v2	RIPv1/v2	
	IPv6 Static Routing, IPv6 OSPFv3	Static Routing	Static Routing	Static Routing	
	IPv4 / IPv6 Multicast Routing PIM-SM/DM	✓	✓	✓	
Security	IEEE 802.1x (RADIUS)	✓	✓	✓	
	ACL - Access Control Lists	MAC, IP, TCP	MAC, IP, TCP	MAC, IP, TCP	
	SSL/SSH & HTTPS	SSL/SSH & HTTPS	SSL/SSH & HTTPS	SSL/SSH & HTTPS	
	Guest VLAN	✓	✓	✓	
	DHCP Snooping/IP Source Guard/ARP Guard	✓	✓	✓	
	TACACS+	✓	✓	✓	
Energy Efficiency	IEEE 802.3az	✓	✓	✓	
	Auto Port Power Down	✓	✓	✓	
	Dynamic Power Consumption	✓	✓	✓	
	Power Consumption	837.7W	37.9W	47.84W	
Physical	Desktop/Rack mount	R (reversible)	R (reversible)	R (reversible)	
	Metal/Plastic Enclosure	M	M	M	
	MTBF @ 25°C	947,871 hours	720,892 hours	844,633 hours	
	Fan(s)	Side to side	Side to side	Side to side	
	Acoustic Noise @ 25°C	Fanless, Quiet mode (25.5dBA) or Cool mode (55dBA)	Fanless, Quiet mode (28.5dBA) or Cool mode (55dBA)	Fanless, Quiet mode (27.44dBA) or Cool mode (57dBA)	
	Width x Depth x Height	440 x 257 x 43.2 (17.32 x 10.12 x 1.70 in)	440 x 100 x 43.2 (17.32 x 3.94 x 1.70 in)	440 x 200 x 43.2 (17.32 x 7.87 x 1.70 in)	
	Weight	3.830 kg (8.44 lb)	1.745 kg (3.85 lb)	2.800 kg (6.17 lb)	
Electromagnetic Compliance	Class (A or B)	A	A		
Warranty Hardware	Lifetime	Lifetime	Lifetime		
Warranty Power Supply	Lifetime	Lifetime	Lifetime		
Modules	AGM731F/AGM732F/AXC761/3/5/7/10/15/20/AXM761/AXM762/AXM763/AXM764/AXM765	AGM731F/AGM732F/AXC761/3/5/7/10/15/20/AXM761/AXM762/AXM763/AXM764/AXM765	AGM731F/AGM732F/AXC761/3/5/7/10/15/20/AXM761/AXM762/AXM763/AXM764/AXM765		
ProSupport Maintenance PKGS	OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year	PMB0312-100005 PMB0332-100005 PMB0352-100005	PMB0312-100005 PMB0332-100005 PMB0352-100005		

Fully Managed Switches

Fully Managed, AV Line M4250 series



MODEL	M4250-26G4F-POE+ (GSM4230P)	M4250-26G4XF-POE+ (GSM4230PX)	M4250-26G4F-POE++ (GSM4230UP)
Port Configuration	10/100 RJ45 Ports (Auto Uplink)	26	26
	10/100/1000 RJ45 Ports (Auto Uplink)	26	26
	Fiber Ports	4 SFP	4 SFP+ (10G)
PoE (Power-over-Ethernet)	PoE (15.4W) 802.3af Ports	24	24
	PoE+ (30W) 802.3at Ports	24	24
	PoE++ (90W) 802.3bt Ports		24
	Total PoE Budget	300W	480W
Scalability	# MAC Addresses	16,000	16,000
	ARP Table - Size of	4,096	4,096
	# Routing Entries	894	894
	# ACL Rules	16,384 (ingress, egress)	16,384 (ingress, egress)
System Management	Web Managed/GUI	IT GUI, AV GUI	IT GUI, AV GUI
	Command Line Interface/RS232 Console/Telnet	✓	✓
	SNMP Version	v1, v2c, v3	v1, v2c, v3
	RMON Group	1, 2, 3, 9	1, 2, 3, 9
	DHCP (Client/Server/Relay)	Client/Server/L3 Relay	Client/Server/L3 Relay
	Port Mirroring	Many-to-One; RSPAN	Many-to-One; RSPAN
	IPv6 full set	✓	✓
	Quality of Service	Number of Priority Queues	8
Multicast Filtering	Traffic Prioritization	802.1p; Diffserv; TCP/UDP	802.1p; Diffserv; TCP/UDP
	Auto Voice VLAN	✓	✓
Performance	Bandwidth	60 Gbps	60 Gbps
	Buffer Memory	16Mb	16Mb
Availability	Jumbo Frames	12,270	12,270
	Spanning Tree 802.1d/RSTP .1w/MSTP .1s	802.1d, .1w, .1s; PV(R)STP	802.1d, .1w, .1s; PV(R)STP
Traffic Management	RPS Redundant Power Supply	✓	✓
	Number of 802.1q VLAN/Number of VLAN Group	4,093 / 4,093	4,093 / 4,093
	Link Aggregation 802.3ad/LACP	✓	✓
	Discovery Protocol LLDP 802.1ab	✓	✓
	Rate Limiting	✓	✓
L3 Routing	Broadcast Storm Control	✓	✓
	IPv4 Static Routing	✓	✓
	IPv4 RIPv1/2, OSPFv1/2, VRRP, EMCP	RIPv1/v2	RIPv1/v2
Security	IPv6 Static Routing, IPv6 OSPFv3	Static Routing	Static Routing
	IPv4 / IPv6 Multicast Routing PIM-SM/DM	✓	✓
	IEEE 802.1x (RADIUS)	✓	✓
	ACL - Access Control Lists	MAC, IP, TCP	MAC, IP, TCP
	SSL/SSH & HTTPS	SSL/SSH & HTTPS	SSL/SSH & HTTPS
	Guest VLAN	✓	✓
Energy Efficiency	DHCP Snooping/IP Source Guard/ARP Guard	✓	✓
	TACACS+	✓	✓
	IEEE 802.3az	✓	✓
	Auto Port Power Down	✓	✓
Physical	Dynamic Power Consumption	✓	✓
	Power Consumption	401W	614W
	Desktop/Rack mount	R (reversible)	R (reversible)
	Metal/Plastic Enclosure	M	M
	MTBF @ 25°C	511,054 hours	491,282 hours
	Fan(s)	Side to side	Side to side
	Acoustic Noise @ 25°C	Fanless, Quiet mode (200W PoE, 28dBA; 300W PoE, 34dBA) or Cool Mode (57dBA)	Fanless, Quiet mode (350W PoE, 25dBA; 480W PoE, 42dBA) or Cool Mode (67dBA)
Electromagnetic Compliance	Width x Depth x Height	440 x 257 x 43.2 mm (17.32 x 10.12 x 1.70 in)	440 x 400 x 43.2 mm (17.32 x 15.75 x 1.70 in)
	Weight	4.300 kg (9.47 lb)	5.453 kg (12.02 lb)
	Class (A or B)	A	A
Warranty Hardware	Lifetime	Lifetime	Lifetime
Warranty Power Supply	Lifetime	Lifetime	Lifetime
Modules	AGM731F/AGM732F/AGM734	AGM731F/AGM732F; AXC761/3/5/7/10/15/20 AXM761/AXM762/AXM763/AXM764/AXM765	AGM731F/AGM732F/AGM734
ProSupport Maintenance PKGS	OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year	PMB0312-10000S PMB0332-10000S PMB0352-10000S	PMB0313-10000S PMB0333-10000S PMB0353-10000S

Fully Managed Switches

Fully Managed, AV Line M4250 series



MODEL	M4250-40G8F-POE+ (GSM4248P)	M4250-40G8XF-POE+ (GSM4248PX)	M4250-40G8XF-POE++ (GSM4248UX)
Port Configuration	10/100 RJ45 Ports (Auto Uplink)	40	40
	10/100/1000 RJ45 Ports (Auto Uplink)	40	40
	Fiber Ports	8 SFP	8 SFP+ (10G)
PoE (Power-over-Ethernet)	PoE (15.4W) 802.3af Ports	40	40
	PoE+ (30W) 802.3at Ports	40	40
	PoE++ (90W) 802.3bt Ports		40
	Total PoE Budget	480W	960W
Scalability	# MAC Addresses	16,000	16,000
	ARP Table - Size of	4,096	4,096
	# Routing Entries	894	894
	# ACL Rules	16,384 (ingress, egress)	16,384 (ingress, egress)
System Management	Web Managed/GUI	IT GUI, AV GUI	IT GUI, AV GUI
	Command Line Interface/RS232 Console/Telnet	✓	✓
	SNMP Version	v1, v2c, v3	v1, v2c, v3
	RMON Group	1, 2, 3, 9	1, 2, 3, 9
	DHCP (Client/Server/Relay)	Client/Server/L3 Relay	Client/Server/L3 Relay
	Port Mirroring	Many-to-One; RSPAN	Many-to-One; RSPAN
	IPv6 full set	✓	✓
	Quality of Service	Number of Priority Queues	8
Multicast Filtering	Traffic Prioritization	802.1p; Diffserv; TCP/UDP	802.1p; Diffserv; TCP/UDP
	Auto Voice VLAN	✓	✓
Performance	Bandwidth	96 Gbps	240 Gbps
	Buffer Memory	32Mb	32Mb
Availability	Jumbo Frames	12,270	12,270
	Spanning Tree 802.1d/RSTP .1w/MSTP .1s	802.1d, .1w, .1s; PV(R)STP	802.1d, .1w, .1s; PV(R)STP
Traffic Management	RPS Redundant Power Supply	✓	✓
	Number of 802.1q VLAN/Number of VLAN Group	4,093 / 4,093	4,093 / 4,093
	Link Aggregation 802.3ad/LACP	✓	✓
	Discovery Protocol LLDP 802.1ab	✓	✓
	Rate Limiting	✓	✓
L3 Routing	Broadcast Storm Control	✓	✓
	IPv4 Static Routing	✓	✓
	IPv4 RIPv1/2, OSPFv1/2, VRRP, EMCP	RIPv1/v2	RIPv1/v2
Security	IPv6 Static Routing, IPv6 OSPFv3	Static Routing	Static Routing
	IPv4 / IPv6 Multicast Routing PIM-SM/DM	✓	✓
	IEEE 802.1x (RADIUS)	✓	✓
	ACL - Access Control Lists	MAC, IP, TCP	MAC, IP, TCP
	SSL/SSH & HTTPS	SSL/SSH & HTTPS	SSL/SSH & HTTPS
	Guest VLAN	✓	✓
Energy Efficiency	DHCP Snooping/IP Source Guard/ARP Guard	✓	✓
	TACACS+	✓	✓
	IEEE 802.3az	✓	✓
	Auto Port Power Down	✓	✓
Physical	Dynamic Power Consumption	✓	✓
	Power Consumption	624.8W	1197W
	Desktop/Rack mount	R (reversible)	R (reversible)
	Metal/Plastic Enclosure	M	M
	MTBF @ 25°C	341,680 hours	487,900 hours
	Fan(s)	Side to side	Side to side
	Acoustic Noise @ 25°C	Fanless, Quiet mode (150W PoE, 30dBA; 340W PoE, 40dBA; 480W PoE, 47dBA) or Cool Mode (68dBA)	Quiet mode (400W PoE, 29dBA; 640W PoE, 48dBA; 960W PoE, 59dBA) or Cool Mode (69dBA)
Electromagnetic Compliance	Width x Depth x Height	440 x 400 x 43.2 mm (17.32 x 15.75 x 1.70 in)	440 x 350 x 86.4 mm (17.32 x 13.78 x 3.40 in)
	Weight	5.852 kg (12.90 lb)	6.312 kg (13.91 lb)
	Class (A or B)	A	A
Warranty Hardware	Lifetime	Lifetime	Lifetime
Warranty Power Supply	Lifetime	Lifetime	Lifetime
Modules	AGM731F/AGM732F/AGM734	AGM731F/AGM732F; AXC761/3/5/7/10/15/20 AXM761/AXM762/AXM763/AXM764/AXM765	AGM731F/AGM732F; AXC761/3/5/7/10/15/20 AXM761/AXM762/AXM763/AXM764/AXM765
ProSupport Maintenance PKGS	OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year	PMB0313-10000S PMB0333-10000S PMB0353-10000S	PMB0313-10000S PMB0333-10000S PMB0353-10000S

Fully Managed Switches

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



MODEL	M4300-28G (GSM4328S)	M4300-52G (GSM4352S)	
Port Configuration	10/100/1000 RJ45 Ports (Auto Uplink)	48 / 2 10GBASE-T	
	Fiber Ports	2 SFP+ (10G)	
	10Gig Module Bays	2 SFP+ (10G)	
PoE (Power-over-Ethernet)	PoE (15.4W) 802.3af Ports		
	PoE+ (30W) 802.3at Ports		
	Total PoE Budget		
Stacking	Number of Dedicated Stacking Ports	Up to 4 10G ports	
	Stacking Bandwidth	80 Gbps	
	Stacking (maximum capacity)	8 switches	
	Stacking Compatibility	M4300 series	
Scalability	# MAC Addresses	16,000	
	ARP Table - Size of	888	
	# Routing Entries	12,000	
	# ACL Rules	16,384 (ingress, egress)	
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; RSPAN	
	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	128 Gbps	
	Buffer Memory	16 Mb	
	Jumbo Frames	9,198	
Availability	Spanning Tree 802.1d/RSTP .1w/MSTP .1s	802.1d, .1w, .1s; PV(R)STP	
	RPS Redundant Power Supply	Second optional APS150W	
	Modular Power Supply	APS150W	
Traffic Management	Number of 802.1q VLAN/Number of VLAN Group	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	
	SSL/SSH & HTTPS	SSL/SSH & HTTPS	
	Guest VLAN	✓	
	DHCP Snooping/IP Source Guard/ARP Guard	✓	
	TACACS+	✓	
Energy Efficiency	IEEE 802.3az	✓	
	Auto Port Power Down	✓	
	Dynamic Power Consumption	✓	
Physical	Power Consumption	34.5W	
	Desktop/Rack mount	Rack mount	
	Metal/Plastic Enclosure	Metal	
	MTBF @ 25°C	1,328,968 hrs	
	Fan(s)	Front to back	
	Acoustic Noise @ 25°C	30.3dBA	
	Width x Depth x Height	440 x 310 x 44 mm (17.32 x 12.2 x 1.73 in)	
	Weight	4.51 kg (9.94 lb)	
Electromagnetic Compliance	Class (A or B)		
Warranty Hardware	Lifetime		
Warranty Power Supply	Lifetime		
Modules	AGM731F/AGM732F; AXM761/3/5/7/10/15/20 AXM761/AXM762/AXM763/AXM764/AXM765		
ProSupport Maintenance PKGS	OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year		

Fully Managed Switches

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



MODEL	M4300-8X8F (XSM4316S)	M4300-16X (XSM4316PA OR XSM4316PB)	M4300-12X12F (XSM4324S)	M4300-24X (XSM4324CS)	
Port Configuration	10/100/1000 RJ45 Ports (Auto Uplink)	8 10GBASE-T	16 10GBASE-T	24 10GBASE-T	
	Fiber Ports	8 SFP+ (10G)		4 combo SFP+ (10G)	
	10Gig Module Bays				
PoE (Power-over-Ethernet)	PoE (15.4W) 802.3af Ports				
	PoE+ (30W) 802.3at Ports		16		
	Total PoE Budget		199W (PA)/500W (PB) APS199W or APS600W		
Stacking	Number of Dedicated Stacking Ports	Up to 16 10G ports	Up to 16 10G ports	Up to 16 10G ports	
	Stacking Bandwidth	320 Gbps	320 Gbps	320 Gbps	
	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	888	888	888	
	# 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	320 Gbps	320 Gbps	480 Gbps	
	Buffer Memory	16 Mb	16 Mb	32 Mb	
	Jumbo Frames	9,198	9,198	9,198	
Availability	Spanning Tree 802.1d/RSTP .1w/MSTP .1s	802.1d, .1w, .1s; PV(R)STP	802.1d, .1w, .1s; PV(R)STP	802.1d, .1w, .1s; PV(R)STP	
	RPS Redundant Power Supply				
	Modular Power Supply	APS250W	APS199W (PA) or APS600W (PB)	APS250W	
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	✓	✓	✓	
	TACACS+	✓	✓	✓	
Energy Efficiency	IEEE 802.3az	✓	✓	✓	
	Auto Port Power Down	✓	✓	✓	
	Dynamic Power Consumption	✓	✓	✓	
Physical	Power Consumption	49W	308.7W (PA) 610W (PB)	97W	
	Desktop/Rack mount	Rack mount	Rack mount	Rack mount	
	Metal/Plastic Enclosure	Metal	Metal	Metal	
	MTBF @ 25°C	196,120 hrs	690,301 hours	192,898 hrs	
	Fan(s)	Front to back	Front to back	Front to back	
	Acoustic Noise @ 25°C	36.9dBA	35dBA	36.9dBA	
	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 (7.31 lb)	3.22 kg (7.11 lb)	3.69 kg (8.14 lb)	
	Electromagnetic Compliance	Class (A or B)	A	A	
	Warranty Hardware	Lifetime	Lifetime	Lifetime	
Warranty Power Supply	Lifetime	Lifetime	Lifetime		
Modules	AGM731F/AGM732F; AXM761/3/5/7/10/15/20 AXM761/AXM762/AXM763/AXM764/AXM765	AGM731F/AGM732F; AXM761/3/5/7/10/15/20 AXM761/AXM762/AXM763/AXM764/AXM765	AGM731F/AGM732F; AXM761/3/5/7/10/15/20 AXM761/AXM762/AXM763/AXM764/AXM765	AGM731F/AGM732F; AXM761/3/5/7/10/15/20 AXM761/AXM762/AXM763/AXM764/AXM765	
ProSupport Maintenance PKGS	OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year	PMB0313-10000S PMB0333-10000S PMB0353-10000S	PMB0313-10000S PMB0333-10000S PMB0353-10000S	PMB0314-10000S PMB0334-10000S PMB0354-10000S	

Fully Managed Switches - Advanced Network Control with Remote Cloud Management

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



MODEL	M4300-28G-POE+ (GSM4328PA OR GSM4328PB)	M4300-52G-POE+ (GSM4352PA OR GSM4352PB)
Port Configuration	10/100/1000 RJ45 Ports (Auto Uplink)	24 / 2 10GBASE-T
	Fiber Ports	2 SFP+ (10G)
	10Gig Module Bays	2 SFP+ (10G)
PoE (Power-over-Ethernet)	PoE (15.4W) 802.3af Ports	48
	PoE+ (30W) 802.3at Ports	24
	Total PoE Budget	480W (PA)/630W (PB) Up to 720W with second PSU
Stacking	Number of Dedicated Stacking Ports	Up to 4 10G ports
	Stacking Bandwidth	80 Gbps
	Stacking (maximum capacity)	8 switches
	Stacking Compatibility	M4300 series
Scalability	# MAC Addresses	16,000
	ARP Table - Size of	888
	# Routing Entries	12,000
	# ACL Rules	16,384 (ingress, egress)
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; RSPAN
	IPv6 full set	✓
	Quality of Service	8
	Multicast Filtering	IGMP Snooping Version
Performance	Bandwidth	128 Gbps
	Buffer Memory	16 Mb
	Jumbo Frames	9,198
	Availability	Spanning Tree 802.1d/RSTP .1w/MSTP .1s
Traffic Management	Number of 802.1q VLAN/Number of VLAN Group	4,093/4,093
	Link Aggregation 802.3ad/LACP	✓
	Discovery Protocol LLDP 802.1ab	✓
	Rate Limiting	✓
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
	SSL/SSH & HTTPS	SSL/SSH & HTTPS
	Guest VLAN	✓
	DHCP Snooping/IP Source Guard/ARP Guard	✓
	TACACS+	✓
Energy Efficiency	IEEE 802.3az	✓
	Auto Port Power Down	✓
	Dynamic Power Consumption	✓
	Power Consumption	577W (PA 1 PSU) 833.2W (PB 1 PSU)
Physical	Desktop/Rack mount	Rack mount
	Metal/Plastic Enclosure	Metal
	MTBF @ 25°C	1,189,685 hrs
	Fan(s)	Front to back
	Acoustic Noise @ 25°C	39.8dBA
	Width x Depth x Height	440 x 310 x 44 mm (17.32 x 12.2 x 1.73 in)
	Weight	5.09 kg (11.21 lb)
	Electromagnetic Compliance	Class (A or B)
Warranty Hardware	Lifetime	
Warranty Power Supply	Lifetime	
Modules	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	

Fully Managed Switches

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



MODEL	M4300-24XF (XSM4324FS)	M4300-24X24F (XSM4348S)	M4300-48X (XSM4348CS)	M4300-48XF (XSM4348FS)
Port Configuration	10/100/1000 RJ45 Ports (Auto Uplink)	2 combo 10GBASE-T	24 10GBASE-T	48 10GBASE-T
	Fiber Ports	24 SFP+ (10G)	24 SFP+ (10G)	4 combo SFP+ (10G)
	10Gig Module Bays	24 SFP+ (10G)	24 SFP+ (10G)	4 SFP+ (10G)
PoE (Power-over-Ethernet)	PoE (15.4W) 802.3af Ports	48	24	48
	PoE+ (30W) 802.3at Ports	24	24	48
	Total PoE Budget	480W (PA)/630W (PB) Up to 720W with second PSU	480W (PA)/630W (PB) Up to 720W with second PSU	480W (PA)/630W (PB) Up to 720W with second PSU
Stacking	Number of Dedicated Stacking Ports	Up to 16 10G ports	Up to 16 10G ports	Up to 16 10G ports
	Stacking Bandwidth	320 Gbps	320 Gbps	320 Gbps
	Stacking (maximum capacity)	8 switches	8 switches	8 switches
	Stacking Compatibility	M4300 series	M4300 series	M4300 series
Scalability	# MAC Addresses	16,000	128,000	128,000
	ARP Table - Size of	888	8,192	8,192
	# 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	8	8	8
	Multicast Filtering	IGMP Snooping Version	v1, v2, v3	v1, v2, v3
Performance	Bandwidth	480 Gbps	960 Gbps	960 Gbps
	Buffer Memory	32 Mb	56 Mb	56 Mb
	Jumbo Frames	9,198	9,198	9,198
	Availability	Spanning Tree 802.1d/RSTP .1w/MSTP .1s	802.1d, .1w, .1s; PV(R)STP	802.1d, .1w, .1s; PV(R)STP
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	✓	✓	✓
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	✓	✓	✓
	TACACS+	✓	✓	✓
Energy Efficiency	IEEE 802.3az	✓	✓	✓
	Auto Port Power Down	✓	✓	✓
	Dynamic Power Consumption	✓	✓	✓
	Power Consumption	125W	161W	237.2W
Physical	Desktop/Rack mount	Rack mount	Rack mount	R
	Metal/Plastic Enclosure	Metal	Metal	Metal
	MTBF @ 25°C	968,447 hours	133,176 hrs	249,393 hrs
	Fan(s)	Front to back	Front to back	Front to back
	Acoustic Noise @ 25°C	39.07dBA	35.8dBA	40.3dBA
	Width x Depth x Height	Half-Width: 212 x 345 x 44 mm (8.35 x 13.58 x 1.73 in)	440 x 345 x 44 mm (17.32 x 13.58 x 1.73 in)	440 x 345 x 44 mm (17.32 x 13.58 x 1.73 in)
	Weight	3.56kg (7.85lb)	6.12 kg (13.48 lb)	6.55 kg (14.44 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	
ProSupport Maintenance PKGS	OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year	PMB0314-10000S PMB0334-10000S PMB0354-10000S	PMB0314-10000S PMB0334-10000S PMB0354-10000S	

Fully Managed Switches

Fully Managed, M4300 series (L3), Gigabit and 10-Gigabit Fully Managed, M4350 series (L3), Gigabit, 2.5, 10, 25 and 100-Gigabit



MODEL	M4300-96X (XSM4396K0 OR K1)	M4350-24G4XF (GSM4328)	M4350-48G4XF (GSM4352)
Port Configuration	10/100/1000 RJ45 Ports (Auto Uplink)	Up to 96 10GBASE-T	48
	Fiber Ports	Up to 96 SFP+ / 24 QSFP+	4 SFP+ (10G)
PoE (Power-over-Ethernet)	10Gig Module Bays		
	PoE (15.4W) 802.3af Ports	Up to 48	48
Stacking	PoE+ (30W) 802.3at Ports	24	48
	PoE++ (90W) 802.3bt Ports		36
Scalability	Total PoE Budget	Up to 1,440W	236W (base) up to 1,440W
	Number of Dedicated Stacking Ports	Up to 16 10G or 40G ports	
System Management	Stacking Bandwidth	320 Gbps	
	Stacking (maximum capacity)	8 switches	
Quality of Service	Stacking Compatibility	M4300 series	
	# MAC Addresses	256,000	16,000
Multicast Filtering	ARP Table - Size of	8,192	4,096
	# Routing Entries	12,000	894
Performance	# ACL Rules	16,384 (ingress, egress)	16,384 (ingress, egress)
	Single IP Management	✓	✓
Availability	Web Managed/GUI	✓	IT GUI, AV GUI
	Command Line Interface/RS232 Console/Telnet	✓	IT GUI, AV GUI
Traffic Management	SNMP Version	v1, v2c, v3	v1, v2c, v3
	RMON Group	1, 2, 3, 9	1, 2, 3, 9
Energy Efficiency	DHCP (Client/Server/Relay)	Client/Server/L3 Relay	Client/Server/L3 Relay
	Port Mirroring	Many-to-One; RSPAN	Many-to-One; RSPAN
Physical	IPv6 full set	✓	✓
	Number of Priority Queues	8	8
Warranty Hardware	Traffic Prioritization	802.1p; Diffserv; TCP/UDP	802.1p; Diffserv; TCP/UDP
	Auto Voice VLAN	✓	✓
Warranty Power Supply	IGMP Snooping Version	v1, v2, v3	v1, v2, v3
	IGMP Snooping Querier	✓	✓
Modules	Bandwidth	1920 Tbps	128 Gbps
	Buffer Memory	96 Mb	16Mb
ProSupport Maintenance PKGS	Jumbo Frames	9,198	12K
	Spanning Tree 802.1d/RSTP .1w/MSTP .1s	802.1d, .1w, .1s; PV(R)STP	802.1d, .1w, .1s; PV(R)STP
Electromagnetic Compliance	RPS Redundant Power Supply	Second optional APS600W or APS1200W	
	Modular Power Supply	APS600W or APS1200W	
Warranty Power Supply	Number of 802.1q VLAN/Number of VLAN Group	4,093 / 4,093	4,093 / 4,093
	Link Aggregation 802.3ad/LACP	✓	✓
Modules	Discovery Protocol LLD Protocol 802.1ab	✓	✓
	Rate Limiting	✓	✓
ProSupport Maintenance PKGS	Broadcast Storm Control	✓	✓
	IPv4 Static Routing	✓	✓
Electromagnetic Compliance	IPv4 RIPv1/2, OSPFv1/2, VRRP, EMCP	✓	✓
	IPv6 Static Routing, IPv6 OSPFv3	✓	✓
Warranty Hardware	IPv4 / IPv6 Multicast Routing PIM-SM/DM	✓	✓
	IEEE 802.1x (RADIUS)	✓	✓
Warranty Power Supply	ACL - Access Control Lists	MAC, IP, TCP	MAC, IP, TCP
	SSL/SSH & HTTPS	SSL/SSH & HTTPS	SSL/SSH & HTTPS
Modules	Guest VLAN	✓	✓
	DHCP Snooping/IP Source Guard/ARP Guard	✓	✓
ProSupport Maintenance PKGS	TACACS+	✓	✓
	IEEE 802.3az	✓	✓
Electromagnetic Compliance	Auto Port Power Down	✓	✓
	Dynamic Power Consumption	✓	✓
Warranty Hardware	Power Consumption	566W (without PoE) 2,006W (max PoE)	80W (no PoE) 871.2W (max PoE)
	Power Consumption		99W (no PoE) 1,618.3W (max PoE)
Warranty Power Supply	Desktop/Rack mount	R	R
	Metal/Plastic Enclosure	Metal	M
Modules	MTBF @ 25°C	519,784 hrs	782,376 hours
	Fan(s)	Front to back	Front to back
ProSupport Maintenance PKGS	Acoustic Noise @ 25°C	35.8dBA (no PoE); 66.8dBA (max PoE)	Quiet mode (33dBA) or Cool mode (52dBA)
	Width x Depth x Height	440 x 535 x 88 mm (17.32 x 21.08 x 3.47 in)	440 x 400 x 43.2 mm (17.32 x 15.75 x 1.70 in)
Warranty Power Supply	Weight	16.28 kg (35.86 lb) (K1)	6.41 kg (14.13 lb)
	Class (A or B)	A	A
Warranty Hardware	Class (A or B)	A	A
	Class (A or B)	A	A
Warranty Power Supply	Class (A or B)	A	A
	Class (A or B)	A	A
Modules	Class (A or B)	A	A
	Class (A or B)	A	A
ProSupport Maintenance PKGS	Class (A or B)	A	A
	Class (A or B)	A	A
Warranty Hardware	Class (A or B)	A	A
	Class (A or B)	A	A
Warranty Power Supply	Class (A or B)	A	A
	Class (A or B)	A	A
Modules	Class (A or B)	A	A
	Class (A or B)	A	A
ProSupport Maintenance PKGS	Class (A or B)	A	A
	Class (A or B)	A	A

Fully Managed Switches

Fully Managed, M4350 series (L3), Gigabit, 2.5, 10, 25 and 100-Gigabit



MODEL	M4350-44M4X4V (MSM4352)	M4350-8X8F XSM4316	M4350-12X12F XSM4324
Port Configuration	10/100/1000 RJ45 Ports (Auto Uplink)	44x1G/2.5G, 4x1G/2.5G/5G/10G	12x1G/2.5G/5G/10G
	Fiber Ports	4 SFP28 (10G/25G)	8 SFP+ (10G)
PoE (Power-over-Ethernet)	10Gig Module Bays		
	PoE (15.4W) 802.3af Ports	Up to 48	36
Stacking	PoE+ (30W) 802.3at Ports	48	36
	PoE++ (90W) 802.3bt Ports		36
Scalability	Total PoE Budget	194W (base) up to 3,314W	280W (base) up to 1,760W
	Number of Dedicated Stacking Ports		
System Management	Stacking Bandwidth		
	Stacking (maximum capacity)		
Quality of Service	Stacking Compatibility		
	# MAC Addresses	16,000	16,000
Multicast Filtering	ARP Table - Size of	4,096	4,096
	# Routing Entries	894	894
Performance	# ACL Rules	16,384 (ingress, egress)	16,384 (ingress, egress)
	Single IP Management	✓	✓
Availability	Web Managed/GUI	IT GUI, AV GUI	IT GUI, AV GUI
	Command Line Interface/RS232 Console/Telnet	✓	IT GUI, AV GUI
Traffic Management	SNMP Version	v1, v2c, v3	v1, v2c, v3
	RMON Group	1, 2, 3, 9	1, 2, 3, 9
Energy Efficiency	DHCP (Client/Server/Relay)	Client/Server/L3 Relay	Client/Server/L3 Relay
	Port Mirroring	Many-to-One; RSPAN	Many-to-One; RSPAN
Physical	IPv6 full set	✓	✓
	Number of Priority Queues	8	8
Warranty Hardware	Traffic Prioritization	802.1p; Diffserv; TCP/UDP	802.1p; Diffserv; TCP/UDP
	Auto Voice VLAN	✓	✓
Warranty Power Supply	IGMP Snooping Version	v1, v2, v3	v1, v2, v3
	IGMP Snooping Querier	✓	✓
Modules	Bandwidth	500 Gbps	320 Gbps
	Buffer Memory	32Mb	32Mb
ProSupport Maintenance PKGS	Jumbo Frames	12K	12K
	Spanning Tree 802.1d/RSTP .1w/MSTP .1s	802.1d, .1w, .1s; PV(R)STP	802.1d, .1w, .1s; PV(R)STP
Electromagnetic Compliance	RPS Redundant Power Supply		
	Modular Power Supply		
Warranty Hardware	Number of 802.1q VLAN/Number of VLAN Group	4,093 / 4,093	4,093 / 4,093
	Link Aggregation 802.3ad/LACP	✓	✓
Warranty Power Supply	Discovery Protocol LLD Protocol 802.1ab	✓	✓
	Rate Limiting	✓	✓
Modules	Broadcast Storm Control	✓	✓
	IPv4 Static Routing	✓	✓
ProSupport Maintenance PKGS	IPv4 RIPv1/2, OSPFv1/2, VRRP, EMCP	✓	✓
	IPv6 Static Routing, IPv6 OSPFv3	✓	✓
Electromagnetic Compliance	IPv4 / IPv6 Multicast Routing PIM-SM/DM	✓	✓
	IEEE 802.1x (RADIUS)	✓	✓
Warranty Hardware	ACL - Access Control Lists	MAC, IP, TCP	MAC, IP, TCP
	SSL/SSH & HTTPS	SSL/SSH & HTTPS	SSL/SSH & HTTPS
Warranty Power Supply	Guest VLAN	✓	✓
	DHCP Snooping/IP Source Guard/ARP Guard	✓	✓
Modules	TACACS+	✓	✓
	IEEE 802.3az	✓	✓
ProSupport Maintenance PKGS	Auto Port Power Down	✓	✓
	Dynamic Power Consumption	✓	✓
Warranty Hardware	Power Consumption	133.5W (no PoE) 3,857.5W (max PoE)	81.1W
	Power Consumption		95.8W
Warranty Power Supply	Desktop/Rack mount	R	R
	Metal/Plastic Enclosure	M	M
Modules	MTBF @ 25°C	320,552 hours	1,101,630 hours
	Fan(s)	Front to back	Front to back
ProSupport Maintenance PKGS	Acoustic Noise @ 25°C	Quiet mode (34dBA) or Cool mode (52dBA)	Quiet mode (34.43dBA) or Cool mode (56.3dBA)
	Width x Depth x Height	440 x 400 x 43.2 mm (17.32 x 15.75 x 1.70 in)	220 x 400 x 43.2 mm (8.66 x 15.75 x 1.70 in)
Warranty Power Supply	Weight	7.34 kg (16.18 lb)	4.05 kg (8.93 lb)
	Class (A or B)	A	A
Warranty Hardware	Class (A or B)	A	A
	Class (A or B)	A	A
Warranty Power Supply	Class (A or B)	A	A
	Class (A or B)	A	A
Modules	Class (A or B)	A	A
	Class (A or B)	A	A
ProSupport Maintenance PKGS	Class (A or B)	A	A
	Class (A or B)	A	A

Fully Managed Switches

Fully Managed, M4350 series (L3), Gigabit, 2.5, 10, 25 and 100-Gigabit



MODEL	M4350-24X4V XSM4328CV	M4350-24F4V (XSM4328FV)	M4350-36X4V (XSM4340CV)		
Port Configuration	10/100/1000 RJ45 Ports (Auto Uplink)	24x1G/2.5G/5G/10G	36x1G/2.5G/5G/10G		
	Fiber Ports	4 SFP28 (10G/25G)	24 SFP+ (10G) 4 SFP28 (10/25G)	4 SFP28 (10G/25G)	
	10Gig Module Bays				
PoE (Power-over-Ethernet)	PoE (15.4W) 802.3af Ports				
	PoE+ (30W) 802.3at Ports	24			
	PoE++ (90W) 802.3bt Ports		36		
	Total PoE Budget	576W (base) up to 720W	280W (base) up to 1,760W		
Stacking	Number of Dedicated Stacking Ports				
	Stacking Bandwidth				
	Stacking (maximum capacity)				
	Stacking Compatibility				
Scalability	# MAC Addresses	16,000	16,000	16,000	
	ARP Table - Size of	4,096	4,096	4,096	
	# Routing Entries	894	894	894	
	# ACL Rules	16,384 (ingress, egress)	16,384 (ingress, egress)	16,384 (ingress, egress)	
System Management	Single IP Management				
	Web Managed/GUI	IT GUI, AV GUI	IT GUI, AV GUI	IT GUI, AV GUI	
	Command Line Interface/RS232 Console/Telnet	✓	✓	✓	
	SNMP Version	v1, v2c, v3	v1, v2c, v3	v1, v2c, v3	
	RMON Group	1, 2, 3, 9	1, 2, 3, 9	1, 2, 3, 9	
	DHCP (Client/Server/Relay)	Client/Server/L3 Relay	Client/Server/L3 Relay	Client/Server/L3 Relay	
	Port Mirroring	Many-to-One; RSPAN	Many-to-One; RSPAN	Many-to-One; RSPAN	
	IPv6 full set	✓	✓	✓	
	Quality of Service	Number of Priority Queues	8	8	8
		Traffic Prioritization	802.1p; Diffserv; TCP/UDP	802.1p; Diffserv; TCP/UDP	802.1p; Diffserv; TCP/UDP
Auto Voice VLAN		✓	✓	✓	
Multicast Filtering	IGMP Snooping Version	v1, v2, v3	v1, v2, v3	v1, v2, v3	
	IGMP Snooping Querier	✓	✓	✓	
Performance	Bandwidth	680 Gbps	680 Gbps	920 Gbps	
	Buffer Memory	32Mb	32Mb	64Mb	
	Jumbo Frames	12K	12K	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	✓	✓	✓	
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	✓	✓	✓	
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	✓	✓	✓	
Energy Efficiency	TACACS+	✓	✓	✓	
	IEEE 802.3az	✓	✓	✓	
	Auto Port Power Down	✓	✓	✓	
	Dynamic Power Consumption	✓	✓	✓	
Physical	Power Consumption	119.4W (no PoE) 907.8W (max PoE)	119.3W	148W (no PoE) 2,071.4W (max PoE)	
	Desktop/Rack mount	R	R	R	
	Metal/Plastic Enclosure	M	M	M	
	MTBF @ 25°C	486,832 hours	778,741 hours	tbd	
	Fan(s)	Front to back	Front to back	Front to back	
	Acoustic Noise @ 25°C	Quiet mode (34.7dBA) or Cool mode (57.2dBA)	Quiet mode (34.2dBA) or Cool mode (61.8dBA)	Quiet mode (32.1dBA) or Cool mode (54dBA)	
Electromagnetic Compliance	Width x Depth x Height	440 x 400 x 43.2 mm (17.32 x 15.75 x 1.70 in)	440 x 400 x 43.2 mm (17.32 x 15.75 x 1.70 in)	440 x 400 x 43.2 mm (17.32 x 15.75 x 1.70 in)	
	Weight	6.58 kg (14.51 lb)	6.25 kg (13.78 lb)	7.33kg (16.16 lb)	
Warranty Hardware	Class (A or B)	A	A	A	
Warranty Power Supply	Lifetime	Lifetime	Lifetime	Lifetime	
Modules	AGM731F/AGM732F; AXC761/3/5/7/10/15/20 AXM761/AXM762/AXM763/AXM764/ AXM765	AGM731F/AGM732F; AXC761/3/5/7/10/15/20 AXM761/AXM762/AXM763/AXM764/ AXM765	AGM731F/AGM732F; AXC761/3/5/7/10/15/20 AXM761/AXM762/AXM763/AXM764/ AXM765	AGM731F/AGM732F; AXC761/3/5/7/10/15/20 AXM761/AXM762/AXM763/AXM764/ AXM765	
	ProSupport Maintenance PKGS	OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year	PMB0313 PMB0333 PMB0353	PMB0314 PMB0334 PMB0354	PMB0314 PMB0334 PMB0354

Fully Managed Switches

Fully Managed, M4350 series (L3), Gigabit, 2.5, 10, 25 and 100-Gigabit



MODEL	M4350-24X8F8V XSM4340V	M4350-32F8V XSM4340FV	M4350-16V4C (VSM4320C)	M4350-40X4C (XSM4344C)	
Port Configuration	10/100/1000 RJ45 Ports (Auto Uplink)	24x1G/2.5G/5G/10G	16x1G/2.5G/5G/10G	40x1G/2.5G/5G/10G	
	Fiber Ports	8 SFP+ (10G) 8 SFP28 (10/25G)	32 SFP+ (10G) 8 SFP28 (10/25G)	16 SFP28 (10G/25G) 4 QSFP28 (100G)	4 QSFP28 (100G)
	10Gig Module Bays				
PoE (Power-over-Ethernet)	PoE+ (30W) 802.3at Ports				
	PoE++ (90W) 802.3bt Ports	24		40	
	Total PoE Budget	290W (base) up to 1,770W		196W (base) up to 1,676W	
Stacking	Number of Dedicated Stacking Ports				
	Stacking Bandwidth				
	Stacking (maximum capacity)				
Scalability	# MAC Addresses	16,000	16,000	16,000	
	ARP Table - Size of	4,096	4,096	4,096	
	# Routing Entries	894	894	894	
	# ACL Rules	16,384 (ingress, egress)	16,384 (ingress, egress)	16,384 (ingress, egress)	16,384 (ingress, egress)
System Management	Single IP Management				
	Web Managed/GUI	IT GUI, AV GUI	IT GUI, AV GUI	IT GUI, AV GUI	
	Command Line Interface/RS232 Console/Telnet	✓	✓	✓	
	SNMP Version	v1, v2c, v3	v1, v2c, v3	v1, v2c, v3	
	RMON Group	1, 2, 3, 9	1, 2, 3, 9	1, 2, 3, 9	
	DHCP (Client/Server/Relay)	Client/Server/L3 Relay	Client/Server/L3 Relay	Client/Server/L3 Relay	
	Port Mirroring	Many-to-One; RSPAN	Many-to-One; RSPAN	Many-to-One; RSPAN	
	IPv6 full set	✓	✓	✓	
	Quality of Service	Number of Priority Queues	8	8	8
		Traffic Prioritization	802.1p; Diffserv; TCP/UDP	802.1p; Diffserv; TCP/UDP	802.1p; Diffserv; TCP/UDP
Multicast Filtering	IGMP Snooping Version	v1, v2, v3	v1, v2, v3	v1, v2, v3	
	IGMP Snooping Querier	✓	✓	✓	
Performance	Bandwidth	1.04 Tbps	1.04 Tbps	1.6 Tbps	
	Buffer Memory	64Mb	64Mb	256Mb	
	Jumbo Frames	12K	12K	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	✓	✓	✓	
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	✓	✓	✓	
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	✓	✓	✓	
Energy Efficiency	TACACS+	✓	✓	✓	
	IEEE 802.3az	✓	✓	✓	
	Auto Port Power Down	✓	✓	✓	
	Dynamic Power Consumption	✓	✓	✓	
Physical	Power Consumption	151.8W (no PoE) 2,057.3W (max PoE)	156.4W	143.4W 2,018.3W (max PoE)	
	Desktop/Rack mount	R	R	R	
	Metal/Plastic Enclosure	M	M	M	
	MTBF @ 25°C	tbd	tbd	tbd	
	Fan(s)	Front to back	Front to back	Front to back	
	Acoustic Noise @ 25°C	Quiet mode (32.6dBA) or Cool mode (53.3dBA)	Quiet mode (32.7dBA) or Cool mode (63dBA)	Quiet mode (36.4dBA) or Cool mode (55dBA)	
Electromagnetic Compliance	Width x Depth x Height	440 x 400 x 43.2 mm (17.32 x 15.75 x 1.70 in)	440 x 400 x 43.2 mm (17.32 x 15.75 x 1.70 in)	440 x 400 x 43.2 mm (17.32 x 15.75 x 1.70 in)	
	Weight	7.24 kg (15.96 lb)	6.95kg (15.32 lb)	7.15kg (15.77 lb)	
Warranty Hardware	Class (A or B)	A	A	A	
Warranty Power Supply	Lifetime	Lifetime	Lifetime	Lifetime	
Modules	AGM731F/AGM732F; AXC761/3/5/7/10/15/20 AXM761/AXM762/AXM763/ AXM764/AXM765	AGM731F/AGM732F; AXC761/3/5/7/10/15/20 AXM761/AXM762/AXM763/ AXM764/AXM765	AGM731F/AGM732F; AXC761/3/5/7/10/15/20 AXM761/AXM762/AXM763/ AXM764/AXM765	AGM731F/AGM732F; AXC761/3/5/7/10/15/20 AXM761/AXM762/AXM763/ AXM764/AXM765	
	ProSupport Maintenance PKGS	OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year	PMB0314 PMB0334 PMB0354	PMB0314 PMB0334 PMB0354	PMB0314 PMB0334 PMB0354

Fully Managed Switches

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



MODEL	M4500-32C (CSM4532)	M4500-48XF8C (XSM4556)		
Port Configuration	10/100/1000 RJ45 Ports (Auto Uplink)			
	Fiber Ports	32 QSFP28 (100G)	48 SFP28 (10/25G) / 8 QSFP28 (100G)	
	10Gig Module Bays			
PoE (Power-over-Ethernet)	PoE (15.4W) 802.3af Ports			
	PoE+ (30W) 802.3at Ports			
	Total PoE Budget			
Stacking	Number of Dedicated Stacking Ports			
	Stacking Bandwidth			
	Stacking (maximum capacity)			
Scalability	Stacking Compatibility	MLAG (M4500 Series)	MLAG (M4500 Series)	
	# MAC Addresses	32,000	32,000	
	ARP Table - Size of	8,192	8,192	
	# Routing Entries	32,000	32,000	
	# ACL Rules	16,384 (ingress, egress)	16,384 (ingress, egress)	
System Management	Single IP Management			
	Web Managed/GUI	✓	✓	
	Command Line Interface/RS232 Console/Telnet	✓	✓	
	SNMP Version	v1, v2c, v3	v1, v2c, v3	
	RMON Group	1, 2, 3, 9	1, 2, 3, 9	
	DHCP (Client/Server/Relay)	Client/Server/L3 Relay	Client/Server/L3 Relay	
	Port Mirroring	Many-to-One; RSPAN	Many-to-One; RSPAN	
	IPv6 full set	✓	✓	
	Quality of Service	Number of Priority Queues	8	8
		Traffic Prioritization	802.1p; Diffserv; TCP/UDP	802.1p; Diffserv; TCP/UDP
Auto Voice VLAN		✓	✓	
Multicast Filtering	IGMP Snooping Version	v1, v2, v3	v1, v2, v3	
	IGMP Snooping Querier	✓	✓	
Performance	Bandwidth	6.4 Tbps	4 Tbps	
	Buffer Memory	256Mb	256Mb	
	Jumbo Frames	9,198	9,198	
Availability	Spanning Tree 802.1d/RSTP .1w/MSTP .1s	802.1d, .1w, .1s	802.1d, .1w, .1s	
	RPS Redundant Power Supply	Second APS750W (included)	Second APS750W (included)	
Traffic Management	Modular Power Supply	APS750W	APS750W	
	Number of 802.1q VLAN/Number of VLAN Group	4,093 / 4,093	4,093 / 4,093	
	Link Aggregation 802.3ad/LACP	✓	✓	
	Discovery Protocol LLDLP 802.1ab	✓	✓	
	Rate Limiting	✓	✓	
	Broadcast Storm Control	✓	✓	
L3 Routing	IPv4 Static Routing	✓	✓	
	IPv4 RIPv1/2, OSPFv1/2, VRRP, EMCP	OSPFv2, VRRP, EMCP, BGP4	OSPFv2, VRRP, EMCP, BGP4	
	IPv6 Static Routing, IPv6 OSPFv3	✓	✓	
	IPv4 / IPv6 Multicast Routing PIM-SM/DM	PIM-SM/SSM	PIM-SM/SSM	
Security	IEEE 802.1x (RADIUS)	✓	✓	
	ACL - Access Control Lists	MAC, IP, TCP	MAC, IP, TCP	
	SSL/SSH & HTTPS	SSL/SSH	SSL/SSH	
	Guest VLAN	✓	✓	
	DHCP Snooping/IP Source Guard/ARP Guard	✓	✓	
Energy Efficiency	TACACS+	✓	✓	
	IEEE 802.3az			
	Auto Port Power Down			
Physical	Dynamic Power Consumption			
	Power Consumption	426 Watts	394 Watts	
	Desktop/Rack mount	R	R	
	Metal/Plastic Enclosure	Metal	Metal	
	MTBF @ 25°C	281,359 hours	289,052 hours	
	Fan(s)	Front to back	Front to back	
	Acoustic Noise @ 25°C	64dBA	68dBA	
	Width x Depth x Height	440 x 508 x 43 mm (17.32 x 20 x 1.7 in)	440 x 508 x 43 mm (17.32 x 20 x 1.7 in)	
	Weight	9.78kg (21.54lb)	9.73kg (21.43lb)	
	Electromagnetic Compliance	Class (A or B)	A	
Warranty Hardware	Lifetime	Lifetime		
Warranty Power Supply	Lifetime	Lifetime		
Modules	AGM731F/AGM732F; AXC761/3/5/7/10/15/20 AXM761/AXM762/AXM763/ AXM764/ AXM765; AXLC761/3; ACC761/3 AXLM761/AXLM762; ACM761/ACM762	AGM731F/AGM732F; AXC761/3/5/7/10/15/20 AXM761/AXM762/AXM763/ AXM764/AXM765; AXLC761/3; ACC761/3 AXLM761/AXLM762; ACM761/ACM762		
	ProSupport Maintenance PKGS	OnCall 24x7 1-year OnCall 24x7 3-year OnCall 24x7 5-year	PMB0314-100005 PMB0334-100005 PMB0354-100005	

Modules and Accessories for Switches

Gigabit Fiber Modules

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

10-Gigabit Copper and Fiber Modules

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

10-Gigabit Copper and Fiber Modules

MODEL	AXM763	AXM764	AXM765v2	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 80m	1m	3m
Cabling Type	10GBASE-LRM Long Reach Multimode	10GBASE-LR "Lite"	10GBASE-T	Direct Attach Cable	Direct Attach Cable
Connector	LC duplex	LC duplex	RJ45	SFP+	SFP+
Interface (Bus) Type	10-Gigabit Small Form Factor Pluggable (SFP+)	10-Gigabit Small Form Factor Pluggable (SFP+)	10 Gigabit Small Form Factor Pluggable (SFP+)	10-Gigabit Small Form Factor Pluggable (SFP+)	10-Gigabit Small Form Factor Pluggable (SFP+)
Form Factor	Plug-in SFP+	Plug-in SFP+	Plug-in SFP+	SFP+ Cable	SFP+ Cable
Data Transfer Rate	10 Gbps	10 Gbps	10 Gbps	10 Gbps	10 Gbps
Hot-Swappable	✓	✓	✓	✓	✓
Fiber Cable Support	62.5µm OM1/50µm OM2 multimode (220m); 50µm OM3/OM4 multimode (260m)	9µm single mode (2km)	CAT6a / CAT7 (Copper)	NA	NA
Switch Compatibility	Select Unmanaged, Plus, Smart, Fully Managed Switches	Select Unmanaged, Plus, Smart, Fully Managed Switches	Select Unmanaged, Plus, Smart, Fully Managed Switches	Select Unmanaged, Plus, Smart, Fully Managed Switches	Select Unmanaged, Plus, Smart, Fully Managed Switches
Warranty	5 years	5 years	5 years	5 years	5 years

Modules and Accessories for Switches

10-Gigabit Copper and Fiber Modules



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

Modular Power Supply



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

Modular Power Supply



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

Third-Party Modules

ZeeVee HDMI Module for M4300-96X



MFG: ZEEVEE

Model No: ZyPer4K Quad Encoder

Description: 4x HDMI Input module for M4300-96X, on-board SDVoE encoder

Contact ZeeVee for details: <https://www.zeevee.com/zyper4k-hdmi-module/>

DVIGear HDMI Module for M4300-96X



MFG: DVIgear

Model No: DN-150-TX-Quad

Description: 4x HDMI Input module for M4300-96X, on-board SDVoE encoder

Contact DVIGear for details: <https://www.dvigeear.com/displaynet-dn-150-tx-quad.html>

Modules and Accessories for Switches

Accessory Power Adapters

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

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

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



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



MOBILE BROADBAND

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



TRI-BAND MESH WIFI WITH 5G OR LTE

5G or LTE Internet for entire workspace
Always-on WiFi for Internet failover
Expandable coverage with Orbi AX or AC Satellites



4G LTE AND 5G PORTABLE WIFI

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



ALWAYS-ON BROADBAND CONNECTION

Fail-safe connectivity solutions
Ideal for remote locations
Easy Installation

SECURITY AND CONNECTIVITY FOR YOUR BUSINESS



4G LTE & 5G Portable WiFi

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

- Dedicated hotspot device to connect up to 32 WiFi devices to 4G LTE speeds.
- Utilize waiting time efficiently while in-transit.
- Download or upload information for file sharing or collaboration.
- Maintain data security and employee usage accountability, avoiding the risk of using unprotected public WiFi.



LTE & 5G Home Office WiFi

Orbi 5G and 4G LTE Advanced Tri-band Mesh WiFi Router delivers fast Internet speeds from the 5G or 4G LTE mobile network. Access 5G or LTE as your primary Internet connection, or count on 5G or LTE as your reliable failover solution.

- Insert a Nano SIM card from your preferred provider. Certified with AT&T, T-Mobile, and Verizon; not compatible with Sprint.
- Maintain business continuity when wired Internet such as fibre, cable or DSL are unavailable or disrupted. Seamlessly switch to 5G or LTE.
- NETGEAR Armor™ to guard your business network and connected devices with advanced cyber threat protection.



4G LTE Hotspots

NETGEAR Mobile Hotspots are secure, compact and easy to use, making them the ideal work companions that let you connect up to 32 WiFi devices to the Internet anywhere mobile coverage is available. NETGEAR mobile hotspots let you be productive anywhere you need to be.

- 2930mAh battery that lasts up to 11 hours of continuous use.
- Block unwanted devices or turn on a secure Guest Wi-Fi to safely share Internet access for temporary use among your teams, clients or guests.
- Get instant Wi-Fi connection where you want, when you want.



LTE Modems

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

- LTE connectivity for business needs:
- Interim solution to fixed line service.
 - Retail locations with payment processing.
 - Temporary offices such as construction sites.
 - Enterprise server room.
 - WAN port feature will be enabled with future firmware upgrade.
 - Certified with AT&T, T-Mobile, and Verizon. Not compatible with Sprint.



SUPPORT

ProSupport for Business

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

- 24/7 live technical support and consultation
- Direct, scheduled access to product experts to help in configuration

More Than Just Support – A Business Partnership

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

OnCall 24x7 Tech Support

NETGEAR extends your initial 90-day technical support with the OnCall 24x7 Tech support package. OnCall 24x7 services are conducted by phone, chat and email, to solve any of your technical challenges.

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

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

Professional Configuration and Setup Assistance

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

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

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

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

² Limited lifetime hardware warranty and 24/7 Online Chat Support ends 5 years after product EOL date. Does not cover software. Does not apply to external power adapters.

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

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

⁵ Varies according to the duration of the ProSupport contract.