NETGEAR®

ProSAFE® Next-Gen Edge Managed Switches

Unmatched Gigabit performance and 10GBase-T scalability for virtualized servers, storage and sensitive audio/video deployments

Auto-iSCSI
DETECTION
OPTIMIZATION

M5300 series

The NETGEAR® Next-Gen Edge M5300 series consists of seven fully managed stackable Gigabit Ethernet switches, with embedded 10 Gigabit Ethernet uplink connectivity. There are 24-port and 48-port models including Gigabit copper versions, powerful PoE+ versions with up to 1,520 watts and even a Fiber aggregation solution. They are ideal for all organizations considering reliable, affordable and simple 10 Gigabit Ethernet backbone architectures. As a proficient component of converged voice, video and data networking solutions, NETGEAR M5300 series delivers a resilient access layer in server rooms for virtualization, campus LAN environments and commercial buildings. Virtual Chassis stacking technology—including non-stop forwarding—scales both the entire network's performance and its redundancy.

LIFETIME WARRANTY Hardware Warranty

LIFETIME WARRANTY Next Business Day

LIFETIME Tech Support

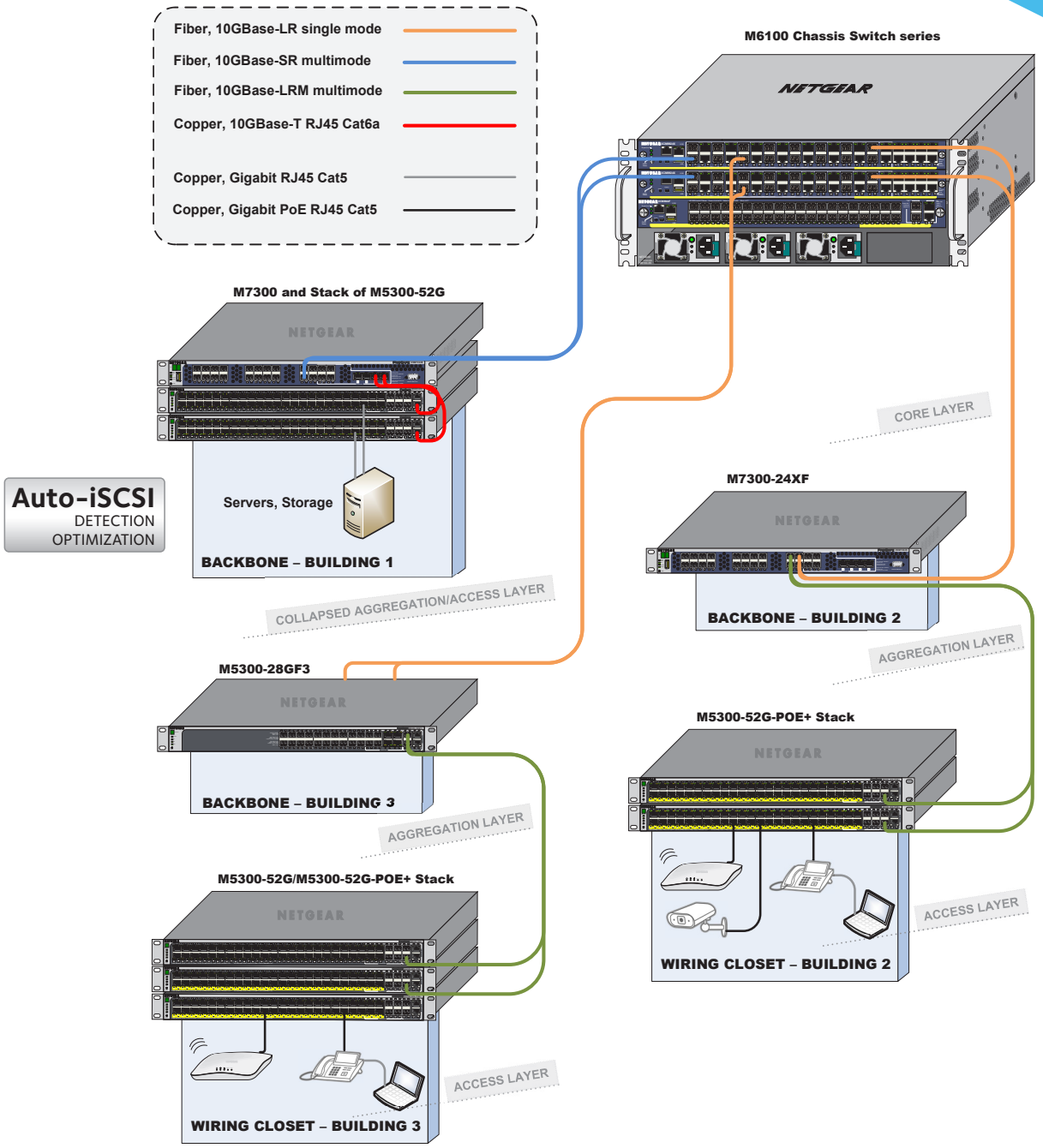
Why 10 Gigabit Ethernet for edge distribution of mid-sized networks?

- Mid-sized organizations, hospitals and schools have the same bandwidth needs as large enterprises

- With the wide adoption of virtualization, audio-video-data convergence, and rapid growth of bandwidth intensive applications, there is a continued demand for faster network connectivity

- The widespread deployment of Gigabit to the desktop is becoming a bottleneck for any network access layer

- 10 Gigabit Ethernet represents the solution to many of the scaling challenges presented by the edge of today's networks



Get started today with NETGEAR M5300 series

NETGEAR 10 Gigabit Aggregation managed switches and NETGEAR Next-Gen Edge M5300 series managed switches are ideal for all organizations considering reliable, affordable and simple 10 Gigabit Ethernet backbone architectures. The move toward deploying 10GbE closer to the network's edge makes sense given the current requirements of modern networks. Such high-performance connections are necessary to enable the following business-critical applications:

- Desktop and workstations data workload aggregation
  - Bandwidth requirements among desktop users within organizations is increasing exponentially as workloads and associated applications require greater, more intense processing power
  - For example, PC backup programs that run continuously and automatically in the background place a such heavy strain on the network that, without 10 Gigabit Ethernet, can slow overall network performance
- IP voice and video applications
  - Bandwidth-rich IP voice and video applications stand to improve productivity and reduce costs
  - Executives can use teleconferencing, for example, to build stronger relationships with geographically dispersed teams, speed up decision-making and reduce travel time
  - Yet such media-rich applications can generate many megabytes of data in a very short amount of time, resulting in significant network bandwidth consumption
- Vertical Industry-specific applications
  - Many vertical industry-specific applications are extremely bandwidth-intensive and require higher-speed connectivity
  - For example, digital imaging applications used by the healthcare industry to enable procedures such as CAT scans and MRIs, or CAD and CAM programs used in the manufacturing industry, require more robust, powerful and real-time performance only possible over 10 Gigabit Ethernet connections
  - Deploying 10 Gigabit Ethernet at the aggregation layer will increase network performance and reliability; mid-sized businesses should look for a high-capacity, scalable architecture that can support continued growth and increasing bandwidth requirements over time
- In modern networks, key applications for 10 Gigabit Ethernet are:
  - Low-cost aggregation of uplinks from Gigabit edge switches
  - Edge switch stacking for easier management and resiliency
  - Low-latency interconnect switching for servers and network storage
  - Used as a foundation for virtualized applications in the server room

M5300 series intelligent switching solutions a Must

Successful 10 Gigabit Ethernet deployments require intelligent switching solutions with advanced features such as integrated security, high availability, delivery optimization, enhanced manageability, and support for new applications. Such solutions are most beneficial if they enable organizations to leverage their existing investments in network infrastructure. Key requirements include:

- High performance backbone links
  - In desktop switching environments, wire-speed performance with full QoS control for all 10/100/1000 interfaces is critical
  - Switches that provide flexibility through the use of 10 Gigabit Ethernet Combo ports simplify integration with existing copper or fiber cabling
- High level of redundancy
  - Distributed link aggregation, redundant links and sub-second failover capabilities are essential to minimize downtime
  - They largely increase network reliability and availability
- Stacking capability for network growth and reduced management
  - When switches function as a single stack, they are much easier to monitor and manage
  - Stacking also adds network resiliency and allows for easier network scaling

10 Gigabit Virtual Chassis hardware stacking technology and 10 Gigabit distributed link aggregation present an opportunity to scale both the entire network's performance and redundancy. M5300 series edge switches and servers benefit from greater bandwidth capacity with traditional active-active teaming (LACP–link aggregation control protocol) and load balancing. Stackable M5300 series switches allow for redundancy, distributing these multiple connections across the stack. The stack acts as a single logical switch and it's transparent for the server or the aggregation switch. Virtual Chassis stacking allows IT administrators to easily add more ports to their switch fabric, simplifying management and adding network resiliency.

True, Virtual Chassis Stacking

NETGEAR Virtual Chassis stacking technology provides resilient network architecture: up to 8 independent switches are consolidated around a single management IP address, which simplifies network operations. Up to 384 Gigabit ports and 16 available 10 Gigabit uplinks per virtual chassis for unparallel density at this price point.

Each 5300 series joins the Virtual Chassis architecture with a 48 Gbps switching stack interconnect: when 8 members in the stack, overall stacking "backplane" performance is 384 Gbps full duplex.

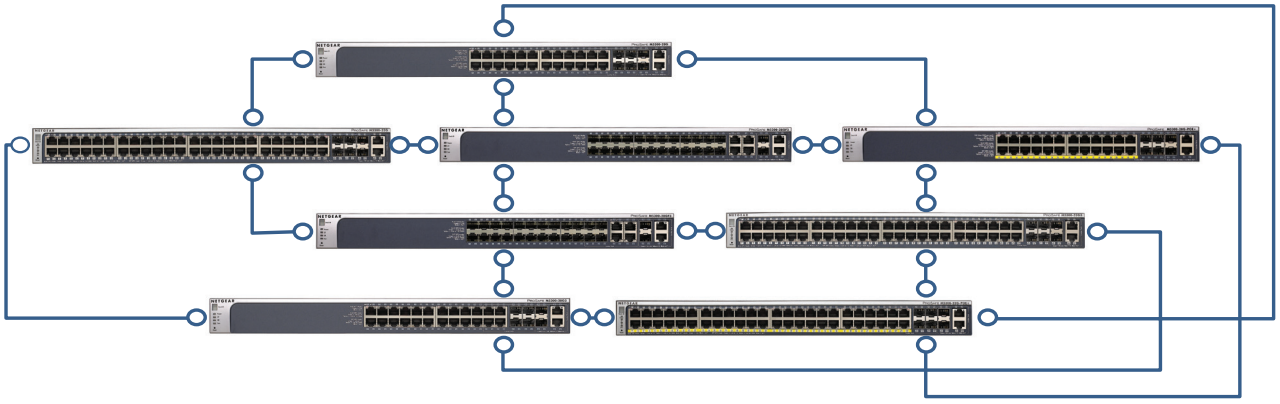
Within the stack, a switch is elected as the "Master": the master is responsible for the control plane and forwarding/routing tables for the stack members. As for a Chassis switch, the control plane and the management plane are unified but each switch performs its local, line-rate switching and routing.

Automatic Unit Replacement guarantees stack members' smooth replacement without manual reconfiguration. Stack master redundancy is also automatic with sub-second failover. As for a Chassis switch, VLAN tagging, port mirroring and link aggregation are available from every port to every port across the stack.

Virtual Chassis Stacking Technology

Full Mesh Topology

- In full mesh toplogy (4 ports 10GbE used per switch), each 5300 can join the Virtual Chassis architecture with a switching stack interconnect of up to 88 Gbps
  - Overall stacking "backplane" performance can scale up to 704 Gpbs



Virtual Chassis Stacking Technology

The stack acts as a single switch in the network

- One CLI and one web interface managing the virtual chassis
- The other switches in the network also "see" the stack as a virtual chassis
  - The virtual chassis has only one configuration file, and VLANs/LAGs/ Port mirroring are available across the member units as for "blades", similar to a typical modular chassis switch

NETGEAR Virtual Chassis stacking technology is flexible

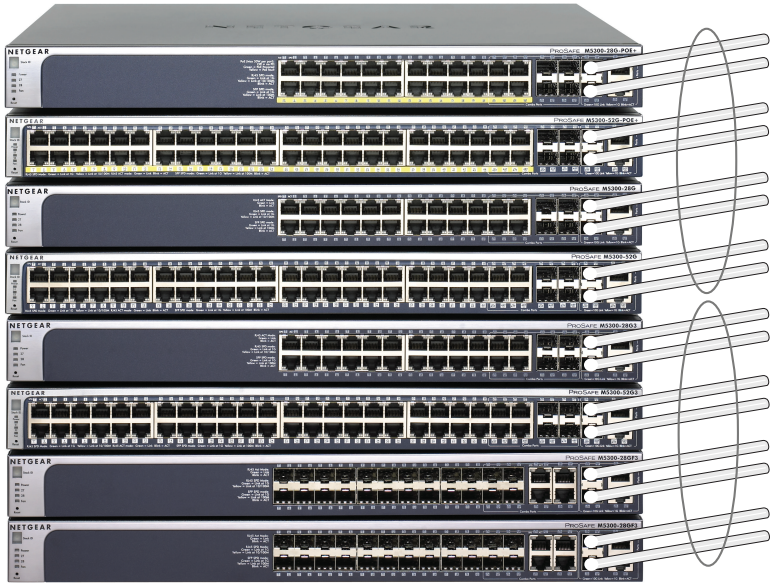
- M5300 series switches intelligently join the Virtual Chassis architecture with a 48Gbps switching stack interconnect, when using local AX742 stacking kits for dual ring topology
- 10 Gigabit copper (10GBase-T) and 10 Gigabit fiber (SFP+) are also available for distant M5300 series units – local and distant switches can join the same stack

NETGEAR Virtual Chassis stacking technology delivers a bi-directional, highly resilient topology

- Higher throughput capacity with lower latency and jitter for VoIP and Multicast traffic
- Each switch in the stack understands the shortest path to forward traffic, bi-directionally both up and down
- Dual ring architecture (or better) ensures that if a switch fails within the stack, all others switches can still communicate with one another
- Automatic Unit Replacement (AUR) guarantees stack member's replacement without even a stack reboot or manual configuration
- Stack master redundancy is also automatic: with sub-second failover, the secondary master will take over and become the new master without any significant network interruption for the clients

Virtual Chassis functionality

- Within the stack, a switch is elected as the "Master": the master is responsible for the control plane and forwarding/routing tables for the stack members
- Simultaneously, another switch is selected as the "Secondary Master" for sub-second failover in the unlikely event the "Master" fails



- "Master" and "Secondary Master" unit can be manually selected within the stack, although the process is completely automatic by default for convenience
- As for a Chassis switch, the data plane, the control plane and the management plane are unified but each switch performs its local, line-rate switching and routing
- As for a Chassis switch, VLAN tagging, port mirroring and link aggregation are available from every port to every port across the stack

- Distributed Link Aggregation
- Distributed trunking across the stack allows redundant uplinks without creating loops
  - LACP automatic load-balancing and port failover ensure greater bandwidth network layers and maximize redundancy without spanning tree
- Active-active connections radically improve performance for servers at the same time
- NETGEAR true Virtual Chassis Stacking technology delivers resiliency, simplicity and better performance throughout the entire network

M5300 Series Features

NETGEAR Next-Gen Edge M5300 series key features:

- 24 and 48 Gigabit models, 24 and 48 Gigabit PoE+ models up to full-power capacity, and one 24 Gigabit SFP fiber model
- Layer 2+ models with Layer 3 license upgrades available, or built-in Layer 3 models for the exact fit per application and best investment protection
- IPv4 routing in Layer 2+ package (static routing) and IPv4/IPv6 routing in Layer 3 package (dynamic routing)
- Enterprise-class L2/L3 tables with 32K MAC, 6K ARP/NDP, 4K VLANs, 12K route table size
- 4 or 24 uplink fiber (SFP) ports for Fast Ethernet or Gigabit optics
- 2 built-in uplink 10 Gigabit combo ports with either 10Gbase-T copper RJ45, or SFP+ fiber
- 2 additional uplink or stacking 10 Gigabit I/O bays for a large variety of modules and various 10 Gigabit installations
- Uplink capacity per switch is 4-port 10 Gigabit total, mixing 10GBase-T (RJ45), 10GBase-X (SFP+), 10GBase-CX4 (802.3ak) and 48 Gbps stacking ports

NETGEAR Next-Gen Edge M5300 series power and PoE+ features:

- 380W PoE+ budget built-in per switch and full PoE+ power budget capacity with external EPS
- Example: 96-port PoE+ in a 3 rack unit (RU) form factor and 30W power on all ports (2,880W budget) using two units M5300-52G-POE+ and one RPS4000
- Redundant power supply functionality with one hot-swap modular power supply
  - Optional single swith RPS option (RPS5412, one-to-one protection)
  - Optional four-switch RPS option (RPS4000, providing power backup up to four switches concurrently as for one-to-one mode)
  - Optional four-switch EPS option (RPS4000 in External Power Supply mode for PoE+ application of up to 2,880W PoE+ budget)

NETGEAR Next-Gen Edge M5300 series software features:

- Automatic multi-vendor Voice over IP prioritization based on SIP, H323 and SCCP protocol detection
- Voice VLAN and LLDP-MED for automatic IP phones QoS and VLAN configuration
- Multi-hop RP multicast PIM routing advanced implementation for resilient video deployments
- Advanced classifier-based hardware implementation for L2 (MAC), L3 (IP) and L4 (UDP/TCP transport ports) security and prioritization
- Innovative multi-vendor Auto-iSCSI capabilities for easier virtualization optimization

NETGEAR Next-Gen Edge M5300 series management features:

- DHCP/BootP innovative auto-installation including firmware and configuration file upload automation
- Industry standard SNMP, RMON, MIB, LLDP, AAA, sFlow and RSPAN implementation
- Selectable serial RS232 DB9 and Mini-USB port for management console
- Standard USB port for local storage, logs, configuration or image files
- Dual firmware image and configuration file for updates with minimum service interruption
- Industry standard command line interface (CLI) for IT admins used to other vendors commands
- Fully functional Web console (GUI) for IT admins who prefer an easy to use graphical interface
- Single-pane-of-glass NMS300 management platform with mass-configuration support

NETGEAR Next-Gen Edge M5300 series warranty and support:

- NETGEAR ProSAFE Lifetime Hardware Warranty*
- Included Lifetime Online Chat Technical Support
- Included Lifetime Next Business Day Hardware Replacement

Hardware at a Glance

	FRONT				REAR						
Model name	10/100/1000 Base-T RJ45 ports	100/1000X Fiber SFP ports	100/1000/ 10GBase-T RJ45 ports	1000/ 10GBase-X Fiber SFP+ ports	Additional 10 Gigabit I/O bays	Modular PSU (hot-swap when RPS)	RPS connector	PoE budget	Management console	Storage (image, config, log files)	Model number
M5300-28G	24	4 (shared)	2 built-in	2 (shared) built-in	2 modules	1 (APS135W)	1 (RPS)	-	1 x RS232 DB9, 1 x Mini-USB (selectable)	1 x USB	GSM7228S v1h1
M5300-52G	48	4 (shared)				1 (APS135W)	1 (RPS)	-			GSM7252S v1h1
M5300-28G-POE+	24 PoE+ 380W	4 (shared)				1 (APS525W)	1 (RPS or EPS)	Up to 720W (EPS)			GSM7228PS v1h2
M5300-52G-POE+	48 PoE+ 380W	4 (shared)				1 (APS525W)	1 (RPS or EPS)	Up to 1,440W (EPS)			GSM7252PS v1h2
M5300-28GF3	4 (shared)	24				1 (APS135W)	1 (RPS)	-			GSM7328FS v2h1
M5300-28G3	24	4 (shared)				1 (APS135W)	1 (RPS)	-			GSM7328S v2h2
M5300-52G3	48	4 (shared)				1 (APS135W)	1 (RPS)	-			GSM7352S v2h2

M5300-28G is a "24 + 4x10GbE" version, Layer 2+ (Upgradeable to Layer 3)

M5300-52G is a "48 + 4x10GbE" version, Layer 2+ (Upgradeable to Layer 3)

M5300-28G-POE+ is a "24 + 4x10GbE" version, Layer 2+ (Upgradeable to Layer 3). All ports PoE+.

M5300-48G-PoE+ is a "48 + 4x10GbE" version, Layer 2+ (Upgradeable to Layer 3). All ports PoE+.

- M5300 series rear view with two I/O bays; RPS connector
- Management ports (DB9, mini-USB); storage port (USB)
- Each M5300 series ships with its installed modular PSU
- Spare PSU units are available for hot swap HA with RPS
- External Power Supply (EPS) available for PoE+ versions

M5300-28GF3 is a "24 fiber + 4x10GbE" version, Layer 3

M5300-28G3 is a "24 + 4x10GbE" version, Layer 3

M5300-52G3 is a "48 + 4x10GbE" version, Layer 3

Software at a Glance

	LAYER 2+ PACKAGE						LAYER 3 PACKAGE				
Model name	IPv4/IPv6 ACL and QoS	IPv4/ IPv6 Multicast filtering	Auto-VoIP Auto-iSCSI	VLANs	Convergence	IPv4 Static Routing	IPv6 Static Routing	IPv4 Dynamic Routing	IPv6 Dynamic Routing	IPv4/IPv6 Multicast Routing	Model number
M5300-28G	L2, L3, L4, time-based, ingress, egress, 1 Kbps	IGMP amd MLD Snooping, Querier mode, MVR	Yes	Static, Dynamic, Voice, MAC, Subnet, Protocol-based, QinQ, Private VLANs	LLDP-MED, RADIUS, 802.1X, PoE timer	Yes (Port-based, Subnet, VLANs, Loopback)	Layer 3 licence upgrade: GSM7228L-10000S				GSM7228S v1h1
M5300-52G							Layer 3 licence upgrade: GSM7252L-10000S				GSM7252S v1h1
M5300-28G-POE+							Layer 3 licence upgrade: GSM7228PL-10000S				GSM7228PS v1h2
M5300-52G-POE+							Layer 3 licence upgrade: GSM7252PL-10000S				GSM7252PS v1h2
M5300-28GF3							Yes (Port-based, Subnet, VLANs)	RIP, OSPF, VRRP, ECMP, Proxy ARP, Multinetting	OSPFv3 Configured 6to4 Automatic 6to4	Static routes, PIM-SM, PIM-DM	GSM7328FS v2h1
M5300-28G3											GSM7328S v2h2
M5300-52G3											GSM7352S v2h2

Performance at a Glance

	TABLE SIZE										
Model name	Packet buffer	CPU	ACLs	MAC ARP/NDP VLANs DHCP server	Number of Routes (IPv4/IPv6)	RIP/OSPF application route scaling	Static Routes	Multicast IGMP Group membership	IP Multicast Forwarding Entries	sFlow	Model number
M5300-28G	16 Mb	800Mhz 512M RAM 128M Flash	100 ACLs 16,384 rules ingress, egress	32K MAC 6K ARP/NDP VLANs: 4K DHCP: 16 pools 1,024 max leases	L3 route table size: 12,256	RIP: 512 OSPF: 12,256	512 IPv4 512 IPv6	2K IPv4 2K IPv6	1K IPv4 or 512 IPv4 256 IPv6	32 samplers 52 pollers 8 receivers	GSM7228S v1h1
M5300-52G	32 Mb										GSM7252S v1h1
M5300-28G-POE+	16 Mb										GSM7228PS v1h2
M5300-52G-POE+	32 Mb										GSM7252PS v1h2
M5300-28GF3	16 Mb										GSM7328FS v2h1
M5300-28G3	16 Mb										GSM7328S v2h2
M5300-52G3	32 Mb										GSM7352S v2h2

Accessories

RPS4000
RPS/EPS unit for up to 4 concurrent switches

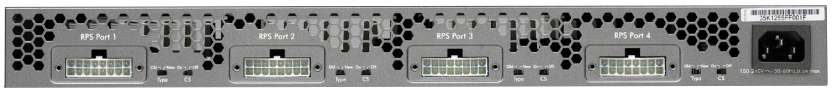
Ordering information

- Americas, Europe: RPS4000-200NES
- Asia Pacific: RPS4000-200AJS
- Warranty: 5 years

- RPS mode: provide power backup for up to four switches concurrently
  - With same level of protection as with four dedicated, "one-to-one" RPS units
- EPS mode: provide supplemental PoE power up to four switches concurrently
  - Up to 2,880W shared PoE+ budget
  - When in EPS mode, RPS4000 supersedes each switch main PSU
  - Switch main PSU system power reverts to redundant power supply (RPS) function

Front view

- RPS4000 is 1RU unit with four (4) empty slots
- Power modules (APS1000W) are sold separately
- APS1000W requirement depends on RPS, EPS, PoE application



Rear view

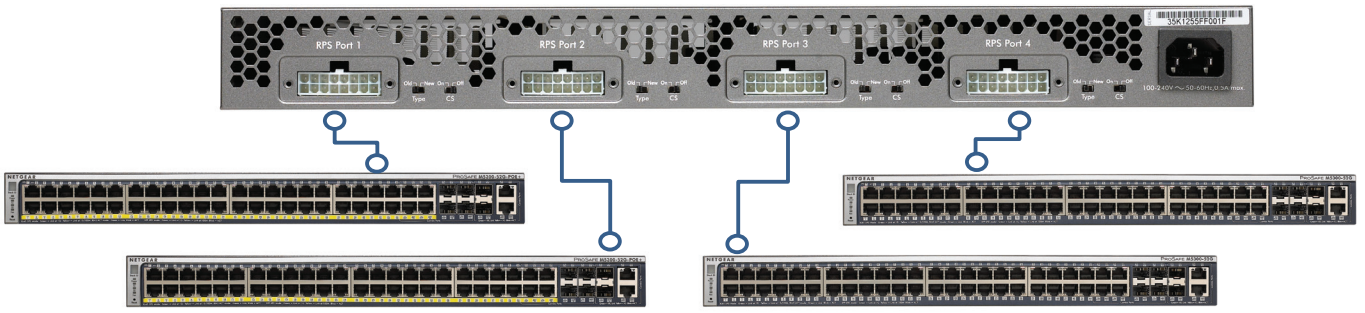
- Four (4) embedded RPS connectors
- Switch selectors for RPS/EPS power modes
- Switch selectors for power modules two-by-two bridging

Included:

- Four (4) RPS cables - 60cm each (~2 ft)
- Rack mount kit
- Power cord

Accessories

Number of APS1000W	1 POWER MODULE	2 POWER MODULES	3 POWER MODULES	4 POWER MODULES
RPS mode (Redundant Power Supply)	Up to 4 switches (non-PoE versions) M5300-28G or M5300-52G or M5300-28GF3 or M5300-28G3 or M5300-52G3 Complete protection 12V system power Or: Up to 2 switches (PoE versions) M5300-28G-PoE+ or M5300-52G-POE+	Up to 4 switches (PoE versions) M5300-28G-PoE+ or M5300-52G-POE+ Complete protection 12V system power and -56V PoE power	Up to 4 switches (PoE versions) M5300-28G-PoE+ or M5300-52G-POE+ Complete protection 12V system power and -56V PoE power	4 switches (PoE versions) M5300-28G-PoE+ or M5300-52G-POE+ Complete protection 12V system power and -56V PoE power
EPS mode (External Power Supply)	720W PoE budget available (total) for up to 2 switches (PoE versions) M5300-28G-PoE+ or M5300-52G-POE+	1,440W PoE budget available (total) for up to 2 switches (PoE versions) M5300-28G-PoE+ or M5300-52G-POE+	2,160W PoE budget available (total) for up to 4 switches (PoE versions) M5300-28G-PoE+ or M5300-52G-POE+	2,880W PoE budget available (total) for up to 4 switches (PoE versions) M5300-28G-PoE+ or M5300-52G-POE+
Example for PoE applications: (802.3af full power)	One M5300-52G-PoE+ providing 720W 48 ports full power 802.3af PoE	Two M5300-52G-PoE+ providing 720W each 96 ports full power 802.3af PoE	Three M5300-52G-PoE+ providing 720W each 144 ports full power 802.3af PoE	Four M5300-52G-PoE+ providing 720W each 192 ports full power 802.3af PoE
Example for PoE+ applications: (802.3at full power)	One M5300-28G-PoE+ (24 ports) providing 720W 24 ports full power 802.3at PoE+	One M5300-52G-PoE+ (48 ports) providing 1,440W 48 ports full power 802.3at PoE+	One M5300-28G-PoE+ providing 720W One M5300-52G-PoE+ providing 1,440W 72 ports full power 802.3at PoE+	Two M5300-52G-PoE+ providing 1,440W each 96 ports full power 802.3at PoE+



Accessories

APS1000W
Power Module for RPS4000

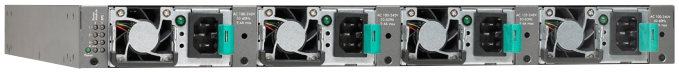
Ordering information

- Americas, Europe: APS1000W-100NES
- Asia Pacific: APS1000W-100AJS
- Warranty: 5 years

Capacity:

- 110V-240V AC power input
- Up to 960W DC 12V output power for up to 4 switches (RPS)
- Up to 720W DC -56V PoE budget output power for up to 2 PoE switches (EPS)

Inserting one APS1000Win RPS4000 power slot #1 (front view)



RPS4000 equipped with 4 APS1000W power modules (front view)

RPS5412
RPS unit for 1 switch by Optimal Power®

Ordering information

- Americas: RPS5412-100NAS
- Europe: RPS5412-100EUS
- Asia Pacific: RPS5412-100AJS
- Warranty: 3 years

- Optimal Power® RPS unit certified by NETGEAR for M4100 series
- Includes the RPS cable for the switch RPS connector
- Provides seemless "one-to-one" redundant power to the Switch
- 56V DC power limited to 308W (maximum PoE budget)

Modular PSUs for M5300 series

APS135W
Modular Power Supply

Ordering information

- Worldwide: APS135W-10000S
- Warranty: 5 years

- PSU unit for M5300 series non-PoE switches
  - M5300-28G
  - M5300-52G
  - M5300-28GF3
  - M5300-28G3
  - M5300-52G3
- Hot swap replacement when the switch is powered by an RPS unit

APS525W
Modular Power Supply

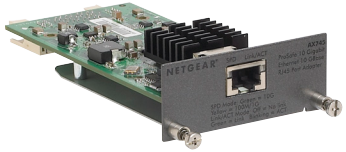
Ordering information

- Worldwide: APS525W-10000S
- Warranty: 5 years

- PSU unit for M5300 series POE switches
  - M5300-28G-POE+
  - M5300-52G-POE+
- Hot swap replacement when the switch is powered by an RPS unit

Accessories

I/O Modules for M5300 series rear bays

AX742 v1h3 **24/48 Gbps Stacking Kit** Ordering information • Worldwide: AX742 • Warranty: 5 years		• AX742 is a bundle: 2 CX4 I/O modules AX744 + 1 stacking CX4 cable (1m - 3.3 ft) • One AX742 Stacking Kit per switch is required for dual ring topology • Each module half-duplex speed is 12 Gbps (24 Gbps full duplex) with 1m cable • Dual ring stacking interconnect is 48 Gbps per switch (384 Gbps per stack) – When one AX742 kit per switch (two modules) • Longer version of the stacking cable is available as an option (AXC743)
AX743 **SFP+ I/O Module** Ordering information • Worldwide: AX743-10000S • Warranty: 5 years		• 1 port 10 Gigabit SFP+ for M5300 series rear I/O bays • Compliant with 10-GbE SFP+ fiber optics (GBICs) MSA • Supports passive Direct Attach copper cables (10GSFP+Cu) • Allows for distant (fiber) stacking or uplinks
AX745 **10GBase-T I/O Module** Ordering information • Worldwide: AX745-10000S • Warranty: 5 years		• 1 port 10 Gigabit RJ45 for M5300 series rear I/O bays • Compliant with 10GBase-T (IEEE 802.3an-2006) standard • Supports 100Mbps, 1000Mbps speeds • Supports 10GbE speed up to 100m (328 ft) with Cat6A RJ45 or better • Supports 10GbE speed up to 30m (98 ft) with legacy Cat6 RJ45 • Allows for local (copper) stacking or uplinks

Accessories

GBIC SFP Optics for M5300 series

ORDERING INFORMATION WORLDWIDE: SEE TABLE BELOW WARRANTY: 5 YEARS	Multimode Fiber (MMF)		Single mode Fiber (SMF)
	OM1 or OM2 62.5/125µm	OM3 or OM4 50/125µm	9/125µm
10 Gigabit SFP+  • Fits into M5300 series built-in SFP+ interfaces (front) • Fits into AX743 I/O modules SFP+ interface (rear)	**AXM763** 10GBase-LRM long reach multimode 802.3aq - LC duplex connector up to 220m (722 ft) **AXM763-10000S (1 unit)**	**AXM763** 10GBase-LRM long reach multimode 802.3aq - LC duplex connector up to 260m (853 ft) **AXM763-10000S (1 unit)** **AXM761** 10GBase-SR short reach multimode LC duplex connector OM3: up to 300m (984 ft) OM4: up to 550m (1,804 ft) **AXM761-10000S (1 unit)** **AXM761P10-10000S (pack of 10 units)**	**AXM762** 10GBase-LR long reach single mode LC duplex connector up to 10km (6.2 miles) **AXM762-10000S (1 unit)** **AXM762P10-10000S (pack of 10 units)** **AXM764** 10GBase-LR LITE single mode LC duplex connector up to 2km (1.2 mile) **AXM764-10000S (1 unit)**
Gigabit SFP  • Fits into M5300 series SFP interfaces (front)	**AGM731F** 1000Base-SX short range multimode LC duplex connector up to 275m (902 ft) **AGM731F (1 unit)**	**AGM731F** 1000Base-SX short range multimode LC duplex connector OM3: up to 550m (1,804 ft) OM4: up to 1,000m (3,280 ft) **AGM731F (1 unit)**	**AGM732F** 1000Base-LX long range single mode LC duplex connector up to 10km (6.2 miles)) **AGM732F (1 unit)**
Fast Ethernet SFP  • Fits into M5300 series SFP interfaces (front)	**AFM735** 100Base-FX IEEE 802.3 LC duplex connector up to 2km (1.24 miles) **AFM735-10000S (1 unit)**	**AFM735** 100Base-FX IEEE 802.3 LC duplex connector up to 2km (1.24 miles) **AFM735-10000S (1 unit)**	

AGM734
1000Base-T Gigabit RJ45 SFP

Ordering information
- Worldwide: AX745-10000S
- Warranty: 5 years

- 1 port Gigabit RJ45 for M5300-28GF3 (SFP ports)
- Supports only 1000Mbps full-duplex mode
- Up to 100m (328 ft) with Cat5 RJ45 or better
- Conveniently adds copper connectivity density to M5300-28GF3 fiber switch

NETGEAR®

* This product comes with a limited warranty that is valid only if purchased from a NETGEAR authorized reseller and modifications to product may void the warranty; covers hardware, fans and internal power supplies - not software or external power supplies See http://www.netgear.com/about/warranty/ for details. Lifetime technical support includes basic phone support for 90 days from purchase date and lifetime online chat support when purchased from a NETGEAR authorized reseller.