



The NETGEAR M4350 series is a versatile 1G, 2.5G, 10G, 25G, and 100G solution designed for the edge, the server room, and the core. M4350 delivers nonstop forwarding stacking, spine and leaf, edge to core connectivity for AV and IT networks. In AV environments, the AV User Interface, Engage Controller and AV profiles are certified by 200+ AV manufacturers.

**NETGEAR M4350 series key features:**

- Ranges from 1G to 100G with a variety of PoE+ and Ultra90 PoE++ options for 15.4W, 30W, 60W, 75W and 90W AVoIP endpoints
- Non-stop forwarding (NSF) provides advanced High Availability (HA) with hitless failover across the stack
- Entire feature set (L2 switching, L3 dynamic routing, time sensitive networking, AVB) available without license
- Low acoustics, half-width 16-port and 24-port 10G models can be paired in a single rack space for redundant Top of Rack
- For the IT team, only one platform from the edge to the core, one software to standardize on
- Redundant modular power supplies contribute to business continuity management
- Layer 3 feature set includes static and policy-based routing, RIP, VRRP, OSPF, and PIM dynamic routing
- No need for tradeoffs anymore between performance, reliability, HA, features, scale, futureproofing, complexity, or cost

- Front to back cooling, always within 40cm (15.7in) depth and controlled thermal and acoustics
- Intelligent fans configurable in Quiet Mode to minimize noise, or Cool Mode to minimize heat

**NETGEAR M4350 series AV software features:**

- Designed for the most demanding AV over IP installations of up to thousands of endpoints
- AV-centric User Interface allows for simple, profile-based, per-port configuration in a snap
- Works out of the box with automatic, multi-switch configuration for most AV-over-IP installs
- All the simplicity of the M4250 AV Line packed in more Enterprise-class hardware with redundant power supplies and larger fabrics with 25G and 100G uplinks
- Less time to install and configure using the NETGEAR Engage™ Controller
- SMPTE ST 2110 supported on select models, always with the same simplicity from the AV UI

## AV and IT Managed Switches

- NETGEAR IGMP Plus™ means AV-over-IP multicasting will work out of the box and not flood your network
- With Auto-Trunk and Auto-LAG, simply connect M4350 switches together and you are done!

### NETGEAR M4350 series other software features:

- Static, RIP and PIM-SM, DM and SSM multicast routing, DHCP Server and PTPv2 Transparent Clock (1-step E2E)
- Advanced classifier-based, time-based hardware implementation for L2 (MAC), L3 (IP) and L4 (UDP/TCP transport ports) security and prioritization
- Selectable Port-Channel / LAG (802.3ad - 802.1AX) L2/L3/L4 hashing for fault tolerance and load sharing with any type of Ethernet channeling
- Voice VLAN with SIP, H323 and SCCP protocols detection and LLDP-MED IP phones automatic QoS and VLAN configuration
- Efficient authentication tiering with successive DOT1X, MAB and Captive Portal methods for streamlined BYOD
- Advanced IPv4/IPv6 security implementation including malicious code detection, DHCP Snooping, IP Source Guard protection and DoS attacks mitigation

### NETGEAR M4350 series management features:

- DHCP/BootP innovative auto-installation including firmware and configuration file upload automation
- Industry standard SNMP, RMON, MIB, LLDP, AAA, sFlow, RSPAN and PTPv2

- Service port for out-of-band Ethernet management (OOB)
- USB Type-C port for local management console (unique NETGEAR driver for M4250/M4350)
- Standard USB-A ports for local storage, logs, configuration or image files
- Industry standard command line interface (CLI) for IT admins used to other vendors commands
- Fully functional Web console (main GUI) for IT admins who prefer an easy to use graphical interface
- Dedicated AV web-based GUI interface for AV installations

### NETGEAR M4350 series warranty and support:

- NETGEAR ProSAFE Limited Lifetime Hardware Warranty\*\*
- Included Lifetime Technical Support
- Included Lifetime Next Business Day Hardware Replacement
- Offering free network design services and installation support, the NETGEAR Engineering Services Team is ready to help ensure your 1G deployments with the M4350 switches go as smooth as possible. Just drop us an email at [ProAVDesign@netgear.com](mailto:ProAVDesign@netgear.com) to get started!



## Hardware-at-a-Glance

Model Name	Form-Factor	Switching Fabric	FRONT						REAR			MANAGEMENT	Model Number	
			1000BASE-T RJ45 ports	2.5GBASE-T RJ45 ports	10GBASE-T RJ45 ports	10GBASE-X SFP+ ports	25GBASE-X SFP28 ports	100GBASE-X QSFP28 ports	Internal PSU	Modular PSU Bays	Fans	Out-of-band Console		
<b>M4350-24G4XF</b>	<b>Full width</b> 1U rack mount 440x43.2x400mm	128 Gbps	<b>24 ports PoE+</b> 10M; 100M; 1G 648W (base) up to 720W	-	-	<b>4 ports</b> 1G; 10G	-	-	<b>1 x Fixed</b> 880W (C14) On/Off switch	1 slot	Fixed Front-to-back	Ethernet: Out-of-band 1G port (Back)	<b>GSM4328</b>	
<b>M4350-48G4XF</b>	<b>Full width</b> 1U rack mount 440x43.2x400mm	176 Gbps	<b>48 ports PoE+</b> 10M; 100M; 1G 236W (base) up to 1,440W	-	-	<b>4 ports</b> 1G; 10G	-	-	<b>1 x Fixed</b> 550W (C14) On/Off switch	2 slots			<b>GSM4352</b>	
<b>M4350-44M4X4V</b>	<b>Full width</b> 1U rack mount 440x43.2x400mm	500 Gbps	-	<b>44 ports PoE++***</b> 100M; 1G; 2.5G <--- 194W (base), up to 3,314W ---->	<b>4 ports PoE++***</b> 100M; 1G; 2.5G; 5G; 10G	-	<b>4 ports</b> 1G; 10G; 25G (Ethernet Mode*) (Stacking: 25G**)	-	<b>1 x Fixed</b> 550W (C14) On/Off switch	2 slots			<b>MSM4352</b>	
<b>M4350-8X8F</b>	<b>Half-width</b> 1- or 2-unit 1U rack mount 220x43.2x400mm	320 Gbps	-	-	<b>8 ports</b> 100M; 1G; 2.5G; 5G; 10G	<b>8 ports</b> 1G; 10G	-	-	<b>1 x Fixed</b> 240W (C14) On/Off switch	-			Console: USB-C (Front)	<b>XSM4316</b>
<b>M4350-12X12F</b>	<b>Half-width</b> 1- or 2-unit 1U rack mount 220x43.2x400mm	480 Gbps	-	-	<b>12 ports</b> 100M; 1G; 2.5G; 5G; 10G	<b>12 ports</b> 1G; 10G	-	-	<b>1 x Fixed</b> 240W (C14) On/Off switch	-			Storage: 2 x USB-A (Back)	<b>XSM4324</b>
<b>M4350-24X4V</b>	<b>Full width</b> 1U rack mount 440x43.2x400mm	680 Gbps	-	-	<b>24 ports PoE+</b> 100M; 1G; 2.5G; 5G; 10G 576W (base), up to 720W	-	<b>4 ports</b> 1G; 10G; 25G (Ethernet Mode*) (Stacking: 25G**)	-	<b>1 x Fixed</b> 880W (C14) On/Off switch	1 slot			<b>XSM4328CV</b>	
<b>M4350-24F4V</b>	<b>Full width</b> 1U rack mount 440x43.2x400mm	680 Gbps	-	-	-	<b>24 ports</b> 1G; 10G	<b>4 ports</b> 1G; 10G; 25G (Ethernet Mode*) (Stacking: 25G**)	-	<b>1 x Fixed</b> 240W (C14) On/Off switch	1 slot			<b>XSM4328FV</b>	

\* ETHERNET Mode: Each 4 x 25G block is connected to a 100G SERDES. As such, each 4-port block can only work at the same speed: 4x1G, or 4x10G, or 4x25G. Since 25G takes precedence, when one 25G module is inserted, other ports with 1G or 10G modules get down in the same 4-port block.

\*\* STACKING Mode: Stacking link only works on the highest speed supported by a Stack port. A 25G port, when configured in Stack mode, only operates at 25G. It cannot operate at 10G. Similarly, a 100G port, when configured in Stack mode, only operates at 100G.

\*\*\* Ultra90 PoE++ 802.3bt is compatible with 802.3af PoE (15.4W), 802.3at PoE+ (30W) and 802.3bt (60W, 75W and 90W).

### Hardware-at-a-Glance

Model Name	Form-Factor	Switching Fabric	FRONT						REAR			MANAGEMENT	Model Number
			1000BASE-T RJ45 ports	2.5GBASE-T RJ45 ports	10GBASE-T RJ45 ports	10GBASE-X SFP+ ports	25GBASE-X SFP28 ports	100GBASE-X QSFP28 ports	Internal PSU	Modular PSU Bays	Fans	Out-of-band Console	
<b>M4350-36X4V</b>	<b>Full width</b> 1U rack mount 440x43.2x400mm	920 Gbps	-	-	<b>36 ports PoE+****</b> 100M; 1G; 2.5G; 5G; 10G 280W (base), up to 1,760W	-	<b>4 ports</b> 1G; 10G; 25G (Ethernet Mode*) (Stacking: 25G**)	-	<b>1 x Fixed</b> 750W (C14) On/Off switch	1 slot	Fixed Front-to-back	Ethernet: Out-of-band 1G port (Back)	<b>XSM4340CV</b>
<b>M4350-24X8F8V</b>	<b>Full width</b> 1U rack mount 440x43.2x400mm	1.04 Tbps	-	-	<b>24 ports PoE+****</b> 100M; 1G; 2.5G; 5G; 10G 290W (base), up to 1,770W	<b>8 ports</b> 1G; 10G	<b>8 ports</b> 1G; 10G; 25G (Ethernet Mode*) (Stacking: 25G**)	-	<b>1 x Fixed</b> 750W (C14) On/Off switch	1 slot			<b>XSM4340V</b>
<b>M4350-32F8V</b>	<b>Full width</b> 1U rack mount 440x43.2x400mm	1.04 Tbps	-	-	-	<b>32 ports</b> 1G; 10G	<b>8 ports</b> 1G; 10G; 25G (Ethernet Mode*) (Stacking: 25G**)	<b>1 x Fixed</b> 420W (C14) On/Off switch	1 slot	<b>XSM4340FV</b>			
<b>M4350-16V4C</b>	<b>Full width</b> 1U rack mount 440x43.2x400mm	1.6 Tbps	-	-	-	-	<b>16 ports</b> 1G; 10G; 25G (Ethernet Mode*) (Stacking: 25G**)	4 ports 40G; 100G (Stacking: 100G**)	<b>1 x Fixed</b> 420W (C14) On/Off switch	1 slot		Storage: 2 x USB-A (Back)	<b>VSM4320C</b>
<b>M4350-40X4C</b>	<b>Full width</b> 1U rack mount 440x43.2x400mm	1.6 Tbps	-	-	<b>40 ports PoE+****</b> 100M; 1G; 2.5G; 5G; 10G 196W (base), up to 1,676W	-	-	4 ports 40G; 100G (Stacking: 100G**)	<b>1 x Fixed</b> 750W (C14) On/Off switch	1 slot		<b>XSM4344C</b>	

\* ETHERNET Mode: Each 4 x 25G block is connected to a 100G SERDES. As such, each 4-port block can only work at the same speed: 4x1G, or 4x10G, or 4x25G. Since 25G takes precedence, when one 25G module is inserted, other ports with 1G or 10G modules get down in the same 4-port block.

\*\* STACKING Mode: Stacking link only works on the highest speed supported by a Stack port. A 25G port, when configured in Stack mode, only operates at 25G. It cannot operate at 10G. Similarly, a 100G port, when configured in Stack mode, only operates at 100G.

\*\*\* Ultra90 PoE+ 802.3bt is compatible with 802.3af PoE (15.4W), 802.3at PoE+ (30W) and 802.3bt (60W, 75W and 90W).



## RPS+EPS Wattages\*-at-a-Glance

Model Name	Internal PSU	Modular PSUs		Switch Operational Without PoE?	Available PoE Budget	Model Number	Model Name	Internal PSU	Modular PSUs		Switch Operational Without PoE?	Available PoE Budget	Model Number
		PSU Slot 1	PSU Slot 2						PSU Slot 1	PSU Slot 2			
<b>M4350-24G4XF</b>	880W - Connected	Disconnected	-	Yes	648W	<b>GSM4328</b>	<b>M4350-48G4XF</b>	550W - Connected	Disconnected	Disconnected	Yes	236W	<b>GSM4352</b>
	880W - Connected	APS350W	-	Yes	720W			550W - Connected	APS350W	Disconnected	Yes	436W	
	Disconnected	APS350W	-	Yes	218W			Disconnected	APS350W	Disconnected	Yes	186W	
	880W - Connected	APS600Wv2	-	Yes	720W			550W - Connected	APS600Wv2	Disconnected	Yes	636W	
	Disconnected	APS600Wv2	-	Yes	468W			Disconnected	APS600Wv2	Disconnected	Yes	436W	
	880W - Connected	APS920W	-	Yes	720W			550W - Connected	APS920W	Disconnected	Yes	892W	
	Disconnected	APS920W	-	Yes	720W			Disconnected	APS920W	Disconnected	Yes	756W	
	880W - Connected	APS2000W 110VAC	-	Yes	720W			550W - Connected	APS2000W 110VAC	Disconnected	Yes	956W	
	Disconnected	APS2000W 110VAC	-	Yes	720W			Disconnected	APS2000W 110VAC	Disconnected	Yes	836W	
	880W - Connected	APS2000W 220VAC	-	Yes	720W			550W - Connected	APS2000W 220VAC	Disconnected	Yes	1,440W	
Disconnected	APS2000W 220VAC	-	Yes	720W	Disconnected	APS2000W 220VAC	Disconnected	Yes	1,440W				
<b>M4350-48G4XF</b>	550W - Connected	Disconnected	Disconnected	Yes	236W	<b>GSM4352</b>	<b>M4350-44M4X4V</b>	550W - Connected	Disconnected	Disconnected	Yes	194W	<b>MSM4352</b>
	550W - Connected	APS350W	APS350W	Yes	716W			550W - Connected	APS350W	Disconnected	Yes	394W	
	Disconnected	APS350W	APS350W	Yes	396W			Disconnected	APS350W	Disconnected	Yes	144W	
	550W - Connected	APS600Wv2	APS600Wv2	Yes	1,116W			550W - Connected	APS600Wv2	Disconnected	Yes	594W	
	Disconnected	APS600Wv2	APS600Wv2	Yes	796W			Disconnected	APS600Wv2	Disconnected	Yes	394W	
	550W - Connected	APS920W	APS920W	Yes	1,440W			550W - Connected	APS920W	Disconnected	Yes	850W	
	Disconnected	APS920W	APS920W	Yes	1,308W			Disconnected	APS920W	Disconnected	Yes	714W	
	550W - Connected	APS2000W 110VAC	APS2000W 110VAC	Yes	1,440W			550W - Connected	APS2000W 110VAC	Disconnected	Yes	914W	
	Disconnected	APS2000W 110VAC	APS2000W 110VAC	Yes	1,436W			Disconnected	APS2000W 110VAC	Disconnected	Yes	794W	
	550W - Connected	APS2000W 220VAC	APS2000W 220VAC	Yes	1,440W			550W - Connected	APS2000W 220VAC	Disconnected	Yes	1,786W	
Disconnected	APS2000W 220VAC	APS2000W 220VAC	Yes	1,440W	Disconnected	APS2000W 220VAC	Disconnected	Yes	1,694W				
<b>M4350-44M4X4V</b>	550W - Connected	Disconnected	Disconnected	Yes	194W	<b>MSM4352</b>	<b>M4350-24X4V</b>	880W - Connected	Disconnected	-	Yes	576W	<b>XSM4328CV</b>
	550W - Connected	APS350W	APS350W	Yes	674W			880W - Connected	APS350W	-	Yes	700W	
	Disconnected	APS350W	APS350W	Yes	354W			Disconnected	APS350W	-	Yes	146W	
	550W - Connected	APS600Wv2	APS600Wv2	Yes	1,074W			880W - Connected	APS600Wv2	-	Yes	720W	
	Disconnected	APS600Wv2	APS600Wv2	Yes	754W			Disconnected	APS600Wv2	-	Yes	396W	
	550W - Connected	APS920W	APS920W	Yes	1,586W			880W - Connected	APS920W	-	Yes	720W	
	Disconnected	APS920W	APS920W	Yes	1,266W			Disconnected	APS920W	-	Yes	716W	
	550W - Connected	APS2000W 110VAC	APS2000W 110VAC	Yes	1,714W			880W - Connected	APS2000W 110VAC	-	Yes	720W	
	Disconnected	APS2000W 110VAC	APS2000W 110VAC	Yes	1,394W			Disconnected	APS2000W 110VAC	-	Yes	720W	
	550W - Connected	APS2000W 220VAC	APS2000W 220VAC	Yes	3,314W			880W - Connected	APS2000W 220VAC	-	Yes	720W	
Disconnected	APS2000W 220VAC	APS2000W 220VAC	Yes	2,994W	Disconnected	APS2000W 220VAC	-	Yes	720W				

## RPS+EPS Wattages\*-at-a-Glance

Model Name	Internal PSU	Modular PSUs		Switch Operational Without PoE?	Available PoE Budget	Model Number	Model Name	Internal PSU	Modular PSUs		Switch Operational Without PoE?	Available PoE Budget	Model Number
		PSU Slot 1	PSU Slot 2						PSU Slot 1	PSU Slot 2			
<b>M4350-24F4V</b>	240W - Connected	Disconnected	-	Yes	-	<b>XSM4328FV</b>	<b>M4350-36X4V</b>	750W - Connected	Disconnected	-	Yes	280W	<b>XSM4340CV</b>
	240W - Connected	APS350W	-	Yes	-			750W - Connected	APS600Wv3	-	Yes	640W	
	Disconnected	APS350W	-	Yes	-			Disconnected	APS600Wv3	-	Yes	280W	
	240W - Connected	APS600Wv2	-	Yes	-			750W - Connected	APS1200Wv2 110VAC	-	Yes	960W	
	Disconnected	APS600Wv2	-	Yes	-			Disconnected	APS1200Wv2 110VAC	-	Yes	680W	
	240W - Connected	APS920W	-	Yes	-			750W - Connected	APS1200Wv2 220VAC	-	Yes	1,120W	
	Disconnected	APS920W	-	Yes	-			Disconnected	APS1200Wv2 220VAC	-	Yes	880W	
	240W - Connected	APS2000W 110VAC	-	Yes	-			750W - Connected	APS2000Wv2 110VAC	-	Yes	960W	
	Disconnected	APS2000W 110VAC	-	Yes	-			Disconnected	APS2000Wv2 110VAC	-	Yes	680W	
	240W - Connected	APS2000W 220VAC	-	Yes	-			750W - Connected	APS2000Wv2 220VAC	-	Yes	1,760W	
Disconnected	APS2000W 220VAC	-	Yes	-	Disconnected	APS2000Wv2 220VAC	-	Yes	1,680W				
<b>M4350-24X8F8V</b>	750W - Connected	Disconnected	-	Yes	290W	<b>XSM4340V</b>	<b>M4350-32F8V</b>	420W - Connected	Disconnected	-	Yes	-	<b>XSM4340FV</b>
	750W - Connected	APS600Wv3	-	Yes	650W			420W - Connected	APS600Wv3	-	Yes	-	
	Disconnected	APS600Wv3	-	Yes	290W			Disconnected	APS600Wv3	-	Yes	-	
	750W - Connected	APS1200Wv2 110VAC	-	Yes	970W			420W - Connected	APS1200Wv2 110VAC	-	Yes	-	
	Disconnected	APS1200Wv2 110VAC	-	Yes	690W			Disconnected	APS1200Wv2 110VAC	-	Yes	-	
	750W - Connected	APS1200Wv2 220VAC	-	Yes	1,130W			420W - Connected	APS1200Wv2 220VAC	-	Yes	-	
	Disconnected	APS1200Wv2 220VAC	-	Yes	890W			Disconnected	APS1200Wv2 220VAC	-	Yes	-	
	750W - Connected	APS2000Wv2 110VAC	-	Yes	970W			420W - Connected	APS2000Wv2 110VAC	-	Yes	-	
	Disconnected	APS2000Wv2 110VAC	-	Yes	690W			Disconnected	APS2000Wv2 110VAC	-	Yes	-	
	750W - Connected	APS2000Wv2 220VAC	-	Yes	1,770W			420W - Connected	APS2000Wv2 220VAC	-	Yes	-	
Disconnected	APS2000Wv2 220VAC	-	Yes	1,690W	Disconnected	APS2000Wv2 220VAC	-	Yes	-				
<b>M4350-16V4C</b>	420W - Connected	Disconnected	-	Yes	-	<b>VSM4320C</b>	<b>M4350-40X4C</b>	750W - Connected	Disconnected	-	Yes	196W	<b>XSM4344C</b>
	420W - Connected	APS600Wv3	-	Yes	-			750W - Connected	APS600Wv3	-	Yes	556W	
	Disconnected	APS600Wv3	-	Yes	-			Disconnected	APS600Wv3	-	Yes	196W	
	420W - Connected	APS1200Wv2 110VAC	-	Yes	-			750W - Connected	APS1200Wv2 110VAC	-	Yes	876W	
	Disconnected	APS1200Wv2 110VAC	-	Yes	-			Disconnected	APS1200Wv2 110VAC	-	Yes	596W	
	420W - Connected	APS1200Wv2 220VAC	-	Yes	-			750W - Connected	APS1200Wv2 220VAC	-	Yes	1,036W	
	Disconnected	APS1200Wv2 220VAC	-	Yes	-			Disconnected	APS1200Wv2 220VAC	-	Yes	796W	
	420W - Connected	APS2000Wv2 110VAC	-	Yes	-			750W - Connected	APS2000Wv2 110VAC	-	Yes	876W	
	Disconnected	APS2000Wv2 110VAC	-	Yes	-			Disconnected	APS2000Wv2 110VAC	-	Yes	596W	
	420W - Connected	APS2000Wv2 220VAC	-	Yes	-			750W - Connected	APS2000Wv2 220VAC	-	Yes	1,676W	
Disconnected	APS2000Wv2 220VAC	-	Yes	-	Disconnected	APS2000Wv2 220VAC	-	Yes	1,596W				

\*M4350 full width switches offer RPS (redundant power supply) and EPS (extended power supply) modes at the same time, automatically. This table explains the total PoE budget (EPS), and the protected PoE budget (RPS) for each combination of PSU.

## Acoustic-at-a-Glance

Model Name	QUIET MODE Setting at ambient* (Default mode)					COOL MODE Setting at ambient*			Model Number
	PoE Power Load	Fan Duty	Ambient	Case Temp (Top)	Acoustic	Fan Duty	Case Temp (Top)	Acoustic	
<b>M4350-24G4XF</b>	720W	28	25°C	33.1°C	33dBA	60	31.9°C	52dBA	<b>GSM4328</b>
	720W	60	45°C	48.2°C	52dBA				
<b>M4350-48G4XF</b>	1,440W	28	25°C	33.4°C	33dBA	60	31.3°C	52dBA	<b>GSM4352</b>
	1,440W	60	45°C	48.5°C	52dBA				
<b>M4350-44M4X4V</b>	3,314W	28	25°C	43.3°C	34dBA	60	38.3°C	52dBA	<b>MSM4352</b>
	3,314W	60	45°C	50.1°C	52dBA				
<b>M4350-8X8F</b>	N/A	27	25°C	34.4°C	34.43dBA	70	30.3°C	56.3dBA	<b>XSM4316</b>
	N/A	70	50°C	51.7°C	56.3dBA				
<b>M4350-12X12F</b>	N/A	27	25°C	31.9°C	34.34dBA	100	29.5°C	64dBA	<b>XSM4324</b>
	N/A	100	50°C	51.5°C	64dBA				
<b>M4350-24X4V</b>	720W	30	25°C	32.3°C	34.7dBA	70	29.6°C	57.2dBA	<b>XSM4328CV</b>
	720W	70	45°C	46.6°C	57.2dBA				
<b>M4350-24F4V</b>	N/A	30	25°C	34.2°C	34.2dBA	85	30.3°C	61.8dBA	<b>XSM4328FV</b>
	N/A	85	50°C	52.4°C	61.8dBA				
<b>M4350-36X4V</b>	1760W	25	25°C	39°C	32.1dBA	60	30.4°C	54dBA	<b>XSM4340CV</b>
	1760W	60	45°C	49.2°C	54dBA				
<b>M4350-24X8F8V</b>	1770W	25	25°C	39.9°C	32.6dBA	60	31°C	53.3dBA	<b>XSM4340V</b>
	1770W	60	45°C	48.5°C	53.3dBA				
<b>M4350-32F8V</b>	N/A	25	25°C	35°C	32.7dBA	80	28.9°C	63dBA	<b>XSM4340FV</b>
	N/A	80	50°C	52.1°C	63dBA				
<b>M4350-16V4C</b>	N/A	28	25°C	38.2°C	36.4dBA	60	30.8°C	55dBA	<b>VSM4320C</b>
	N/A	60	50°C	56°C	55dBA				
<b>M4350-40X4C</b>	1676W	25	25°C	39.9°C	34.1dBA	60	33.9°C	54.3dBA	<b>XSM4344C</b>
	1676W	60	45°C	49.6°C	54.3dBA				

\* dBA values are SPL (Sound Pressure Level) values, testing following the ISO-7779 standard. Bystander Mode. Chamber Temp 25°C during testing unless noted otherwise. Full, 100%, Data and PoE loaded. Worst case.

For QUIET MODE, Min conditions are: Lowest fan duty when ambient temperature is 25°C, all ports used, max traffic, max PoE budget (additional PSUs). Worst case.

For QUIET MODE, Max conditions are: Highest fan duty when ambient temperature is 45°C (PoE models) or 50°C (non-PoE models), all ports used, max traffic, max PoE budget (additional PSUs) (if applicable). Worst case.

### Software-at-a-Glance

LAYER 3 PACKAGE*													
Model Name	Management	AV Dedicated UI	IPv4 / IPv6 ACL and QoS, DiffServ	IPv4 / IPv6 Multicast Filtering	SMTPE ST 2110	IPv4 / IPv6 Policing and Convergence	Spanning Tree Green Ethernet	VLANs	Trunking Port Channel	IPv4 / IPv6 Authentication Security	IPv4 / IPv6 Static Routing	IPv4 / IPv6 Dynamic Routing	Model Number
<b>M4350 series</b>	Out-of-band	AV Web-based GUI	Ingress/egress	NETGEAR IGMP™ Plus for automated IGMP between switches	Select models only	Auto-VoIP	STP, MTP, RSTP	Static, Dynamic, Voice, MAC	Auto-Trunk and Auto-LAG between M4250, M4300, and M4350 Switches	Successive Tiering (DOT1X; MAB; Captive Portal)	Port, Subnet, VLAN routing	IPv4: RIP, VRRP	All models
	IT Web GUI (main)	Designed for AV installers				IGMPv3 MLDv2 Snooping, Proxy ASM & SSM			Policy-based routing (PBR)				
	HTTPs CLI; Telnet; SSH	AV-related controls	1 Kbps shaping Time-based	IGMPv1, v2 Querier (compatible v3)		IEEE 1588 PTPv2 1-Step End-to-End Transparent Clock (TC)	BPDU/STRG Root Guard	GVRP/GMRP	(LACP automatically reverts to and from Static LAG)	DHCP Snooping Dynamic ARP Inspection IP Source Guard	DHCPv4 Server	DHCP Relay	
	Stacking** NSF with Hitless Failover	Audio over IP profiles	Single Rate Policing	IGMPv1, v2 Querier (compatible v3)		AVB: 802.1AS, 802.1Qav, 802.1Qat MSRP, 802.1ak MMRP, 802.1ak MVRP	EEE 802.3az (EEE is disabled by default)	Double VLAN mode	Seven (7) L2/L3/L4 hashing algorithm		Stateful DHCPv6 Server		
	SNMP, MIBs RSPAN	AVB profile		Control Packet Flooding				Private VLANs					
	Radius Users, TACACS	Video over IP profiles											
<b>M4350-16V4C</b> <b>M4350-40X4C</b>		ST 2110 profiles			Boundary Clock mode (BC) Grandmaster Clock mode (GM) PTP profiles for: SMPTE 2059-2 (video/audio), AES67 (Audio), AES-R16-2016 (Interoperability) Single-step PTP to AV endpoints Single-step/two-step to the GrandMaste								<b>VSM4320C</b> <b>XSM4344C</b>

\* All software features are available, license-free.

\*\* Stacking, AVB, and PTP TC are mutually exclusive features. A stack cannot run AVB, nor PTP TC (or BC/GM).





## Performance-at-a-Glance

TABLE SIZE													
Model Name	MAC ARP/NDP	Routing / Switching Capacity	Throughput 64-byte	Application Route Scaling	Packet Buffer	Latency 64-byte	CPU	IP Multicast Routing Entries	Jumbo Frames	Multicast IGMP Group Membership	VLANs	DHCP	Model Number
<b>M4350-24G4XF</b>	16K MAC 4K ARP/ 512 NDP	128 Gbps Line-Rate	95.23 Mpps	Static: 256v4/64v6  RIP: 512 OSPF: 1,024	16Mb	<2.42µs 1G <0.92µs 10G fiber	Quad-Core Cortex-A57 ARMv8 1.8Ghz 64-bit 2GB RAM DDR4	512 IPv4 256 IPv6	Up to 12K	2K IPv4 2K IPv6	4K VLANs	DHCP Server: 2K leases  IPv4: 256 pools IPv6: 16 pools	<b>GSM4328</b>
<b>M4350-48G4XF</b>	16K MAC 4K ARP/ 512 NDP	176 Gbps Line-Rate	130.94 Mpps		32Mb	<2.20µs 1G <0.70µs 10G fiber							<b>GSM4352</b>
<b>M4350-44M4X4V</b>	16K MAC 4K ARP/ 512 NDP	500 Gbps Line-Rate	372 Mpps		32Mb	<5.61µs 2.5G <2.27µs 10G copper <0.75µs 25G							<b>MSM4352</b>
<b>M4350-8X8F</b>	16K MAC 4K ARP/ 512 NDP	320 Gbps Line-Rate	238.08 Mpps		32Mb	<2.28µs 1G <2.39µs 10G copper <0.83µs 10G fiber							<b>XSM4316</b>
<b>M4350-12X12F</b>	16K MAC 4K ARP/ 512 NDP	480 Gbps Line-Rate	357.12 Mpps		32Mb	<2.14µs 1G <2.29µs 10G copper <0.72µs 10G fiber							<b>XSM4324</b>
<b>M4350-24X4V</b>	16K MAC 4K ARP/ 512 NDP	680 Gbps Line-Rate	505.92 Mpps		32Mb	<2.43µs 1G <2.20µs 10G copper <0.97µs 25G							<b>XSM4328CV</b>
<b>M4350-24F4V</b>	16K MAC 4K ARP/ 512 NDP	680 Gbps Line-Rate	505.92 Mpps		32Mb	<1.06µs 1G <0.63µs 10G fiber <0.67µs 25G	<b>XSM4328FV</b>						
<b>M4350-36X4V</b>	16K MAC 4K ARP/ 512 NDP	920 Gbps Line-Rate	684.48 Mpps		64Mb	<2.54µs 1G <2.75µs 10G copper <1.08µs 25G	<b>XSM4340CV</b>						
<b>M4350-24X8F8V</b>	16K MAC 4K ARP/ 512 NDP	1.04 Tbps Line-Rate	773.76 Mpps		64Mb	<2.7µs 10G copper <1.27µs 10G fiber <1.09µs 25G	<b>XSM4340V</b>						
<b>M4350-32F8V</b>	16K MAC 4K ARP/ 512 NDP	1.04 Tbps Line-Rate	773.76 Mpps		64Mb	<1.27µs 10G fiber <1.08µs 25G	<b>XSM4340FV</b>						
<b>M4350-16V4C</b>	16K MAC 4K ARP/ 512 NDP	1.6 Tbps Line-Rate	1190.4 Mpps		256Mb	<2.71µs 10G fiber <1.08µs 25G <1.13µs 100G	<b>VSM4320C</b>						
<b>M4350-40X4C</b>	16K MAC 4K ARP/ 512 NDP	1.6 Tbps Line-Rate	1190.4 Mpps		256Mb	<2.71µs 10G copper <1.08µs 25G fiber <1.04µs 100G	<b>XSM4344C</b>						

## Ordering Information

NETGEAR M4350-24G4XF Fully Managed Switch (GSM4328) - 24x1G PoE+ and 4xSFP+ (648W base, up to 720W)	
North America; Europe	GSM4328-100NES (NA, UK, EU)
Asia Pacific	GSM4328-100AJS (JP, AU)
Asia Pacific	GSM4328-100PRS (CCC)
NETGEAR M4350-48G4XF Fully Managed Switch (GSM4352) - 48x1G PoE+ and 4xSFP+ (236W base, up to 1,440W)	
North America; Europe	GSM4352-100NES (NA, UK, EU)
Asia Pacific	GSM4352-100AJS (JP, AU)
Asia Pacific	GSM4352-100PRS (CCC)
NETGEAR M4350-44M4X4V Fully Managed Switch (MSM4352) - 44x2.5G, 4x10G/Multi-Gig PoE++ and 4xSFP28 25G (194W base, up to 3,314W)	
North America; Europe	MSM4352-100NES (NA, UK, EU)
North America; TAA Compliant	MSM4352-TAANES (NA, UK, EU)
Asia Pacific	MSM4352-100AJS (JP, AU)
Asia Pacific	MSM4352-100PRS (CCC)
NETGEAR M4350-8X8F Fully Managed Switch (XSM4316) - 8x10G/Multi-Gig and 8xSFP+	
North America; Europe	XSM4316-100NES (NA, UK, EU)
Asia Pacific	XSM4316-100AJS (JP, AU)
Asia Pacific	XSM4316-100PRS (CCC)
NETGEAR M4350-12X12F Fully Managed Switch (XSM4324) - 12x10G/Multi-Gig and 12xSFP+	
North America; Europe	XSM4324-100NES (NA, UK, EU)
Asia Pacific	XSM4324-100AJS (JP, AU)
Asia Pacific	XSM4324-100PRS (CCC)
NETGEAR M4350-24X4V Fully Managed Switch (XSM4328CV) - 24x10G/Multi-Gig PoE+ and 4xSFP28 25G (576W base, up to 720W)	
North America; Europe	XSM4328CV-100NES (NA, UK, EU)
North America; TAA Compliant	XSM4328CV-TAANES (NA, UK, EU)
Asia Pacific	XSM4328CV-100AJS (JP, AU)
Asia Pacific	XSM4328CV-100PRS (CCC)
NETGEAR M4350-24F4V Fully Managed Switch (XSM4328FV) - 24xSFP+ and 4xSFP28 25G	
North America; Europe	XSM4328FV-100NES (NA, UK, EU)
Asia Pacific	XSM4328FV-100AJS (JP, AU)
Asia Pacific	XSM4328FV-100PRS (CCC)



GSM4328



GSM4352



MSM4352



XSM4316



XSM4324



XSM4328CV



XSM4328FV

## Ordering Information

NETGEAR M4350-36X4V Fully Managed Switch (XSM4340CV) - 36x10G/Multi-Gig PoE++ and 4xSFP28 25G (280W base, up to 1,760W)	
North America; Europe	XSM4340CV-100NES (NA, UK, EU)
Asia Pacific	XSM4340CV-100AJS (JP, AU)
Asia Pacific	XSM4340CV-100PRS (CCC)
NETGEAR M4350-24X8F8V Fully Managed Switch (XSM4340V) - 24x10G/Multi-Gig PoE++, 8xSFP+ and 8xSFP28 25G (290W base, up to 1,770W)	
North America; Europe	XSM4340V-100NES (NA, UK, EU)
North America; TAA Compliant	XSM4340V-TAANES (NA, UK, EU)
Asia Pacific	XSM4340V-100AJS (JP, AU)
Asia Pacific	XSM4340V-100PRS (CCC)
NETGEAR M4350-32F8V Fully Managed Switch (XSM4340FV) - 32xSFP+ and 8xSFP28 25G	
North America; Europe	XSM4340FV-100NES (NA, UK, EU)
North America; TAA Compliant	XSM4340FV-TAANES (NA, UK, EU)
Asia Pacific	XSM4340FV-100AJS (JP, AU)
Asia Pacific	XSM4340FV-100PRS (CCC)
NETGEAR M4350-16V4C Fully Managed Switch (VSM4320C) - 16xSFP28 25G and 4xQSFP28 100G	
North America; Europe	VSM4320C-100NES (NA, UK, EU)
North America; TAA Compliant	VSM4320C-TAANES (NA, UK, EU)
Asia Pacific	VSM4320C-100AJS (JP, AU)
Asia Pacific	VSM4320C-100PRS (CCC)
NETGEAR M4350-40X4C Fully Managed Switch (XSM4344C) - 40x10G/Multi-Gig PoE++ and 4xQSFP28 100G (196W base, up to 1,676W)	
North America; Europe	XSM4344C-100NES (NA, UK, EU)
North America; TAA Compliant	XSM4344C-TAANES (NA, UK, EU)
Asia Pacific	XSM4344C-100AJS (JP, AU)
Asia Pacific	XSM4344C-100PRS (CCC)
NETGEAR APS350W - 350W Power Supply Unit for M4350-24G4XF (GSM4328); M4350-48G4XF (GSM4352); M4350-44M4X4V (MSM4352); M4350-24X4V (XSM4328CV); M4350-24F4V (XSM4328FV)	
North America; Europe	APS350W-100NES (NA, UK, EU)
Asia Pacific	APS350W-100AJS (JP, AU)
Asia Pacific	APS350W-10000S (no power cords)
NETGEAR APS600Ww2 - 600W Power Supply Unit for M4350-24G4XF (GSM4328); M4350-48G4XF (GSM4352); M4350-44M4X4V (MSM4352); M4350-24X4V (XSM4328CV); M4350-24F4V (XSM4328FV)	
North America; Europe	APS600W-200NES (NA, UK, EU)
Asia Pacific	APS600W-200AJS (JP, AU)
Asia Pacific	APS600W-20000S (no power cords)



XSM4340CV



XSM4340V



XSM4340FV



VSM4320C



XSM4344C

M4350-24G4XF (GSM4328)

M4350-48G4XF (GSM4352)

M4350-44M4X4V (MSM4352)

M4350-24X4V (XSM4328CV)

M4350-24F4V (XSM4328FV)

## Ordering Information

NETGEAR APS920W - 920W Power Supply Unit for M4350-24G4XF (GSM4328); M4350-48G4XF (GSM4352); M4350-44M4X4V (MSM4352); M4350-24X4V (XSM4328CV); M4350-24F4V (XSM4328FV)		
<b>North America; Europe</b>	APS920W-100NES (NA, UK, EU)	
<b>Asia Pacific</b>	APS920W-100AJS (JP, AU)	M4350-24G4XF (GSM4328)
<b>Asia Pacific</b>	APS920W-10000S (no power cords)	M4350-48G4XF (GSM4352)
NETGEAR APS2000W - 2000W Power Supply Unit for M4350-24G4XF (GSM4328); M4350-48G4XF (GSM4352); M4350-44M4X4V (MSM4352); M4350-24X4V (XSM4328CV); M4350-24F4V (XSM4328FV)		M4350-44M4X4V (MSM4352)
<b>North America; Europe</b>	APS2000W-100NES (NA, UK, EU)	M4350-24X4V (XSM4328CV)
<b>Asia Pacific</b>	APS2000W-100AJS (JP, AU)	M4350-24F4V (XSM4328FV)
<b>Asia Pacific</b>	APS2000W-10000S (no power cords)	
NETGEAR APS600Wv3 - 600W Power Supply Unit for M4350-36X4V (XSM4340CV); M4350-24X8F8V (XSM4340V); M4350-32F8V (XSM4340FV); M4350-16V4C (VSM4320C); M4350-40X4C (XSM4344C)		
<b>North America; Europe</b>	APS600W-300NES (NA, UK, EU)	
<b>Asia Pacific</b>	APS600W-300AJS (JP, AU)	
<b>Asia Pacific</b>	APS600W-30000S (no power cords)	
NETGEAR APS1200Wv2 - 1200W Power Supply Unit for M4350-36X4V (XSM4340CV); M4350-24X8F8V (XSM4340V); M4350-32F8V (XSM4340FV); M4350-16V4C (VSM4320C); M4350-40X4C (XSM4344C)		M4350-36X4V (XSM4340CV)
<b>North America; Europe</b>	APS1200W-200NES (NA, UK, EU)	M4350-24X8F8V (XSM4340V)
<b>Asia Pacific</b>	APS1200W-200AJS (JP, AU)	M4350-32F8V (XSM4340FV)
<b>Asia Pacific</b>	APS1200W-20000S (no power cords)	M4350-16V4C (VSM4320C)
NETGEAR APS2000Wv2 - 2000W Power Supply Unit for M4350-36X4V (XSM4340CV); M4350-24X8F8V (XSM4340V); M4350-32F8V (XSM4340FV); M4350-16V4C (VSM4320C); M4350-40X4C (XSM4344C)		M4350-40X4C (XSM4344C)
<b>North America; Europe</b>	APS2000W-200NES (NA, UK, EU)	
<b>Asia Pacific</b>	APS2000W-200AJS (JP, AU)	
<b>Asia Pacific</b>	APS2000W-20000S (no power cords)	

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

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