



Engineered
and Certified
for AV over IP

Introducing the NETGEAR AV and IT M4350 Switches, engineered and certified for audio/video over IP with dedicated service and support. The M4350 brings all the simplicity from the M4250 AV Line packed in more Enterprise-class hardware with redundant power supplies and larger fabrics with 25G and 100G uplinks. The revolutionary NETGEAR AV user interface and Engage™ Controller contain pre-configured profiles for all major audio, video, and lighting protocols.

NETGEAR listens to and supports the Pro AV community

- IGMP Plus™ means AV-over-IP multicasting will work out of the box and not flood your network
- Auto-LAG and Auto-Trunk automatically configure the uplinks between multiple switches
- The Engage™ Controller manages all M4250, M4300, M4350, and M4500 switches for your AV installations
- NETGEAR Pro AV Design team to help with system design and implementation to ensure the project will work
- AVB, Dante, Q-SYS, AES67, NVX, AMX, IPMX, NDI 4/5/6, ZeeVee, Aurora Multimedia, Kramer, Atlona, LibAV, Visionary, SDVoE, and many others!
- SMPTE ST 2110 supported on select models, always with the same simplicity from the AV UI

Enterprise-class hardware

- From 1G to 2.5G, to 10G, to 25G, to 100G within 40cm (15.7in) depth except M4350-16M4V (MSM4320 43.2cm /17in depth)
- Controlled thermal and acoustics (intelligent fans configurable in Quiet Mode to minimize noise, or Cool Mode to minimize heat)

Other IT use cases

- Edge to core stackable platform, from 1 Gigabit to 100 Gigabit for midsize organizations
- Non-stop forwarding (NSF) provides advanced High Availability (HA) with hitless failover across the stack

Industry standard management

- Industry standard command line interface (CLI), main NETGEAR IT web interface (GUI)
- SNMP, sFlow and RSPAN - the entire feature set is available without license

Industry leading warranty

- NETGEAR M4350 series is covered under NETGEAR ProSAFE Limited Lifetime Hardware Warranty*
- 90 days of Technical Support via phone and email, Lifetime Technical Support through online chat and Lifetime Next Business Day hardware replacement



Hardware-at-a-Glance

			FRONT							REAR			MANAGEMENT		
Model Name	Form-Factor	Switching Fabric	1000BASE-T RJ45 ports	2.5GBASE-T RJ45 ports	10GBASE-T RJ45 ports	2.5GBASE-X SFP ports	10GBASE-X SFP+ ports	25GBASE-X SFP28 ports	100GBASE-X QSFP28 ports	Internal PSU	Modular PSU Bays	Fans	Out-of-band Console	Model Number	
M4350-24G4XF	Full width 1U rack mount 440x43.2x400mm	128 Gbps	24 ports PoE+ 10M; 100M; 1G 648W (base) up to 720W	-	-	-	4 ports 1G; 10G	-	-	1 x Fixed 880W (C14) On/Off switch	1 slot	Fixed Front-to-back	Ethernet: Out-of-band 1G port (Back) Console: USB-C (Front) Storage: 2 x USB-A (Back)	GSM4328	
M4350-48G4XF	Full width 1U rack mount 440x43.2x400mm	176 Gbps	48 ports PoE+ 10M; 100M; 1G 236W (base) up to 1,440W	-	-	-	4 ports 1G; 10G	-	-	1 x Fixed 550W (C14) On/Off switch	2 slots			GSM4352	
M4350-8M2V	Half-width / Color LEDs 1U rack mount 220*43.2*300mm	140 Gbps	-	8 ports PoE++ *** 100M; 1G; 2.5G 119W (base) up to 551W	-	-	-	2 ports 10G; 25G (Ethernet Mode*) (Stacking: 25G**)	-	On/Off switch	1 external power adapter included: APS254W (C14) 3 DC connectors for max 3 x APS254W			MSM4310	
M4350-16M4V	Full width / Neutrik Color LEDs 1U rack mount 440*43.2*432mm	280 Gbps	-	16 ports PoE++*** incl. 8 etherCON 100M; 1G; 2.5G 530W (base) up to 1,130W	Up to 4 ports	-	-	1 modular slot for 4 ports 10G; 25G (Ethernet Mode*) (Stacking: 25G**)	-	2 x Fixed 800W (power-CON) On/Off switch	-			Shipping with C14 male power cord adapters	MSM4320
				<- The 8 etherCON ports are on the front. The other 8 standard RJ45 ports are on rear edge ->	Interface Cards: APM414SD APM414LD APM414V APM414C	2 x Neutrik opticalCON QUAD for 4xMMF Transceivers (multimode fiber: 10G, 25G) 2 x Neutrik opticalCON QUAD for 4xSMF Transceivers (single mode fiber: 10G, 25G) 4 x Standard 25G SFP28 (shipping pre-installed with the switch: 10G, 25G) 4 x Standard 10GBASE-T RJ45 ports (1G, 10G)	2 x Fixed 800W (power-CON) On/Off switch								
M4350-24M4X4V	Full width / Color LEDs 1U rack mount 440*43.2*400mm	400 Gbps	-	24 ports PoE++*** 100M; 1G; 2.5G	4 ports PoE++*** 1G; 2.5G; 5G; 10G	-	-	4 ports 10G; 25G (Ethernet Mode*) (Stacking: 25G**)	-	1 x Fixed 800W (C14) On/Off switch	2 slots			MSM4332	
M4350-44M4X4V	Full width 1U rack mount 440x43.2x400mm	500 Gbps	-	44 ports PoE++*** 100M; 1G; 2.5G	4 ports PoE++*** 1G; 2.5G; 5G; 10G	-	-	4 ports 10G; 25G (Ethernet Mode*) (Stacking: 25G**)	-	1 x Fixed 550W (C14) On/Off switch	2 slots			MSM4352	
M4350-24F4X	Full width / Color LEDs 1U rack mount 440*43.2*400mm	200 Gbps	-	-	4 ports 100M; 1G; 2.5G; 5G; 10G Combo with the 4xSFP+	24 ports 1G, 2.5G	4 ports 1G, 10G Combo with the 4x10GBASE-T	-	-	1 x Fixed 240W (C14) On/Off switch	1 slot	MSM4328F			

* 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: 4x10G, or 4x25G. Since 25G takes precedence, when one 25G module is inserted, other ports with 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	2.5GBASE-X SFP ports	10GBASE-X SFP+ ports	25GBASE-X SFP28 ports	100GBASE-X QSFP28 ports	Internal PSU	Modular PSU Bays	Fans	Out-of-band Console	
M4350-8X8F	Half-width 1- or 2-unit 1U rack mount 220x43.2x400mm	320 Gbps	-	-	8 ports 100M; 1G; 2.5G; 5G; 10G	-	8 ports 1G (ports 9-12 only); 10G	-	-	1 x Fixed 240W (C14) On/Off switch	-	Fixed Front-to-back	Ethernet: Out-of-band 1G port (Back) Console: USB-C (Front) Storage: 2 x USB-A (Back)	XSM4316
M4350-12X12F	Half-width 1- or 2-unit 1U rack mount 220x43.2x400mm	480 Gbps	-	-	12 ports 100M; 1G; 2.5G; 5G; 10G	-	12 ports 1G (ports 13-20 only); 10G	-	-	1 x Fixed 240W (C14) On/Off switch	-			XSM4324
M4350-24X4V	Full width 1U rack mount 440x43.2x400mm	680 Gbps	-	-	24 ports PoE+ 100M (ports 1-16 only); 1G; 2.5G; 5G; 10G 576W (base), up to 720W	-	-	4 ports 10G; 25G (Ethernet Mode*) (Stacking: 25G**)	-	1 x Fixed 880W (C14) On/Off switch	1 slot			XSM4328CV
M4350-24F4V	Full width 1U rack mount 440x43.2x400mm	680 Gbps	-	-	-	-	24 ports 1G (ports 1-16 only); 10G	4 ports 10G; 25G (Ethernet Mode*) (Stacking: 25G**)	-	1 x Fixed 240W (C14) On/Off switch	1 slot			XSM4328FV
M4350-36X4V	Full width 1U rack mount 440x43.2x400mm	920 Gbps	-	-	36 ports PoE++*** 100M (ports 1-28 only); 1G; 2.5G; 5G; 10G 280W (base), up to 1,760W	-	-	4 ports 10G; 25G (Ethernet Mode*) (Stacking: 25G**)	-	1 x Fixed 750W (C14) On/Off switch	1 slot			XSM4340CV
M4350-24X8F8V	Full width 1U rack mount 440x43.2x400mm	1.04 Tbps	-	-	24 ports PoE++*** 100M; 1G; 2.5G; 5G; 10G 290W (base), up to 1,770W	-	8 ports 1G (ports 25-28 only); 10G	8 ports 10G; 25G (Ethernet Mode*) (Stacking: 25G**)	-	1 x Fixed 750W (C14) On/Off switch	1 slot			XSM4340V

* 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: 4x10G, or 4x25G. Since 25G takes precedence, when one 25G module is inserted, other ports with 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	2.5GBASE-X SFP ports	10GBASE-X SFP+ ports	25GBASE-X SFP28 ports	100GBASE-X QSFP28 ports	Internal PSU	Modular PSU Bays	Fans			Out-of-band Console
M4350-32F8V	Full width 1U rack mount 440x43.2x400mm	1.04 Tbps	-	-	-	-	-	32 ports 1G (ports 1-28 only); 10G	8 ports 10G; 25G (Ethernet Mode*) (Stacking: 25G**)	-	1 x Fixed 420W (C14) On/Off switch	1 slot	Fixed Front-to-back	Ethernet: Out-of-band 1G port (Back)	XSM4340FV
M4350-16V4C	Full width 1U rack mount 440x43.2x400mm	1.6 Tbps	-	-	-	-	-	16 ports 10G; 25G (Ethernet Mode*)	4 ports 40G; 100G (Stacking: 100G**)	1 x Fixed 420W (C14) On/Off switch	1 slot	VSM4320C			
M4350-40X4C	Full width 1U rack mount 440x43.2x400mm	1.6 Tbps	-	-	40 ports PoE++*** 1G; 2.5G; 5G; 10G 196W (base), up to 1,676W	-	-	-	4 ports 40G; 100G (Stacking: 100G**)	1 x Fixed 750W (C14) On/Off switch	1 slot	Console: USB-C (Front)		XSM4344C	
M4350-40F4C	Full width / Color LEDs 1U rack mount 440*43.2*400mm	1.6 Tbps	-	-	-	-	40 ports 10G	-	4 ports 40G; 100G (Stacking: 100G**)	1 x Fixed 420W (C14) On/Off switch	1 slot	Storage: 2 x USB-A (Back)		XSM4344FC	
M4350-16C	Full width / Color LEDs 1U rack mount 440*43.2*400mm	3.2 Tbps	-	-	-	-	-	-	16 ports 40G; 100G (Stacking: 100G**)	1 x Fixed 420W (C14) On/Off switch	1 slot			CSM4316	

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 ** 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++ 802.3af 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
		PSU Slot 1	PSU Slot 2			
M4350-24G4XF	880W - Connected	Disconnected	-	Yes	648W	GSM4328
APS350W-100NES/AJS	880W - Connected	APS350W	-	Yes	720W	APS350W-100NES/AJS
APS350W-100NES/AJS	Disconnected	APS350W	-	Yes	218W	APS350W-100NES/AJS
APS600W-200NES/AJS	880W - Connected	APS600Wv2	-	Yes	720W	APS600W-200NES/AJS
APS600W-200NES/AJS	Disconnected	APS600Wv2	-	Yes	468W	APS600W-200NES/AJS
APS920W-100NES/AJS	880W - Connected	APS920W	-	Yes	720W	APS920W-100NES/AJS
APS920W-100NES/AJS	Disconnected	APS920W	-	Yes	720W	APS920W-100NES/AJS
APS2000W-100NES/AJS	880W - Connected	APS2000W 110VAC	-	Yes	720W	APS2000W-100NES/AJS
APS2000W-100NES/AJS	Disconnected	APS2000W 110VAC	-	Yes	720W	APS2000W-100NES/AJS
APS2000W-100NES/AJS	880W - Connected	APS2000W 220VAC	-	Yes	720W	APS2000W-100NES/AJS
APS2000W-100NES/AJS	Disconnected	APS2000W 220VAC	-	Yes	720W	APS2000W-100NES/AJS
M4350-48G4XF	550W - Connected	Disconnected	Disconnected	Yes	236W	GSM4352
APS350W-100NES/AJS	550W - Connected	APS350W	Disconnected	Yes	436W	APS350W-100NES/AJS
APS350W-100NES/AJS	Disconnected	APS350W	Disconnected	Yes	186W	APS350W-100NES/AJS
APS600W-200NES/AJS	550W - Connected	APS600Wv2	Disconnected	Yes	636W	APS600W-200NES/AJS
APS600W-200NES/AJS	Disconnected	APS600Wv2	Disconnected	Yes	436W	APS600W-200NES/AJS
APS920W-100NES/AJS	550W - Connected	APS920W	Disconnected	Yes	892W	APS920W-100NES/AJS
APS920W-100NES/AJS	Disconnected	APS920W	Disconnected	Yes	756W	APS920W-100NES/AJS
APS2000W-100NES/AJS	550W - Connected	APS2000W 110VAC	Disconnected	Yes	956W	APS2000W-100NES/AJS
APS2000W-100NES/AJS	Disconnected	APS2000W 110VAC	Disconnected	Yes	836W	APS2000W-100NES/AJS
APS2000W-100NES/AJS	550W - Connected	APS2000W 220VAC	Disconnected	Yes	1,440W	APS2000W-100NES/AJS
APS2000W-100NES/AJS	Disconnected	APS2000W 220VAC	Disconnected	Yes	1,440W	APS2000W-100NES/AJS
M4350-48G4XF	550W - Connected	Disconnected	Disconnected	Yes	236W	GSM4352
APS350W-100NES/AJS	550W - Connected	APS350W	APS350W	Yes	716W	APS350W-100NES/AJS
APS350W-100NES/AJS	Disconnected	APS350W	APS350W	Yes	396W	APS350W-100NES/AJS
APS600W-200NES/AJS	550W - Connected	APS600Wv2	APS600Wv2	Yes	1,116W	APS600W-200NES/AJS
APS600W-200NES/AJS	Disconnected	APS600Wv2	APS600Wv2	Yes	796W	APS600W-200NES/AJS
APS920W-100NES/AJS	550W - Connected	APS920W	APS920W	Yes	1,440W	APS920W-100NES/AJS
APS920W-100NES/AJS	Disconnected	APS920W	APS920W	Yes	1,308W	APS920W-100NES/AJS
APS2000W-100NES/AJS	550W - Connected	APS2000W 110VAC	APS2000W 110VAC	Yes	1,440W	APS2000W-100NES/AJS
APS2000W-100NES/AJS	Disconnected	APS2000W 110VAC	APS2000W 110VAC	Yes	1,436W	APS2000W-100NES/AJS
APS2000W-100NES/AJS	550W - Connected	APS2000W 220VAC	APS2000W 220VAC	Yes	1,440W	APS2000W-100NES/AJS
APS2000W-100NES/AJS	Disconnected	APS2000W 220VAC	APS2000W 220VAC	Yes	1,440W	APS2000W-100NES/AJS

RPS+EPS Wattages*-at-a-Glance

Model Name	Internal PSU	Modular PSUs		Switch Operational Without PoE?	Available PoE Budget	Model Number
		PSU Slot 1	PSU Slot 2			
M4350-8M2V	APS254W - Connected	Disconnected	-	Yes	119W	MSM4310
APS254W-10000S	APS254W - Connected	APS254W	-	Yes	322W	APS254W-10000S
APS254W-10000S	Disconnected	APS254W	-	Yes	119W	APS254W-10000S
M4350-8M2V	APS254W - Connected	Disconnected	Disconnected	Yes	119W	MSM4310
APS254W-10000S	APS254W - Connected	APS254W	APS254W	Yes	551W	APS254W-10000S
APS254W-10000S	Disconnected	APS254W	APS254W	Yes	322W	APS254W-10000S
M4350-16M4V	800W - Connected	Disconnected	-	Yes	530W	MSM4320
Internal PSU 1	800W - Connected	Connected	-	Yes	1,130W	
Internal PSU 2	Disconnected	Connected	-	Yes	530W	
M4350-24M4X4V	800W - Connected	Disconnected	-	Yes	522W	MSM4332
APS600W-300NES/AJS	800W - Connected	APS600Wv3	-	Yes	852W	APS600W-300NES/AJS
APS600W-300NES/AJS	Disconnected	APS600Wv3	-	Yes	372W	APS600W-300NES/AJS
APS1200W-200NES/AJS	800W - Connected	APS1200Wv2 110VAC	-	Yes	1,172W	APS1200W-200NES/AJS
APS1200W-200NES/AJS	Disconnected	APS1200Wv2 110VAC	-	Yes	772W	APS1200W-200NES/AJS
APS1200W-200NES/AJS	800W - Connected	APS1200Wv2 220VAC	-	Yes	1332W	APS1200W-200NES/AJS
APS1200W-200NES/AJS	Disconnected	APS1200Wv2 220VAC	-	Yes	972W	APS1200W-200NES/AJS
APS2000W-200NES/AJS	800W - Connected	APS2000Wv2 110VAC	-	Yes	1,172W	APS2000W-200NES/AJS
APS2000W-200NES/AJS	Disconnected	APS2000Wv2 110VAC	-	Yes	772W	APS2000W-200NES/AJS
APS2000W-200NES/AJS	800W - Connected	APS2000Wv2 220VAC	-	Yes	1,972W	APS2000W-200NES/AJS
APS2000W-200NES/AJS	Disconnected	APS2000Wv2 220VAC	-	Yes	1,772W	APS2000W-200NES/AJS
M4350-24M4X4V	800W - Connected	Disconnected	-	Yes	522W	MSM4332
APS600W-300NES/AJS	800W - Connected	APS600Wv3	APS600Wv3	Yes	1,332W	APS600W-300NES/AJS
APS600W-300NES/AJS	Disconnected	APS600Wv3	APS600Wv3	Yes	732W	APS600W-300NES/AJS
APS1200W-200NES/AJS	800W - Connected	APS1200Wv2 110VAC	APS1200Wv2 110VAC	Yes	1,972W	APS1200W-200NES/AJS
APS1200W-200NES/AJS	Disconnected	APS1200Wv2 110VAC	APS1200Wv2 110VAC	Yes	1,372W	APS1200W-200NES/AJS
APS1200W-200NES/AJS	800W - Connected	APS1200Wv2 220VAC	APS1200Wv2 220VAC	Yes	2,292W	APS1200W-200NES/AJS
APS1200W-200NES/AJS	Disconnected	APS1200Wv2 220VAC	APS1200Wv2 220VAC	Yes	1,692W	APS1200W-200NES/AJS
APS2000W-200NES/AJS	800W - Connected	APS2000Wv2 110VAC	APS2000Wv2 110VAC	Yes	1,972W	APS2000W-200NES/AJS
APS2000W-200NES/AJS	Disconnected	APS2000Wv2 110VAC	APS2000Wv2 110VAC	Yes	1,372W	APS2000W-200NES/AJS
APS2000W-200NES/AJS	800W - Connected	APS2000Wv2 220VAC	APS2000Wv2 220VAC	Yes	2,520W	APS2000W-200NES/AJS
APS2000W-200NES/AJS	Disconnected	APS2000Wv2 220VAC	APS2000Wv2 220VAC	Yes	2,520W	APS2000W-200NES/AJS
		Modular PSUs				

RPS+EPS Wattages*-at-a-Glance

Model Name	Internal PSU	PSU Slot 1	PSU Slot 2	Switch Operational Without PoE?	Available PoE Budget	Model Number
M4350-44M4X4V	550W - Connected	Disconnected	Disconnected	Yes	194W	MSM4352
APS350W-100NES/AJS	550W - Connected	APS350W	Disconnected	Yes	394W	APS350W-100NES/AJS
APS350W-100NES/AJS	Disconnected	APS350W	Disconnected	Yes	144W	APS350W-100NES/AJS
APS600W-200NES/AJS	550W - Connected	APS600Wv2	Disconnected	Yes	594W	APS600W-200NES/AJS
APS600W-200NES/AJS	Disconnected	APS600Wv2	Disconnected	Yes	394W	APS600W-200NES/AJS
APS920W-100NES/AJS	550W - Connected	APS920W	Disconnected	Yes	850W	APS920W-100NES/AJS
APS920W-100NES/AJS	Disconnected	APS920W	Disconnected	Yes	714W	APS920W-100NES/AJS
APS2000W-100NES/AJS	550W - Connected	APS2000W 110VAC	Disconnected	Yes	914W	APS2000W-100NES/AJS
APS2000W-100NES/AJS	Disconnected	APS2000W 110VAC	Disconnected	Yes	794W	APS2000W-100NES/AJS
APS2000W-100NES/AJS	550W - Connected	APS2000W 220VAC	Disconnected	Yes	1,786W	APS2000W-100NES/AJS
APS2000W-100NES/AJS	Disconnected	APS2000W 220VAC	Disconnected	Yes	1,694W	APS2000W-100NES/AJS
M4350-44M4X4V	550W - Connected	Disconnected	Disconnected	Yes	194W	MSM4352
APS350W-100NES/AJS	550W - Connected	APS350W	APS350W	Yes	674W	APS350W-100NES/AJS
APS350W-100NES/AJS	Disconnected	APS350W	APS350W	Yes	354W	APS350W-100NES/AJS
APS600W-200NES/AJS	550W - Connected	APS600Wv2	APS600Wv2	Yes	1,074W	APS600W-200NES/AJS
APS600W-200NES/AJS	Disconnected	APS600Wv2	APS600Wv2	Yes	754W	APS600W-200NES/AJS
APS920W-100NES/AJS	550W - Connected	APS920W	APS920W	Yes	1,586W	APS920W-100NES/AJS
APS920W-100NES/AJS	Disconnected	APS920W	APS920W	Yes	1,266W	APS920W-100NES/AJS
APS2000W-100NES/AJS	550W - Connected	APS2000W 110VAC	APS2000W 110VAC	Yes	1,714W	APS2000W-100NES/AJS
APS2000W-100NES/AJS	Disconnected	APS2000W 110VAC	APS2000W 110VAC	Yes	1,394W	APS2000W-100NES/AJS
APS2000W-100NES/AJS	550W - Connected	APS2000W 220VAC	APS2000W 220VAC	Yes	3,314W	APS2000W-100NES/AJS
APS2000W-100NES/AJS	Disconnected	APS2000W 220VAC	APS2000W 220VAC	Yes	2,994W	APS2000W-100NES/AJS
M4350-24F4X	240W - Connected	Disconnected	-	Yes	-	MSM4328F
APS600W-300NES/AJS	240W - Connected	APS600Wv3	-	Yes	-	APS600W-300NES/AJS
APS600W-300NES/AJS	Disconnected	APS600Wv3	-	Yes	-	APS600W-300NES/AJS
APS1200W-200NES/AJS	240W - Connected	APS1200Wv2 110VAC	-	Yes	-	APS1200W-200NES/AJS
APS1200W-200NES/AJS	Disconnected	APS1200Wv2 110VAC	-	Yes	-	APS1200W-200NES/AJS
APS1200W-200NES/AJS	240W - Connected	APS1200Wv2 220VAC	-	Yes	-	APS1200W-200NES/AJS
APS1200W-200NES/AJS	Disconnected	APS1200Wv2 220VAC	-	Yes	-	APS1200W-200NES/AJS
APS2000W-200NES/AJS	240W - Connected	APS2000Wv2 110VAC	-	Yes	-	APS2000W-200NES/AJS
APS2000W-200NES/AJS	Disconnected	APS2000Wv2 110VAC	-	Yes	-	APS2000W-200NES/AJS
APS2000W-200NES/AJS	240W - Connected	APS2000Wv2 220VAC	-	Yes	-	APS2000W-200NES/AJS
APS2000W-200NES/AJS	Disconnected	APS2000Wv2 220VAC	-	Yes	-	APS2000W-200NES/AJS
Modular PSUs						

RPS+EPS Wattages*-at-a-Glance

Model Name	Internal PSU	PSU Slot 1	PSU Slot 2	Switch Operational Without PoE?	Available PoE Budget	Model Number
M4350-24X4V	880W - Connected	Disconnected	-	Yes	576W	XSM4328CV
APS350W-100NES/AJS	880W - Connected	APS350W	-	Yes	700W	APS350W-100NES/AJS
APS350W-100NES/AJS	Disconnected	APS350W	-	Yes	146W	APS350W-100NES/AJS
APS600W-200NES/AJS	880W - Connected	APS600Wv2	-	Yes	720W	APS600W-200NES/AJS
APS600W-200NES/AJS	Disconnected	APS600Wv2	-	Yes	396W	APS600W-200NES/AJS
APS920W-100NES/AJS	880W - Connected	APS920W	-	Yes	720W	APS920W-100NES/AJS
APS920W-100NES/AJS	Disconnected	APS920W	-	Yes	716W	APS920W-100NES/AJS
APS2000W-100NES/AJS	880W - Connected	APS2000W 110VAC	-	Yes	720W	APS2000W-100NES/AJS
APS2000W-100NES/AJS	Disconnected	APS2000W 110VAC	-	Yes	720W	APS2000W-100NES/AJS
APS2000W-100NES/AJS	880W - Connected	APS2000W 220VAC	-	Yes	720W	APS2000W-100NES/AJS
APS2000W-100NES/AJS	Disconnected	APS2000W 220VAC	-	Yes	720W	APS2000W-100NES/AJS
M4350-24F4V	240W - Connected	Disconnected	-	Yes	-	XSM4328FV
APS350W-100NES/AJS	240W - Connected	APS350W	-	Yes	-	APS350W-100NES/AJS
APS350W-100NES/AJS	Disconnected	APS350W	-	Yes	-	APS350W-100NES/AJS
APS600W-200NES/AJS	240W - Connected	APS600Wv2	-	Yes	-	APS600W-200NES/AJS
APS600W-200NES/AJS	Disconnected	APS600Wv2	-	Yes	-	APS600W-200NES/AJS
APS920W-100NES/AJS	240W - Connected	APS920W	-	Yes	-	APS920W-100NES/AJS
APS920W-100NES/AJS	Disconnected	APS920W	-	Yes	-	APS920W-100NES/AJS
APS2000W-100NES/AJS	240W - Connected	APS2000W 110VAC	-	Yes	-	APS2000W-100NES/AJS
APS2000W-100NES/AJS	Disconnected	APS2000W 110VAC	-	Yes	-	APS2000W-100NES/AJS
APS2000W-100NES/AJS	240W - Connected	APS2000W 220VAC	-	Yes	-	APS2000W-100NES/AJS
APS2000W-100NES/AJS	Disconnected	APS2000W 220VAC	-	Yes	-	APS2000W-100NES/AJS
M4350-36X4V	750W - Connected	Disconnected	-	Yes	280W	XSM4340CV
APS600W-300NES/AJS	750W - Connected	APS600Wv3	-	Yes	640W	APS600W-300NES/AJS
APS600W-300NES/AJS	Disconnected	APS600Wv3	-	Yes	280W	APS600W-300NES/AJS
APS1200W-200NES/AJS	750W - Connected	APS1200Wv2 110VAC	-	Yes	960W	APS1200W-200NES/AJS
APS1200W-200NES/AJS	Disconnected	APS1200Wv2 110VAC	-	Yes	680W	APS1200W-200NES/AJS
APS1200W-200NES/AJS	750W - Connected	APS1200Wv2 220VAC	-	Yes	1,120W	APS1200W-200NES/AJS
APS1200W-200NES/AJS	Disconnected	APS1200Wv2 220VAC	-	Yes	880W	APS1200W-200NES/AJS
APS2000W-200NES/AJS	750W - Connected	APS2000Wv2 110VAC	-	Yes	960W	APS2000W-200NES/AJS
APS2000W-200NES/AJS	Disconnected	APS2000Wv2 110VAC	-	Yes	680W	APS2000W-200NES/AJS
APS2000W-200NES/AJS	750W - Connected	APS2000Wv2 220VAC	-	Yes	1,760W	APS2000W-200NES/AJS
APS2000W-200NES/AJS	Disconnected	APS2000Wv2 220VAC	-	Yes	1,680W	APS2000W-200NES/AJS

RPS+EPS Wattages*-at-a-Glance

Model Name	Internal PSU	Modular PSUs		Switch Operational Without PoE?	Available PoE Budget	Model Number
		PSU Slot 1	PSU Slot 2			
M4350-24X8F8V	750W - Connected	Disconnected	-	Yes	290W	XSM4340V
APS600W-300NES/AJS	750W - Connected	APS600Wv3	-	Yes	650W	APS600W-300NES/AJS
APS600W-300NES/AJS	Disconnected	APS600Wv3	-	Yes	290W	APS600W-300NES/AJS
APS1200W-200NES/AJS	750W - Connected	APS1200Wv2 110VAC	-	Yes	970W	APS1200W-200NES/AJS
APS1200W-200NES/AJS	Disconnected	APS1200Wv2 110VAC	-	Yes	690W	APS1200W-200NES/AJS
APS1200W-200NES/AJS	750W - Connected	APS1200Wv2 220VAC	-	Yes	1,130W	APS1200W-200NES/AJS
APS1200W-200NES/AJS	Disconnected	APS1200Wv2 220VAC	-	Yes	890W	APS1200W-200NES/AJS
APS2000W-200NES/AJS	750W - Connected	APS2000Wv2 110VAC	-	Yes	970W	APS2000W-200NES/AJS
APS2000W-200NES/AJS	Disconnected	APS2000Wv2 110VAC	-	Yes	690W	APS2000W-200NES/AJS
APS2000W-200NES/AJS	750W - Connected	APS2000Wv2 220VAC	-	Yes	1,770W	APS2000W-200NES/AJS
APS2000W-200NES/AJS	Disconnected	APS2000Wv2 220VAC	-	Yes	1,690W	APS2000W-200NES/AJS
M4350-32F8V	420W - Connected	Disconnected	-	Yes	-	XSM4340FV
APS600W-300NES/AJS	420W - Connected	APS600Wv3	-	Yes	-	APS600W-300NES/AJS
APS600W-300NES/AJS	Disconnected	APS600Wv3	-	Yes	-	APS600W-300NES/AJS
APS1200W-200NES/AJS	420W - Connected	APS1200Wv2 110VAC	-	Yes	-	APS1200W-200NES/AJS
APS1200W-200NES/AJS	Disconnected	APS1200Wv2 110VAC	-	Yes	-	APS1200W-200NES/AJS
APS1200W-200NES/AJS	420W - Connected	APS1200Wv2 220VAC	-	Yes	-	APS1200W-200NES/AJS
APS1200W-200NES/AJS	Disconnected	APS1200Wv2 220VAC	-	Yes	-	APS1200W-200NES/AJS
APS2000W-200NES/AJS	420W - Connected	APS2000Wv2 110VAC	-	Yes	-	APS2000W-200NES/AJS
APS2000W-200NES/AJS	Disconnected	APS2000Wv2 110VAC	-	Yes	-	APS2000W-200NES/AJS
APS2000W-200NES/AJS	420W - Connected	APS2000Wv2 220VAC	-	Yes	-	APS2000W-200NES/AJS
APS2000W-200NES/AJS	Disconnected	APS2000Wv2 220VAC	-	Yes	-	APS2000W-200NES/AJS
M4350-16V4C	420W - Connected	Disconnected	-	Yes	-	VSM4320C
APS600W-300NES/AJS	420W - Connected	APS600Wv3	-	Yes	-	APS600W-300NES/AJS
APS600W-300NES/AJS	Disconnected	APS600Wv3	-	Yes	-	APS600W-300NES/AJS
APS1200W-200NES/AJS	420W - Connected	APS1200Wv2 110VAC	-	Yes	-	APS1200W-200NES/AJS
APS1200W-200NES/AJS	Disconnected	APS1200Wv2 110VAC	-	Yes	-	APS1200W-200NES/AJS
APS1200W-200NES/AJS	420W - Connected	APS1200Wv2 220VAC	-	Yes	-	APS1200W-200NES/AJS
APS1200W-200NES/AJS	Disconnected	APS1200Wv2 220VAC	-	Yes	-	APS1200W-200NES/AJS
APS2000W-200NES/AJS	420W - Connected	APS2000Wv2 110VAC	-	Yes	-	APS2000W-200NES/AJS
APS2000W-200NES/AJS	Disconnected	APS2000Wv2 110VAC	-	Yes	-	APS2000W-200NES/AJS
APS2000W-200NES/AJS	420W - Connected	APS2000Wv2 220VAC	-	Yes	-	APS2000W-200NES/AJS
APS2000W-200NES/AJS	Disconnected	APS2000Wv2 220VAC	-	Yes	-	APS2000W-200NES/AJS

* 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.

RPS+EPS Wattages*-at-a-Glance

Model Name	Internal PSU	Modular PSUs		Switch Operational Without PoE?	Available PoE Budget	Model Number
		PSU Slot 1	PSU Slot 2			
M4350-40X4C	750W - Connected	Disconnected	-	Yes	196W	XSM4344C
APS600W-300NES/AJS	750W - Connected	APS600Wv3	-	Yes	556W	APS600W-300NES/AJS
APS600W-300NES/AJS	Disconnected	APS600Wv3	-	Yes	196W	APS600W-300NES/AJS
APS1200W-200NES/AJS	750W - Connected	APS1200Wv2 110VAC	-	Yes	876W	APS1200W-200NES/AJS
APS1200W-200NES/AJS	Disconnected	APS1200Wv2 110VAC	-	Yes	596W	APS1200W-200NES/AJS
APS1200W-200NES/AJS	750W - Connected	APS1200Wv2 220VAC	-	Yes	1,036W	APS1200W-200NES/AJS
APS1200W-200NES/AJS	Disconnected	APS1200Wv2 220VAC	-	Yes	796W	APS1200W-200NES/AJS
APS2000W-200NES/AJS	750W - Connected	APS2000Wv2 110VAC	-	Yes	876W	APS2000W-200NES/AJS
APS2000W-200NES/AJS	Disconnected	APS2000Wv2 110VAC	-	Yes	596W	APS2000W-200NES/AJS
APS2000W-200NES/AJS	750W - Connected	APS2000Wv2 220VAC	-	Yes	1,676W	APS2000W-200NES/AJS
APS2000W-200NES/AJS	Disconnected	APS2000Wv2 220VAC	-	Yes	1,596W	APS2000W-200NES/AJS
M4350-40F4C	420W - Connected	Disconnected	-	Yes	-	XSM4344FC
APS600W-300NES/AJS	420W - Connected	APS600Wv3	-	Yes	-	APS600W-300NES/AJS
APS600W-300NES/AJS	Disconnected	APS600Wv3	-	Yes	-	APS600W-300NES/AJS
APS1200W-200NES/AJS	420W - Connected	APS1200Wv2 110VAC	-	Yes	-	APS1200W-200NES/AJS
APS1200W-200NES/AJS	Disconnected	APS1200Wv2 110VAC	-	Yes	-	APS1200W-200NES/AJS
APS1200W-200NES/AJS	420W - Connected	APS1200Wv2 220VAC	-	Yes	-	APS1200W-200NES/AJS
APS1200W-200NES/AJS	Disconnected	APS1200Wv2 220VAC	-	Yes	-	APS1200W-200NES/AJS
APS2000W-200NES/AJS	420W - Connected	APS2000Wv2 110VAC	-	Yes	-	APS2000W-200NES/AJS
APS2000W-200NES/AJS	Disconnected	APS2000Wv2 110VAC	-	Yes	-	APS2000W-200NES/AJS
APS2000W-200NES/AJS	420W - Connected	APS2000Wv2 220VAC	-	Yes	-	APS2000W-200NES/AJS
APS2000W-200NES/AJS	Disconnected	APS2000Wv2 220VAC	-	Yes	-	APS2000W-200NES/AJS
M4350-16C	420 W - Connected	Disconnected	-	Yes	-	CSM4316
APS600W-300NES/AJS	420 W - Connected	APS600Wv3	-	Yes	-	APS600W-300NES/AJS
APS600W-300NES/AJS	Disconnected	APS600Wv3	-	Yes	-	APS600W-300NES/AJS
APS1200W-200NES/AJS	420 W - Connected	APS1200Wv2 110VAC	-	Yes	-	APS1200W-200NES/AJS
APS1200W-200NES/AJS	Disconnected	APS1200Wv2 110VAC	-	Yes	-	APS1200W-200NES/AJS
APS1200W-200NES/AJS	420 W - Connected	APS1200Wv2 220VAC	-	Yes	-	APS1200W-200NES/AJS
APS1200W-200NES/AJS	Disconnected	APS1200Wv2 220VAC	-	Yes	-	APS1200W-200NES/AJS
APS2000W-200NES/AJS	420 W - Connected	APS2000Wv2 110VAC	-	Yes	-	APS2000W-200NES/AJS
APS2000W-200NES/AJS	Disconnected	APS2000Wv2 110VAC	-	Yes	-	APS2000W-200NES/AJS
APS2000W-200NES/AJS	420 W - Connected	APS2000Wv2 220VAC	-	Yes	-	APS2000W-200NES/AJS
APS2000W-200NES/AJS	Disconnected	APS2000Wv2 220VAC	-	Yes	-	APS2000W-200NES/AJS

* 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*			
	PoE Power Load	Fan Duty	Ambient	Case Temp (Top)	Acoustic	Fan Duty %	Case Temp (Top)	Acoustic	Model Number
M4350-24G4XF	720W	28	25°C	33.1°C	33dBA	60	31.9°C	52dBA	GSM4328
	720W	60	45°C	48.2°C	52dBA				
M4350-48G4XF	1,440W	28	25°C	33.4°C	33dBA	60	31.3°C	52dBA	GSM4352
	1,440W	60	45°C	48.5°C	52dBA				
M4350-8M2V	551W	32	25°C	47.6°C	32.2dBA	100	28.3°C	59.4dBA	MSM4310
	551W	65	45°C	56.9°C	51.2 dBA				
M4350-16M4V	1130W	22	25°C	41.5°C	35.6dBA	100	32.8°C	70.7dBA	MSM4320
	1130W	60	40°C	50.1°C	58.8 dBA				
M4350-24M4X4V	2,520W	30	25°C	29.4°C	34.8 dBA	100	27.3°C	66dBA	MSM4332
	2,520W	60	45°C	47.3°C	51.5 dBA				
M4350-44M4X4V	3,314W	28	25°C	43.3°C	34dBA	60	38.3°C	52dBA	MSM4352
	3,314W	60	45°C	50.1°C	52dBA				
M4350-24F4X	N/A	25	25°C	33.6°C	30dBA	100	28°C	66.9dBA	MSM4328F
	N/A	70	50°C	54.4°C	58.8dBA				
M4350-8X8F	N/A	27	25°C	34.4°C	34.43dBA	70	30.3°C	56.3dBA	XSM4316
	N/A	70	50°C	51.7°C	56.3dBA				
M4350-12X12F	N/A	27	25°C	31.9°C	34.34dBA	100	29.5°C	64dBA	XSM4324
	N/A	100	50°C	51.5°C	64dBA				
M4350-24X4V	720W	30	25°C	32.3°C	34.7dBA	70	29.6°C	57.2dBA	XSM4328CV
	720W	70	45°C	46.6°C	57.2dBA				

* 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.

Acoustic-at-a-Glance

Model Name	QUIET MODE Setting at ambient* (Default mode)					COOL MODE Setting at ambient*			
	PoE Power Load	Fan Duty	Ambient	Case Temp (Top)	Acoustic	Fan Duty	Case Temp (Top)	Acoustic	Model Number
M4350-24F4V	N/A	30	25°C	34.2°C	34.2dBA	85	30.3°C	61.8dBA	XSM4328FV
	N/A	85	50°C	52.4°C	61.8dBA				
M4350-36X4V	1760W	25	25°C	39°C	32.1dBA	60	30.4°C	54dBA	XSM4340CV
	1760W	60	45°C	49.2°C	54dBA				
M4350-24X8F8V	1770W	25	25°C	39.9°C	32.6dBA	60	31°C	53.3dBA	XSM4340V
	1770W	60	45°C	48.5°C	53.3dBA				
M4350-32F8V	N/A	25	25°C	35°C	32.7dBA	80	28.9°C	63dBA	XSM4340FV
	N/A	80	50°C	52.1°C	63dBA				
M4350-16V4C	N/A	28	25°C	38.2°C	36.4dBA	60	30.8°C	55dBA	VSM4320C
	N/A	60	45°C	56°C	55dBA				
M4350-40X4C	1676W	25	25°C	39.9°C	34.1dBA	60	33.9°C	54.3dBA	XSM4344C
	1676W	60	45°C	49.6°C	54.3dBA				
M4350-40F4C	N/A	25	25°C	34.9°C	34dBA	100	28.3°C	69.5dBA	XSM4344FC
	N/A	60	45°C	51.7°C	55dBA				
M4350-16C	N/A	22	25°C	32.5°C	30.4dBA	100	27.9°C	68.7dBA	CSM4316
	N/A	70	45°C	51.2°C	60.2dBA				

* 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
M4350 series	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				LLDP-MED							
	Stacking** NSF with Hitless Failover	AV-related controls	1 Kbps shaping Time-based	IGMPv3 MLDv2 Snooping, Proxy ASM & SSM		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	DHCPv4 Server	DHCP Relay	
	SNMP, MIBs RSPAN	AVB profile	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	Private VLANs	IP Source Guard	Stateful DHCPv6 Server		
	Radius Users, TACACS	Video over IP profiles		Control Packet Flooding					Seven (7) L2/L3/L4 hashing algorithm				
M4350-8M2V M4350-16M4V M4350-24M4X4V M4350-24F4X M4350-16V4C M4350-40X4C M4350-40F4C M4350-16C		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/two-step PTP to the Grand-Master and the AV end-points								MSM4310 MSM4320 MSM4332 MSM4328F VSM4320C XSM4344C XSM4344FC CSM4316

* 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	DDR4 RAM	CPU	IP Multicast Routing Entries	Jumbo Frames	Multicast IGMP Group Membership	VLANs	DHCP	Model Number
M4350-24G4XF	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	2 GB	Quad-Core Cortex-A57 ARMv8 1.8Ghz 64-bit	512 IPv4 256 IPv6	Up to 12K	2K IPv4 2K IPv6	4K VLANs	DHCP Server: 2K leases IPv4: 256 pools IPv6: 16 pools	GSM4328
M4350-48G4XF	16K MAC 4K ARP/ 512 NDP	176 Gbps Line-Rate	130.94 Mpps		32Mb	<2.20µs 1G <0.70µs 10G fiber	2 GB							GSM4352
M4350-8M2V	16K MAC 4K ARP/ 512 NDP	140 Gbps Line-Rate	104.16 Mpps		32Mb	<5.50µs 2.5G <0.70µs @ 10G fiber <0.64µs@ 25G	4 GB							MSM4310
M4350-16M4V	16K MAC 4K ARP/ 512 NDP	280 Gbps Line-Rate	208.32 Mpps		32Mb	<5.30µs 2.5G <0.80µs 10G fiber <0.70µs 25G	4 GB							MSM4320
M4350-24M4X4V	16K MAC 4K ARP/ 512 NDP	400 Gbps Line-Rate	297.6 Mpps		32Mb	<5.50µs 2.5G <2.28µs @ 10G copper <0.65µs@ 25G	4 GB							MSM4332
M4350-44M4X4V	16K MAC 4K ARP/ 512 NDP	500 Gbps Line-Rate	372 Mpps		32Mb	<5.61µs 2.5G <2.27µs 10G copper <0.75µs 25G	2 GB							MSM4352
M4350-24F4X	16K MAC 4K ARP/ 512 NDP	200 Gbps Line-Rate	148.8 Mpps		32Mb	"<1.25µs 1G <2.24µs 10G copper <0.98µs 10G fiber"	4 GB							MSM4328F
M4350-8X8F	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	2 GB							XSM4316
M4350-12X12F	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	2 GB							XSM4324
M4350-24X4V	16K MAC 4K ARP/ 512 NDP	680 Gbps Line-Rate	505.92 Mpps		32Mb	<2.43µs 1G <2.20µs 10G copper <0.97µs 25G	2 GB							XSM4328CV
M4350-24F4V	16K MAC 4K ARP/ 512 NDP	680 Gbps Line-Rate	505.92 Mpps		32Mb	<1.06µs 1G <0.63µs 10G fiber <0.67µs 25G	2 GB							XSM4328FV
M4350-36X4V	16K MAC 4K ARP/ 512 NDP	920 Gbps Line-Rate	684.48 Mpps		64Mb	<2.54µs 1G <2.75µs 10G copper <1.08µs 25G	4 GB							XSM4340CV
M4350-24X8F8V	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	4 GB							XSM4340V
M4350-32F8V	16K MAC 4K ARP/ 512 NDP	1.04 Tbps Line-Rate	773.76 Mpps		64Mb	<1.27µs 10G fiber <1.08µs 25G	4 GB							XSM4340FV

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	DDR4 RAM	CPU	IP Multicast Routing Entries	Jumbo Frames	Multicast IGMP Group Membership	VLANs	DHCP	Model Number
M4350-16V4C	16K MAC 4K ARP/ 512 NDP	1.6 Tbps Line-Rate	1190.4 Mpps	Static: 256v4/64v6 RIP: 512 OSPF: 1,024	256Mb	<2.71µs 10G fiber <1.08µs 25G <1.13µs 100G	4 GB	Quad-Core Cortex-A57 ARMv8 1.8Ghz 64-bit	512 IPv4 256 IPv6	Up to 12K	2K IPv4 2K IPv6	4K VLANs	DHCP Server: 2K leases IPv4: 256 pools IPv6: 16 pools	VSM4320C
M4350-40X4C	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	4 GB							XSM4344C
M4350-40F4C	16K MAC 4K ARP/ 512 NDP	1.6 Tbps Line-Rate	1190.4 Mpps		256Mb	<1.83µs 1G fiber <1.20µs 10G fiber <1.30µs 100G	4 GB							XSM4344FC
M4350-16C	16K MAC 4K ARP/ 512 NDP	3.2 Tbps Line-Rate	2380.8 Mpps		256Mb	<1.32µs 25G fiber <1.22µs 100G	4 GB							CSM4316



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 M4350-8M2V Fully Managed Switch (MSM4310) - 8x2.5G PoE++ and 2xSFP28 25G (119W base, up to 551W)		
North America; Europe		MSM4310-100NES (NA, UK, EU)
North America; TAA Compliant		MSM4310-TAANES (NA, UK, EU)
Asia Pacific		MSM4310-100AJS (JP, AU)
Asia Pacific		MSM4310-100PRS (CCC)
NETGEAR M4350-16M4V Fully Managed Switch (MSM4320) - 16x2.5G PoE++ incl. 8 etherCON Neutrik and 4xSFP28 25G (530W base, up to 1,130W)		
The M4350-16M4V Neutrik Managed Switch (MSM4320) ships with one APM414V interface card with 4x 25G SFP28 ports		
North America; Europe		MSM4320-100NES (NA, UK, EU)
North America; TAA Compliant		MSM4320-TAANES (NA, UK, EU)
Asia Pacific		MSM4320-100AJS (JP, AU)
Asia Pacific		MSM4320-100PRS (CCC)
NETGEAR APM414C Interface Card* for M4350-16M4V (APM414C) - 4x10G RJ-45 ports		
Worldwide		APM414C-10000S
NETGEAR APM414V Interface Card* for M4350-16M4V (APM414V) - 4xSFP28 25G ports		
Worldwide		APM414V-10000S
NETGEAR APM414SD Interface Card* for M4350-16M4V (APM414SD) - 2x Neutrik opticalCON QUAD connectors for 4x MMF transceivers		
Worldwide		APM414SD-10000S
NETGEAR APM414LD Interface Card* for M4350-16M4V (APM414LD) - 2x Neutrik opticalCON QUAD connectors for 4x SMF transceivers		
Worldwide		APM414LD-10000S



GSM4328



GSM4352



MSM4310



MSM4320



APM414C



APM414V



APM414SD



APM414LD

* Interface card options:

- 2x Neutrik opticalCON QUAD connectors for either MMF or SMF 10G, or 25G fiber transceivers (4x)
- 4x10G RJ-45 (standard ports)
- 4x25G SFP28 (standard ports)

Ordering Information

NETGEAR M4350-24M4X4V Fully Managed Switch (MSM4332) - 24x2.5G, 4x10G/Multi-Gig PoE++ and 4xSFP28 25G (522W base, up to 2,520W)	
North America; Europe	MSM4332-100NES (NA, UK, EU)
North America; TAA Compliant	MSM4332-TAANES (NA, UK, EU)
Asia Pacific	MSM4332-100AJS (JP, AU)
Asia Pacific	MSM4332-100PRS (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 M4350-24F4X 24xSFP and 4x10G Combo Copper / SFP+ - 24xSFP 1G/2.5G and 4x10G Combo Copper / SFP+	
North America; Europe	MSM4328F-100NES (NA, UK, EU)
North America; TAA Compliant	MSM4328F-TAANES (NA, UK, EU)
Asia Pacific	MSM4328F-100AJS (JP, AU)
Asia Pacific	MSM4328F-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)



MSM4332



MSM4352



MSM4328F



XSM4316



XSM4324



XSM4328CV

Ordering Information

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)
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)



XSM4328FV



XSM4340CV



XSM4340V



XSM4340FV





VSM4320C



XSM4344C

Ordering Information

NETGEAR M4350-40F4C Fully Managed Switch (XSM4344FC) - 40xSFP+ and 4xQSFP28 100G			 <p>XSM4344FC</p>
North America; Europe		XSM4344FC-100NES (NA, UK, EU)	
North America; TAA Compliant		XSM4344FC-TAANES (NA, UK, EU)	
Asia Pacific		XSM4344FC-100AJS (JP, AU)	
Asia Pacific		XSM4344FC-100PRS (CCC)	
NETGEAR M4350-16C Fully Managed Switch (CSM4316) - 16xQSFP28 100G			 <p>CSM4316</p>
North America; Europe		CSM4316-100NES (NA, UK, EU)	
North America; TAA Compliant		CSM4316-TAANES (NA, UK, EU)	
Asia Pacific		CSM4316-100AJS (JP, AU)	
Asia Pacific		CSM4316-100PRS (CCC)	
NETGEAR APS350W - 350W Power Supply Unit for M4350-24G4XF (GSM4328); M4350-48G4XF (GSM4352); M4350-44M4X4V (MSM4352); M4350-24X4V (XSM4328CV); M4350-24F4V (XSM4328FV)			<p>M4350-24G4XF (GSM4328) M4350-48G4XF (GSM4352) M4350-44M4X4V (MSM4352) M4350-24X4V (XSM4328CV) M4350-24F4V (XSM4328FV)</p>
North America; Europe		APS350W-100NES (NA, UK, EU)	
Asia Pacific		APS350W-100AJS (JP, AU)	
Asia Pacific		APS350W-10000S (no power cords)	
NETGEAR APS600Wv2 - 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)	

Ordering Information

NETGEAR APS920W - 920W Power Supply Unit for M4350-24G4XF (GSM4328); M4350-48G4XF (GSM4352); M4350-44M4X4V (MSM4352); M4350-24X4V (XSM4328CV); M4350-24F4V (XSM4328FV)		
North America; Europe	APS920W-100NES (NA, UK, EU)	
Asia Pacific	APS920W-100AJS (JP, AU)	M4350-24G4XF (GSM4328)
Asia Pacific	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)
North America; Europe	APS2000W-100NES (NA, UK, EU)	M4350-24X4V (XSM4328CV)
Asia Pacific	APS2000W-100AJS (JP, AU)	M4350-24F4V (XSM4328FV)
Asia Pacific	APS2000W-10000S (no power cords)	
NETGEAR APS600Wv3 - 600W Power Supply Unit for M4350-24M4X4V (MSM4332), M4350-24F4X (MSM4328F), M4350-36X4V (XSM4340CV), M4350-24X8F8V (XSM4340V), M4350-32F8V (XSM4340FV), M4350-16V4C (VSM4320C), M4350-40X4C (XSM4344C), M4350-40F4C (XSM4344FC), M4350-16C (CSM4316)		
North America; Europe	APS600W-300NES (NA, UK, EU)	
Asia Pacific	APS600W-300AJS (JP, AU)	M4350-24M4X4V (MSM4332)
Asia Pacific	APS600W-30000S (no power cords)	M4350-24F4X (MSM4328F)
NETGEAR APS1200Wv2 - 1200W Power Supply Unit for M4350-24M4X4V (MSM4332), M4350-24F4X (MSM4328F), M4350-36X4V (XSM4340CV), M4350-24X8F8V (XSM4340V), M4350-32F8V (XSM4340FV), M4350-16V4C (VSM4320C), M4350-40X4C (XSM4344C), M4350-40F4C (XSM4344FC), M4350-16C (CSM4316)		M4350-36X4V (XSM4340CV)
North America; Europe	APS1200W-200NES (NA, UK, EU)	M4350-24X8F8V (XSM4340V)
Asia Pacific	APS1200W-200AJS (JP, AU)	M4350-32F8V (XSM4340FV)
Asia Pacific	APS1200W-20000S (no power cords)	M4350-16V4C (VSM4320C)
NETGEAR APS2000Wv2 - 2000W Power Supply Unit for M4350-24M4X4V (MSM4332), M4350-24F4X (MSM4328F), M4350-36X4V (XSM4340CV), M4350-24X8F8V (XSM4340V), M4350-32F8V (XSM4340FV), M4350-16V4C (VSM4320C), M4350-40X4C (XSM4344C), M4350-40F4C (XSM4344FC), M4350-16C (CSM4316)		M4350-40X4C (XSM4344C)
North America; Europe	APS2000W-200NES (NA, UK, EU)	M4350-40F4C (XSM4344FC)
Asia Pacific	APS2000W-200AJS (JP, AU)	M4350-16C (CSM4316)
Asia Pacific	APS2000W-20000S (no power cords)	
NETGEAR APS254W - 254W External Power Adapter for M4350-8M2V (MSM4310) and M4250-8G2XF-PoE+ (GSM4210PX)		
Worldwide	APS254W-10000S (no power cord)	M4350-8M2V (MSM4310)
NETGEAR PST4310 - Half-width PSU Tray for M4350-8M2V (MSM4310)		
Worldwide	PST4310-10000S	

** 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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PB-M4350-8Jan26