

# AV over IP Switch Reference Guide

Model	SKU	Copper 1G	Copper 2.5G	Copper 10G	SFP 1G	SFP+ 10G	SFP28 25G	QSFP28 100G	Management / IGMP Support	PoE Type	PoE Ports	PoE Budget / Power Supplies @ 110VAC
<b>M4250 AV Line Managed Switches</b> <i>Audio: Dante, Q-SYS, AES67, AVB; Video: NVX, AMX, ZeeVee, Aurora, Kramer, Atona, ATEN, JustAddPower, Evertz, LibAV, Visionary, Wyrestorm, Extron NAV, Dante AV, IPMX, SDVoE &amp; etc.</i>												
M4250-9G1F-PoE+	GSM4210PD-100NAS	9	-	-	1	-	-	-	AV GUI with AV Profiles	PoE+	8	110W PoE budget using the external Power Adapter (desktop)
M4250-8G2XF-PoE+	GSM4210PX-100NAS	8	-	-	-	2	-	-		PoE+	8	220W PoE budget using the external Power Adapter (desktop)
M4250-10G2F-PoE+	GSM4212P-100NAS	10	-	-	2	-	-	-	IT GUI	PoE+	8	125W PoE budget using the internal PSU
M4250-10G2XF-PoE+	GSM4212PX-100NAS	10	-	-	-	2	-	-		PoE+	8	240W PoE budget using the internal PSU
M4250-10G2XF-PoE++	GSM4212UX-100NAS	10	-	-	-	2	-	-	CLI/Telnet/SSH	PoE++ (90W)	8	720W PoE budget using the internal PSU
M4250-12M2XF	MSM4214X-100NAS <a href="#">MSM4214X-TAANAS</a>		12	-	-	2	-	-	API	-	-	One internal PSU
M4250-16XF	XSM4216F-100NAS		-	-	-	16	-	-	NETGEAR Engage™ Controller	-	-	One internal PSU
M4250-26G4F-PoE+	GSM4230P-100NAS	26	-	-	4	-	-	-	NETGEAR IGMP Plus™ across multiple switches	PoE+	24	300W PoE budget using the internal PSU
M4250-26G4F-PoE++	GSM4230UP-100NAS	26	-	-	4	-	-	-		PoE++ (90W)	24	720W PoE budget using one of the two internal PSUs 1,440W PoE budget using the two internal PSUs (720W Redundant 1+1)
M4250-26G4XF-PoE+	GSM4230PX-100NAS <a href="#">GSM4230PX-TAANAS</a>	26	-	-	-	4	-	-	Auto-Trunk and Auto-LAG between switches	PoE+	24	480W PoE budget using the internal PSU
M4250-40G8F-PoE+	GSM4248P-100NAS	40	-	-	8	-	-	-		PoE+	40	480W PoE budget using the internal PSU
M4250-40G8XF-PoE+	GSM4248PX-100NAS <a href="#">GSM4248PX-TAANAS</a>	40	-	-	-	8	-	-	Auto-Trunk and Auto-LAG between switches	PoE+	40	960W PoE budget using the internal PSU
M4250-40G8XF-PoE++	GSM4248UX-100NAS	40	-	-	-	8	-	-		PoE++ (90W)	40	720W PoE budget using one of the three internal PSUs 1,650W PoE budget using two of the three internal PSUs (720W Redundant 1+1) 2,880W PoE budget using the three internal PSUs (1,650W Redundant 2+1)
<b>M4350 AV Line Managed Switches</b> <i>Audio: Dante, Q-SYS, AES67, AVB; Video: NVX, AMX, ZeeVee, Aurora, Kramer, Atona, ATEN, JustAddPower, Evertz, LibAV, Visionary, Wyrestorm, Extron NAV, Dante AV, IPMX, SDVoE &amp; etc.</i>												
M4350-24G4XF	GSM4328-100NES	24	-	-	-	4	-	-	AV GUI with AV Profiles	PoE+	24	648W Base PoE budget using the internal PSU 720W Max PoE adding 1 x APS600W-200NES modular PSU (468W Redundant 1+1) 648W Redundant PoE adding 1 x APS920W-100NES modular PSU (1+1 Redundancy) 236W Base PoE budget using the internal PSU
M4350-48G4XF	GSM4352-100NES	48	-	-	-	4	-	-		PoE+	48	1,436W Max PoE adding 2 x APS2000W-100NES modular PSUs (836W Redundant 1+1) 756W Redundant PoE adding 2 x APS920W-100NES modular PSUs (1+1 Redundancy) 194W Base PoE budget using the internal PSU
M4350-44M4X4V	MSM4352-100NES <a href="#">MSM4352-TAANES</a>	-	44	4 (Multi-Gig)	-	-	4	-	IT GUI	PoE++ (90W)	48	1,394W Max PoE adding 2 x APS2000W-100NES modular PSUs (794W Redundant 1+1) 714W Redundant PoE adding 2 x APS920W-100NES modular PSU (1+1 Redundancy)
M4350-8X8F	XSM4316-100NES	-	-	8 (Multi-Gig)	-	8	-	-	CLI/Telnet/SSH	-	-	One internal PSU
M4350-12X12F	XSM4324-100NES	-	-	12 (Multi-Gig)	-	12	-	-	API	-	-	One internal PSU
M4350-24X4V	XSM4328CV-100NES <a href="#">XSM4328CV-TAANES</a>	-	-	24 (Multi-Gig)	-	-	4	-	NETGEAR Engage™ Controller	PoE+	24	576W Base PoE budget using the internal PSU 720W PoE adding 1 x APS600W-200NES modular PSU (396W Redundant 1+1) 720W Max PoE adding 1 x APS920W-200NES modular PSU (576W Redundant 1+1)
M4350-24F4V	XSM4328FV-100NES	-	-	-	-	24	4	-	NETGEAR IGMP Plus™ across multiple switches	-	-	One internal PSU 1+1 Redundancy adding 1 x APS350W-100NES modular PSU
M4350-36X4V	XSM4340CV-100NES	-	-	36 (Multi-Gig)	-	-	4	-		PoE++ (90W)	36	280W Base PoE budget using the internal PSU 640W PoE adding 1 x APS600W-300NES modular PSU (280W Redundant 1+1) 1,120W Max PoE adding 1 x APS1200W-200NES modular PSU (280W Redundant 1+1)
M4350-24X8F8V	XSM4340V-100NES <a href="#">XSM4340V-TAANES</a>	-	-	24 (Multi-Gig)	-	8	8	-	Auto-Trunk and Auto-LAG between switches	PoE++ (90W)	24	290W Base PoE budget using the internal PSU 650W PoE adding 1 x APS600W-300NES modular PSU (290W Redundant 1+1) 970W Max PoE adding 1 x APS1200W-200NES modular PSU (290W Redundant 1+1)
M4350-32F8V	XSM4340FV-100NES <a href="#">XSM4340FV-TAANES</a>	-	-	-	-	32	8	-		-	-	-
M4350-16V4C*	VSM4320C-100NES <a href="#">VSM4320C-TAANES</a>	-	-	-	-	-	16	4	Auto-Trunk and Auto-LAG between switches	-	-	One internal PSU 1+1 Redundancy adding 1 x APS600W-300NES modular PSU
M4350-40X4C*	XSM4344C-100NES <a href="#">XSM4344C-TAANES</a>	-	-	40 (Multi-Gig)	-	-	-	4		PoE++ (90W)	40	196W Base PoE budget using the internal PSU 556W PoE adding 1 x APS600W-300NES modular PSU (196W Redundant 1+1) 876W Max PoE adding 1 x APS1200W-200NES modular PSU (196W Redundant 1+1)

\* Supports SMPTE ST 2110

# AV over IP Switch Reference Sheet



Model	SKU	Copper 1G	Copper 2.5G	Copper 10G	SFP 1G	SFP+ 10G	QSFP+ 40G	QSFP28 100G	Management / IGMP Support	PoE Type	PoE Ports	PoE Budget / Power Supplies @ 110VAC	
<b>M4300 Managed Switches</b> <i>Audio: Dante, Q-SYS, AES67; Video: NVX, AMX, ZeeVee, Aurora, Kramer, Atlona, ATEN, JustAddPower, Evertz, LibAV, Visionary, Wyrestorm, Extron NAV, Dante AV, IPMX, SDVoE &amp; etc.</i>													
M4300-28G	GSM4328S-100NES	24	-	2	-	2	-	-	AV GUI with AV Profiles	-	-	One modular PSU included (APS150W) 1+1 Redundancy adding 1 x APS150W-100NES modular PSU	
M4300-28G-PoE+ (550W PSU)	GSM4328PA-100NES	24	-	2	-	2	-	PoE+		24	480W Base PoE budget using the included modular PSU (APS550W) 720W PoE adding 1 x APS550W-100NES modular PSU (480W Redundant 1+1)		
M4300-28G-PoE+ (1000W PSU)	GSM4328PB-100NES	24	-	2	-	2	-	PoE+		24	630W Base PoE budget using the included modular PSU (APS1000W) 720W PoE adding 1 x APS1000W-100NES modular PSU (630W Redundant 1+1)		
M4300-52G	GSM4352S-100NES	48	-	2	-	2	-	-	IT GUI	-	-	One modular PSU included (APS150W) 1+1 Redundancy adding 1 x APS150W-100NES modular PSU	
M4300-52G-PoE+ (550W PSU)	GSM4352PA-100NES	48	-	2	-	2	-	-	CLI/Telnet/SSH	PoE+	48	480W Base PoE budget using the included modular PSU (APS550W) 750W PoE adding 1 x APS550W-100NES modular PSU (480W Redundant 1+1)	
M4300-52G-PoE+ (1000W PSU)	GSM4352PB-100NES	48	-	2	-	2	-	-	API	PoE+	48	591W Base PoE budget using the included modular PSU (APS1000W) 1,010W PoE adding 1 x APS1000W-100NES modular PSU (591W Redundant 1+1)	
M4300-8X8F	XSM4316S-100NES	-	-	8	-	8	-	-	NETGEAR Engage™ Controller	-	-	One modular PSU included (APS250W)	
M4300-12X12F	XSM4324S-100NES	-	-	12	-	12	-	-		-	-	-	One modular PSU included (APS250W)
M4300-16X (299W PSU)	XSM4316PA-100NES	-	-	16 (Multi-Gig)	-	-	-	-	NETGEAR IGMP Plus™	PoE+	16	199W PoE budget using the included modular PSU (APS299W)	
M4300-16X (600W PSU)	XSM4316PB-100NES	-	-	16 (Multi-Gig)	-	-	-	-		PoE+	16	500W PoE budget using the included modular PSU (APS600W)	
M4300-24X	XSM4324CS-100NES	-	-	24	-	4	-	-	across multiple switches	-	-	One modular PSU included (APS250W)	
M4300-24X24F	XSM4348S-100NES	-	-	24	-	24	-	-	Auto-Trunk and Auto-LAG between switches	-	-	One modular PSU included (APS250W) 1+1 Redundancy adding 1 x APS250W-100NES modular PSU	
M4300-48X	XSM4348CS-100NES	-	-	48	-	4	-	-		-	-	-	One modular PSU included (APS250W) 1+1 Redundancy adding 1 x APS250W-100NES modular PSU
M4300-96X	XSM4396K0-10000S	-	-	Up to 96 (Multi-Gig)	-	Up to 96	Up to 24	-		PoE+	Up to 48	2 bays for modular PSUs (APS600W or APS1200W) that are sold separately Build your own M4300-96X BOM using <a href="http://www.netgear.com/96x-config">www.netgear.com/96x-config</a> web tool 634W PoE budget adding 2 x APS600W-100NES modular PSUs (34W Redundant 1+1) 1,440W PoE budget adding 2 x APS1200W-100NES modular PSUs (484W Redundant 1+1)	

<b>M4500 Managed Switches</b> <i>Audio: Dante, Q-SYS, AES67; Video: NVX, AMX, ZeeVee, Aurora, Kramer, Atlona, ATEN, JustAddPower, Evertz, LibAV, Visionary, Wyrestorm, Extron NAV, Dante AV, IPMX, SDVoE &amp; etc.</i>												
M4500-32C	CSM4532-100NAS	-	-	-	-	-	-	32	AV GUI with AV Profiles CLI/Telnet/SSH API	NETGEAR IGMP Plus™ across multiple switches		Two modular PSUs included (APS750W) for 1+1 Redundancy
M4500-48XF8C	XSM4556-100NAS	-	-	-	-	-	48	8	NETGEAR Engage™ Controller	Auto-Trunk and Auto-LAG between switches		Two modular PSUs included (APS750W) for 1+1 Redundancy

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