

AV over IP Switch Use Case Guide



Find the right switch for your AV over IP project

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Standalone or Multi-Switch Audio/Video over IP

Dante, Q-SYS, AES67, AVB audio in single or multi-switch installations; NVX, AMX, NDI, SDVoE, etc. video in single or multi-switch installations

Model	SKU	Copper 1G	Copper 2.5G	Copper 10G	SFP 1G	SFP+ 10G	SFP28 25G	QSFP28 100G	Management	PoE Type	PoE Ports / Max Budget	IGMP Support
M4250 AV Line Managed Switches												
M4250-9G1F-PoE+	GSM4210PD	9	-	-	1	-	-	-	AV GUI, IT GUI, CLI, API NETGEAR Engage™ Controller Compatible	PoE+	8 (110W)	NETGEAR IGMP Plus™ across multiple switches
M4250-8G2XF-PoE+	GSM4210PX	8	-	-	-	2	-	PoE+		8 (220W)		
M4250-10G2F-PoE+	GSM4212P	10	-	-	2	-	-	PoE+		8 (125W)		
M4250-10G2XF-PoE+	GSM4212PX	10	-	-	-	2	-	PoE+		8 (240W)		
M4250-10G2XF-PoE++	GSM4212UX	10	-	-	-	2	-	PoE++ (90W)		8 (720W)		
M4250-12M2XF	MSM4214X	-	12	-	-	2	-	-		-		
M4250-16XF	XSM4216F	-	-	-	-	16	-	-		-		
M4250-26G4F-PoE+	GSM4230P	26	-	-	4	-	-	-		PoE+	24 (300W)	
M4250-26G4F-PoE++	GSM4230UP	26	-	-	4	-	-	-		PoE++ (90W)	24 (1,440W)	
M4250-26G4XF-PoE+	GSM4230PX	26	-	-	-	4	-	-		PoE+	24 (480W)	
M4250-40G8F-PoE+	GSM4248P	40	-	-	8	-	-	-		PoE+	40 (480W)	
M4250-40G8XF-PoE+	GSM4248PX	40	-	-	-	8	-	-		PoE+	40 (960W)	
M4250-40G8XF-PoE++	GSM4248UX	40	-	-	-	8	-	-	PoE++ (90W)	40 (2,880W)		

M4350 AV Line Managed Switches

M4350-24G4XF	GSM4328	24	-	-	-	4	-	-	AV GUI, IT GUI, CLI, API NETGEAR Engage™ Controller Compatible	PoE+	24 (720W)	NETGEAR IGMP Plus™ across multiple switches
M4350-48G4XF	GSM4352	48	-	-	-	4	-	-		PoE+	48 (1,440W)	
M4350-44M4X4V	MSM4352	-	44	4 (Multi-Gig)	-	-	4	-		PoE++ (90W)	48 (3,314W)	
M4350-8X8F	XSM4316	-	-	8 (Multi-Gig)	-	8	-	-		-	-	
M4350-12X12F	XSM4324	-	-	12 (Multi-Gig)	-	12	-	-		-	-	
M4350-24X4V	XSM4328CV	-	-	24 (Multi-Gig)	-	-	4	-		PoE+	24 (720W)	
M4350-24F4V	XSM4328FV	-	-	-	-	24	4	-		-	-	
M4350-36X4V	XSM4340CV	-	-	36 (Multi-Gig)	-	-	4	-		PoE++ (90W)	36 (1,760W)	
M4350-24X8F8V	XSM4340V	-	-	24 (Multi-Gig)	-	8	8	-		PoE++ (90W)	24 (1,770W)	
M4350-32F8V	XSM4340FV	-	-	-	-	32	8	-		-	-	
M4350-16V4C	VSM4320C	-	-	-	-	-	16	4		-	-	
M4350-40X4C	XSM4344C	-	-	40	-	-	-	4		PoE++ (90W)	40 (1,676W)	

Bold Blue SKU = TAA-Compliant SKU Available

Standalone Audio over IP

Dante audio in single switch installations

Model	SKU	Copper 1G	Copper 2.5G	Copper 10G	SFP 1G	SFP+ 10G	QSFP+ 40G	SFP28 100G	Management	PoE Type	PoE Ports / Budget	IGMP Support
Smart Switches												
GS110TPv3	GS110TP	8	-	-	2	-	-	-	Local GUI or Insight Cloud	PoE+	8 (55W)	Yes
MS510TXPP	MS510TXPP	4	4	1	-	1	-	-	Local Web GUI	PoE+	8 (180W)	Yes
MS510TXUP	MS510TXUP	-	4	4	-	-	-	-	Local GUI or Insight Cloud	PoE++ (60W)	8 (295W)	Yes

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Model	SKU	Copper 1G	Copper 2.5G	Copper 10G	SFP 1G	SFP+ 10G	QSFP+ 40G	SFP28 100G	Management	PoE Type	PoE Ports / Budget	IGMP Support
M4300 Managed Switches												
M4300-28G	GSM4328S	24	-	2	-	2	-	-	AV GUI, IT GUI, CLI, API NETGEAR Engage™ Controller Compatible	-	-	NETGEAR IGMP Plus™ across multiple switches
M4300-28G-PoE+ (550W PSU)	GSM4328PA	24	-	2	-	2	-	-		PoE+	24 (480W)	
M4300-28G-PoE+ (1000W PSU)	GSM4328PB	24	-	2	-	2	-	-		PoE+	24 (720W)	
M4300-52G	GSM4352S	48	-	2	-	2	-	-		-	-	
M4300-52G-PoE+ (550W PSU)	GSM4352PA	48	-	2	-	2	-	-		PoE+	48 (480W)	
M4300-52G-PoE+ (1000W PSU)	GSM4352PB	48	-	2	-	2	-	-		PoE+	48 (1,010W)	
M4300-8X8F	XSM4316S	-	-	8	-	8	-	-		-	-	
M4300-12X12F	XSM4324S	-	-	12	-	12	-	-		-	-	
M4300-16X (299W PSU)	XSM4316PA	-	-	16 (Multi-Gig)	-	-	-	-		PoE+	16 (199W)	
M4300-16X (600W PSU)	XSM4316PB	-	-	16 (Multi-Gig)	-	-	-	-		PoE+	16 (500W)	
M4300-24X	XSM4324CS	-	-	24	-	4	-	-		-	-	
M4300-24XF	XSM4324FS	-	-	2	-	24	-	-		-	-	
M4300-24X24F	XSM4348S	-	-	24	-	24	-	-		-	-	
M4300-48X	XSM4348CS	-	-	48	-	4	-	-		-	-	
M4300-48XF	XSM4348FS	-	-	2	-	48	-	-		-	-	
M4300-96X	XSM4396K0	-	-	Up to 96 (Multi-Gig)	-	Up to 96	Up to 24	-		PoE+	Up to 48 (Up to 1,440W)	

M4500 Managed Switches

M4500-32C	CSM4532	-	-	-	-	-	-	32	CLI, API	-	-	NETGEAR IGMP Plus™ across multiple switches
M4500-48XF8C	XSM4556	-	-	-	-	48 (SFP28)	-	8	CLI, API	-	-	NETGEAR IGMP Plus™ across multiple switches

Wireless Access Points

Model	Antennas	WiFi Speed	WiFi	# of Max Users	# of Concurrent Users	Ethernet Ports & Power
WAX610	3.8dBi (2.4GHz) 4.5dBi (5GHz)	AX1800 (Dual-band)	2.4GHz (600Mbps) 5.0GHz (1200Mbps)	250	50	1 LAN 100/1000/ 2.5GBASE-T PoE+ (15.3W) 12V/2.5A
WAX610Y - Outdoor	3.6dBi (2.4GHz) 4.4dBi (5GHz)	AX1800 (Dual-band)	2.4GHz (600Mbps) 5.0GHz (1200Mbps) IP55 (water and dust resistant, long sun exposure, snow, hail, frost, etc.)	250	30	1 LAN 100/1000/ 2.5GBASE-T PoE+ (16.1W) 12V/2.5Atv
WAX615	2.9dBi (2.4GHz) 2.8dBi (5GHz)	AX3000 (Dual-band)	2.4GHz (600Mbps) 5GHz (2400Mbps)	256	60	1 LAN 100/1000/ 2.5GBASE-T PoE+ (21.2W) 12V/2.5A
WAX625	2.4dBi (2.4GHz) 2.9dBi (5GHz)	AX5400 (Dual-band)	2.4GHz (600Mbps) 5GHz (4800Mbps)	275	75	2.5GBASE-T PoE+ (21.2W) & 1G 12V/2.5A
WAX630	2.86dBi (2.4GHz) 4.41dBi (5GHz L) 4.98 dBi (5GHz H)	AX6000 (Tri-band)	2.4GHz (1200Mbps) 5GHz L (2400Mbps) 5GHz H(2400Mbps)	600	100	1 LAN 100/1000/ 2.5GBASE-T PoE+ (30.1W) 12V/3.5A