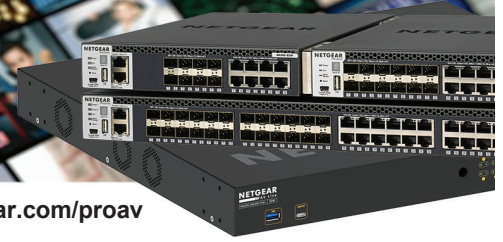


AV over IP Switch Use Case Guide



Find the right switch for your AV over IP project

www.netgear.com/proav

Standalone or Multi-Switch Audio/Video over IP

Dante, Q-SYS, AES67 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 | 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 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 | - | - | |

SUPPORT & DESIGN SERVICES

NETGEAR offers free design services to support partners as they design and deploy professional audio and video solutions which require IP networking infrastructure. This dedicated Pro AV Engineering Services team of experts has been conceived to empower those who are designing and installing AV over IP systems by providing free network design assistance, training, and installation support.

Simply send an email to: ProAVDesign@netgear.com



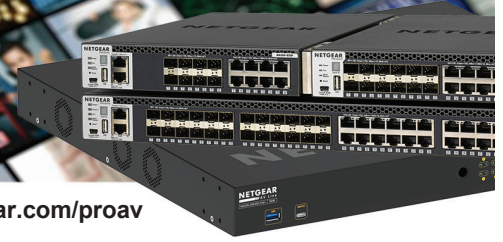
PRO AV TECHNICAL TRAINING

At NETGEAR we believe in working with our partners to empower them with the knowledge to create and sell solutions not just products. As part of this commitment, we offer free online training courses. These user-paced courses provide an overview of many concepts of networking as it pertains to AV signals.

Join the academy: www.netgear.academy



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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 |
|-------|-----|-----------|-------------|------------|--------|----------|-----------|------------|------------|----------|--------------------|--------------|
|-------|-----|-----------|-------------|------------|--------|----------|-----------|------------|------------|----------|--------------------|--------------|

M4250 AV Line Managed Switches

| | | | | | | | | | | | | |
|--------------------|-----------|----|----|---|---|----|---|---|--------------------------|-------------|-------------|---|
| M4250-9G1F-PoE+ | GSM4210PD | 9 | - | - | 1 | - | - | - | AV GUI, IT GUI, CLI, API | PoE+ | 8 (110W) | NETGEAR IGMP Plus™ across multiple switches |
| M4250-8G2XF-PoE+ | GSM4210PX | 8 | - | - | - | 2 | - | - | AV GUI, IT GUI, CLI, API | PoE+ | 8 (220W) | |
| M4250-10G2F-PoE+ | GSM4212P | 10 | - | - | 2 | - | - | - | AV GUI, IT GUI, CLI, API | PoE+ | 8 (125W) | |
| M4250-10G2XF-PoE+ | GSM4212PX | 10 | - | - | - | 2 | - | - | AV GUI, IT GUI, CLI, API | PoE+ | 8 (240W) | |
| M4250-10G2XF-PoE++ | GSM4212UX | 10 | - | - | - | 2 | - | - | AV GUI, IT GUI, CLI, API | PoE++ (90W) | 8 (720W) | |
| M4250-12M2XF | MSM4214X | - | 12 | - | - | 2 | - | - | AV GUI, IT GUI, CLI, API | - | - | |
| M4250-16XF | XSM4216F | - | - | - | - | 16 | - | - | AV GUI, IT GUI, CLI, API | - | - | |
| M4250-26G4F-PoE+ | GSM4230P | 26 | - | - | 4 | - | - | - | AV GUI, IT GUI, CLI, API | PoE+ | 24 (300W) | |
| M4250-26G4F-PoE++ | GSM4230UP | 26 | - | - | 4 | - | - | - | AV GUI, IT GUI, CLI, API | PoE++ (90W) | 24 (1,440W) | |
| M4250-26G4XF-PoE+ | GSM4230PX | 26 | - | - | - | 4 | - | - | AV GUI, IT GUI, CLI, API | PoE+ | 24 (480W) | |
| M4250-40G8F-PoE+ | GSM4248P | 40 | - | - | 8 | - | - | - | AV GUI, IT GUI, CLI, API | PoE+ | 40 (480W) | |
| M4250-40G8XF-PoE+ | GSM4248PX | 40 | - | - | - | 8 | - | - | AV GUI, IT GUI, CLI, API | PoE+ | 40 (960W) | |
| M4250-40G8XF-PoE++ | GSM4248UX | 40 | - | - | - | 8 | - | - | AV GUI, IT GUI, CLI, API | PoE++ (90W) | 40 (2,880W) | |

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 |

Control Networks

Ethernet (data)

| 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 |
|-------|-----|-----------|-------------|------------|--------|----------|-----------|------------|------------|----------|--------------------|--------------|
|-------|-----|-----------|-------------|------------|--------|----------|-----------|------------|------------|----------|--------------------|--------------|

Plus Switches

| | | | | | | | | | | | | |
|---------|---------|---|---|---|---|---|---|---|-------------|-----|---------|-----|
| GS105E | GS105E | 5 | - | - | - | - | - | - | Web Managed | - | - | Yes |
| GS108PE | GS108PE | 8 | - | - | - | - | - | - | Web Managed | PoE | 4 (53W) | Yes |

PRO AV VIDEOS

We understand that knowledge is power. That's why we have created a number of videos to help you understand Networking for AV and how our products excel. From detailed configuration information to short Tech Tips, you'll find all of our videos on our YouTube Channel. www.netgear.com/proavvideo

