



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 4-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 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 | |
| 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 | Out-of-band Console | 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 |
| M4350-44M4X4V | Full width 1U rack mount 440x43.2x400mm | 500 Gbps | - | 44 ports PoE++*** 100M; 1G; 2.5G <--- 194W (base), up to 3,314W ----> | 4 ports PoE++*** 100M; 1G; 2.5G; 5G; 10G | - | 4 ports 1G; 10G; 25G (Ethernet Mode*) (Stacking: 25G**) | - | 1 x Fixed 550W (C14) On/Off switch | 2 slots | | | Ethernet: Out-of-band 1G port (Back) |
| 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; 10G | - | - | 1 x Fixed 240W (C14) On/Off switch | - | | Console: USB-C (Front) | 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; 10G | - | - | 1 x Fixed 240W (C14) On/Off switch | - | | Storage: 2 x USB-A (Back) | XSM4324 |
| M4350-24X4V | Full width 1U rack mount 440x43.2x400mm | 680 Gbps | - | - | 24 ports PoE+ 100M; 1G; 2.5G; 5G; 10G 576W (base), up to 720W | - | 4 ports 1G; 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; 10G | 4 ports 1G; 10G; 25G (Ethernet Mode*) (Stacking: 25G**) | - | 1 x Fixed 240W (C14) On/Off switch | 1 slot | | | XSM4328FV |

* 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 | |
| M4350-36X4V | Full width 1U rack mount 440x43.2x400mm | 920 Gbps | - | - | 36 ports PoE+**** 100M; 1G; 2.5G; 5G; 10G 280W (base), up to 1,760W | - | 4 ports 1G; 10G; 25G (Ethernet Mode*) (Stacking: 25G**) | - | 1 x Fixed 750W (C14) On/Off switch | 1 slot | Fixed Front-to-back | Ethernet: Out-of-band 1G port (Back) | 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; 10G | 8 ports 1G; 10G; 25G (Ethernet Mode*) (Stacking: 25G**) | - | 1 x Fixed 750W (C14) On/Off switch | 1 slot | | | XSM4340V |
| M4350-32F8V | Full width 1U rack mount 440x43.2x400mm | 1.04 Tbps | - | - | - | 32 ports 1G; 10G | 8 ports 1G; 10G; 25G (Ethernet Mode*) (Stacking: 25G**) | 1 x Fixed 420W (C14) On/Off switch | 1 slot | XSM4340FV | | | |
| M4350-16V4C | Full width 1U rack mount 440x43.2x400mm | 1.6 Tbps | - | - | - | - | 16 ports 1G; 10G; 25G (Ethernet Mode*) (Stacking: 25G**) | 4 ports 40G; 100G (Stacking: 100G**) | 1 x Fixed 420W (C14) On/Off switch | 1 slot | | Storage: 2 x USB-A (Back) | VSM4320C |
| M4350-40X4C | Full width 1U rack mount 440x43.2x400mm | 1.6 Tbps | - | - | 40 ports PoE+**** 100M; 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 | | XSM4344C | |

* 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 | | | |
| M4350-24G4XF | 880W - Connected | Disconnected | - | Yes | 648W | GSM4328 | M4350-48G4XF | 550W - Connected | Disconnected | Disconnected | Yes | 236W | GSM4352 |
| | 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 | | | | |
| M4350-48G4XF | 550W - Connected | Disconnected | Disconnected | Yes | 236W | GSM4352 | M4350-44M4X4V | 550W - Connected | Disconnected | Disconnected | Yes | 194W | MSM4352 |
| | 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 | 1,714W | |
| Disconnected | APS2000W 220VAC | APS2000W 220VAC | Yes | 1,440W | Disconnected | APS2000W 220VAC | Disconnected | Yes | 1,794W | | | | |
| M4350-44M4X4V | 550W - Connected | Disconnected | Disconnected | Yes | 194W | MSM4352 | M4350-24X4V | 880W - Connected | Disconnected | - | Yes | 576W | XSM4328CV |
| | 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 | | | |
| M4350-24F4V | 240W - Connected | Disconnected | - | Yes | - | XSM4328FV | M4350-36X4V | 750W - Connected | Disconnected | - | Yes | 280W | XSM4340CV |
| | 240W - Connected | APS350W | - | Yes | - | | | 750W - Connected | APS600Wv3 | - | Yes | 640W | |
| | Disconnected | APS350W | - | Yes | - | | | Disconnected | APS600Wv3 | - | Yes | 280W | |
| | 240W - Connected | APS600Wv2 | - | Yes | - | | | 750W - Connected | APS1200W 110VAC | - | Yes | 960W | |
| | Disconnected | APS600Wv2 | - | Yes | - | | | Disconnected | APS1200W 110VAC | - | Yes | 680W | |
| | 240W - Connected | APS920W | - | Yes | - | | | 750W - Connected | APS1200W 220VAC | - | Yes | 1,120W | |
| | Disconnected | APS920W | - | Yes | - | | | Disconnected | APS1200W 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 | | | | |
| M4350-24X8F8V | 750W - Connected | Disconnected | - | Yes | 290W | XSM4340V | M4350-32F8V | 420W - Connected | Disconnected | - | Yes | - | XSM4340FV |
| | 750W - Connected | APS600Wv3 | - | Yes | 650W | | | 420W - Connected | APS600Wv3 | - | Yes | - | |
| | Disconnected | APS600Wv3 | - | Yes | 290W | | | Disconnected | APS600Wv3 | - | Yes | - | |
| | 750W - Connected | APS1200W 110VAC | - | Yes | 970W | | | 420W - Connected | APS1200W 110VAC | - | Yes | - | |
| | Disconnected | APS1200W 110VAC | - | Yes | 690W | | | Disconnected | APS1200W 110VAC | - | Yes | - | |
| | 750W - Connected | APS1200W 220VAC | - | Yes | 1,130W | | | 420W - Connected | APS1200W 220VAC | - | Yes | - | |
| | Disconnected | APS1200W 220VAC | - | Yes | 890W | | | Disconnected | APS1200W 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 | - | | | | |
| M4350-16V4C | 420W - Connected | Disconnected | - | Yes | - | VSM4320C | M4350-40X4C | 750W - Connected | Disconnected | - | Yes | 196W | XSM4344C |
| | 420W - Connected | APS600Wv3 | - | Yes | - | | | 750W - Connected | APS600Wv3 | - | Yes | 556W | |
| | Disconnected | APS600Wv3 | - | Yes | - | | | Disconnected | APS600Wv3 | - | Yes | 196W | |
| | 420W - Connected | APS1200W 110VAC | - | Yes | - | | | 750W - Connected | APS1200W 110VAC | - | Yes | 876W | |
| | Disconnected | APS1200W 110VAC | - | Yes | - | | | Disconnected | APS1200W 110VAC | - | Yes | 596W | |
| | 420W - Connected | APS1200W 220VAC | - | Yes | - | | | 750W - Connected | APS1200W 220VAC | - | Yes | 1,036W | |
| | Disconnected | APS1200W 220VAC | - | Yes | - | | | Disconnected | APS1200W 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 | |
| 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 | | | | |
| M4350-44M4X4V | 3,314W | 28 | 25°C | 43.3°C | 34dBA | 60 | 38.3°C | 52dBA | MSM4352 |
| | 3,314W | 60 | 45°C | 50.1°C | 52dBA | | | | |
| M4350-8X8F | 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 | | | | |
| 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 | 50°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 | | | | |

* 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 1 Kbps shaping Time-based Single Rate Policing | NETGEAR IGMP™ Plus for automated IGMP between switches IGMPv3 MLDv2 Snooping, Proxy ASM & SSM IGMPv1,v2 Querier (compatible v3) Control Packet Flooding | Select models only | Auto-VoIP | STP, MTP, RSTP PV(R)STP BPDU/STRG Root Guard EEE 802.3az (EEE is disabled by default) | Static, Dynamic, Voice, MAC GVRP/GMRP Double VLAN mode Private VLANs | Auto-Trunk and Auto-LAG between M4250, M4300, and M4350 Switches | Successive Tiering (DOT1X; MAB; Captive Portal) DHCP Snooping Dynamic ARP Inspection IP Source Guard | Port, Subnet, VLAN routing Multicast static routes DHCPv4 Server DHCP Relay Stateful DHCPv6 Server | IPv4: RIP, VRRP IPv4/IPv6: OSPF, Proxy ARP, PIM-SM, PIM-DM, SSM | All models |
| | IT Web GUI (main) HTTPs CLI; Telnet; SSH Stacking NSF with Hitless Failover SNMP, MIBs RSPAN Radius Users, TACACS | Designed for AV installers AV-related controls Audio over IP profiles AVB profile Video over IP profiles Mixed Audio and Video profiles | | | | IEEE 1588 PTPv2 1-Step End-to-End Transparent Clock (TC) AVB: 802.1AS, 802.1Qav, 802.1Qat MSRP, 802.1ak MMRP, 802.1ak MVRP | | | (LACP automatically reverts to and from Static LAG) Seven (7) L2/L3/L4 hashing algorithm | | | | |
| M4350-164C M4350-40X4C | | 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 | | | | | | | | VSM4320C XSM4344C |

* All software features are available, license-free.



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 |
| 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 | 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 | GSM4328 |
| M4350-48G4XF | 16K MAC 4K ARP/ 512 NDP | 176 Gbps Line-Rate | 130.94 Mpps | | 32Mb | <2.20µs 1G <0.70µs 10G fiber | | | | | | | GSM4352 |
| 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 | | | | | | | MSM4352 |
| 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 | | | | | | | 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 | | | | | | | 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 | | | | | | | 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 | 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 | 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 | 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 | XSM4340FV | | | | | | |
| M4350-16V4C | 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 | 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 | XSM4344C | | | | | | |

Ordering Information

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|---|-------------------------------|
| 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) |
| 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) |
| 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

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| 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) |
| 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) |
| 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) |
| 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) |
| 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 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) |



XSM4340CV



XSM4340V



XSM4340FV



VSM4320C



XSM4344C

M4350-24G4XF (GSM4328)
 M4350-48G4XF (GSM4352)
 M4350-44M4X4V (MSM4352)
 M4350-24X4V (XSM4328CV)
 M4350-24F4V (XSM4328FV)

Ordering Information

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