M4350
IT and AV
Managed Switches

Designed for the most demanding AV over IP installations of up to thousands of endpoints. 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.
AV Target Application

Core

At the core, two powerful M4350 models can be stacked*. For maximum performance, and best reliability, two switches should be the limit

- Management unit hitless failover and nonstop forwarding ensure no single point of failure
- The interconnect should provide headroom: for instance, all the multicast present in the network will be replicated between the two core switches

Building 1 to 5

- Each M4350 model connects to the core using distributed link aggregation (LACP, fully automatic with Auto-LAG and Auto-Trunk)
- In case of one core switch failure, there is no service interruption

Centrally managed by the NETGEAR Engage™ Controller

- Simplify your AV multicast deployments with NETGEAR IGMP Plus™ which prevents any multicast flooding for your Professional AV, Medical AV, Residential AV, Broadcast AV, Lighting installations, and more.
- Centrally available in Engage, the revolutionary NETGEAR AV user interface contains pre-configured profiles for all major audio, video, and lighting protocols including: AVB, Dante, Q-SYS, AES67, NVX, AMX, Q-SYS, NDI 4, NDI 5, ZeeVee, Aurora Multimedia, Kramer, Atlona, LibAV, Visionary, SDVoE and others. SMPTE ST 2110 is supported on select models

* Stacking, AVB, and PTP TC are mutually exclusive features. A stack cannot run AVB, nor PTP TC (or BC/GM).
IT Target Application

**Core**

At the core, two powerful M4350 models can be stacked. For maximum performance, and best reliability, two switches should be the limit

- Management unit hitless failover and nonstop forwarding ensure no single point of failure
- The interconnect should provide headroom: for instance, all the multicast in the present network will be replicated between the two core switches

**Building 1**

- For midsize server installations, two half-width M4350 10GbE models can be paired in a single rack space for redundant top-of-rack
- Management unit hitless failover and nonstop forwarding ensure no single point of failure for servers and storage

**Building 2**

- Common for intermediate distribution frames (IDF) in K-12 and other large campuses, stacking topologies greatly simplify deployments at the edge
- While reducing the number of logical units to manage, stacking also brings network resiliency with distributed uplinks in aggregation to the core

**Building 3**

- For typical collapsed core installations, with a variety of 1G, 2.5G, 10G, and 25G access ports in branch offices, server rooms or campus high performance labs
- Double star architectures deliver highest performance with every leaf switch connecting to every spine switch
M4350 Series Features

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 24-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
M4350 Series Features

- 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
- 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
- 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

<table>
<thead>
<tr>
<th>Model Name</th>
<th>Form Factor</th>
<th>Switching Fabric</th>
<th>Front</th>
<th>Rear</th>
<th>Management</th>
</tr>
</thead>
<tbody>
<tr>
<td>M4350-24G4XF</td>
<td>Full width</td>
<td>128 Gbps</td>
<td>24 ports PoE+ 10M; 100M; 1G 64W (base) up to 720W</td>
<td>-</td>
<td>4 ports 1G; 10G</td>
</tr>
<tr>
<td>M4350-48G4XF</td>
<td>Full width</td>
<td>176 Gbps</td>
<td>48 ports PoE+ 10M; 100M; 1G 236W (base) up to 1,440W</td>
<td>-</td>
<td>4 ports 1G; 10G</td>
</tr>
<tr>
<td>M4350-44M4X4V</td>
<td>Full width</td>
<td>500 Gbps</td>
<td>44 ports PoE+*** 100M; 1G; 2.5G (base) up to 3,314W</td>
<td>4 ports PoE+*** 100M; 1G; 2.5G; 5G; 10G</td>
<td>-</td>
</tr>
<tr>
<td>M4350-8X8F</td>
<td>Half-width</td>
<td>320 Gbps</td>
<td>8 ports 100M; 1G; 2.5G; 5G; 10G</td>
<td>8 ports 1G; 10G</td>
<td>-</td>
</tr>
<tr>
<td>M4350-12X12F</td>
<td>Half-width</td>
<td>480 Gbps</td>
<td>12 ports 100M; 1G; 2.5G; 5G; 10G</td>
<td>12 ports 1G; 10G</td>
<td>-</td>
</tr>
<tr>
<td>M4350-24X4V</td>
<td>Full width</td>
<td>680 Gbps</td>
<td>24 ports PoE+ 100M; 1G; 2.5G; 5G; 10G 576W (base) up to 720W</td>
<td>-</td>
<td>4 ports 1G; 10G, 25G (Ethernet Mode*) (Stacking: 25G**)</td>
</tr>
<tr>
<td>M4350-24F4V</td>
<td>Full width</td>
<td>680 Gbps</td>
<td>24 ports 1G; 10G</td>
<td>4 ports 1G; 10G, 25G (Ethernet Mode*) (Stacking: 25G**)</td>
<td>-</td>
</tr>
</tbody>
</table>

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* 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 802.3at PoE (15.4W), 802.3at PoE+ (30W) and 802.3bt (60W, 75W and 90W).
## Hardware-at-a-Glance

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Model Name</th>
<th>Form-Factor</th>
<th>Switching Fabric</th>
<th>1000BASE-T RJ45 ports</th>
<th>2.5GBASE-T RJ45 ports</th>
<th>10GBASE-T RJ45 ports</th>
<th>10GBASE-X SFP ports</th>
<th>25GBASE-X SFP28 ports</th>
<th>100GBASE-X QSFP28 ports</th>
<th>Internal PSU</th>
<th>Modular PSU Bays</th>
<th>Fans</th>
<th>Out-of-band Console</th>
<th>Management</th>
</tr>
</thead>
<tbody>
<tr>
<td>XSM4344CV</td>
<td>M4350-36X4V</td>
<td>Full width</td>
<td>1U rack mount</td>
<td>440x43.2x400mm</td>
<td>920 Gbps</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>Ethernet: Out-of-band Console: USB-C (Front)</td>
<td>Model Number</td>
</tr>
<tr>
<td>XSM4340V</td>
<td>M4350-24X8F8V</td>
<td>Full width</td>
<td>1U rack mount</td>
<td>440x43.2x400mm</td>
<td>1.04 Tbps</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>Fixed Front-to-back</td>
<td>USB-C</td>
</tr>
<tr>
<td>XSM4340FV</td>
<td>M4350-32F8V</td>
<td>Full width</td>
<td>1U rack mount</td>
<td>440x43.2x400mm</td>
<td>1.04 Tbps</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>Console: USB-C (Front)</td>
<td>1 slot</td>
</tr>
<tr>
<td>VSM4320C</td>
<td>M4350-16V4C</td>
<td>Full width</td>
<td>1U rack mount</td>
<td>440x43.2x400mm</td>
<td>1.6 Tbps</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>Storage: 2 x USB-A (Back)</td>
<td>XSM4344C</td>
</tr>
<tr>
<td>XSM4344C</td>
<td>M4350-40X4C</td>
<td>Full width</td>
<td>1U rack mount</td>
<td>440x43.2x400mm</td>
<td>1.6 Tbps</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>1 x Fixed 750W (C14) On/Off switch</td>
<td>1 slot</td>
</tr>
</tbody>
</table>

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*** 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

<table>
<thead>
<tr>
<th>Model Name</th>
<th>Internal PSU</th>
<th>PSU Slot 1</th>
<th>PSU Slot 2</th>
<th>Switch Operational Without PoE?</th>
<th>Available PoE Budget</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>M4350-24G4XF</em></td>
<td>880W - Connected</td>
<td>APS350W</td>
<td>-</td>
<td>Yes</td>
<td>576W</td>
</tr>
<tr>
<td></td>
<td>550W - Connected</td>
<td>APS350W</td>
<td>-</td>
<td>Yes</td>
<td>394W</td>
</tr>
<tr>
<td></td>
<td>550W - Connected</td>
<td>APS600W</td>
<td>-</td>
<td>Yes</td>
<td>394W</td>
</tr>
<tr>
<td></td>
<td>550W - Connected</td>
<td>APS920W</td>
<td>-</td>
<td>Yes</td>
<td>1,440W</td>
</tr>
<tr>
<td></td>
<td>880W - Connected</td>
<td>APS2000W</td>
<td>-</td>
<td>Yes</td>
<td>1,714W</td>
</tr>
<tr>
<td><em>M4350-48G4XF</em></td>
<td>880W - Connected</td>
<td>APS350W</td>
<td>-</td>
<td>Yes</td>
<td>576W</td>
</tr>
<tr>
<td></td>
<td>550W - Connected</td>
<td>APS350W</td>
<td>-</td>
<td>Yes</td>
<td>394W</td>
</tr>
<tr>
<td></td>
<td>550W - Connected</td>
<td>APS600W</td>
<td>-</td>
<td>Yes</td>
<td>394W</td>
</tr>
<tr>
<td></td>
<td>550W - Connected</td>
<td>APS920W</td>
<td>-</td>
<td>Yes</td>
<td>1,440W</td>
</tr>
<tr>
<td></td>
<td>880W - Connected</td>
<td>APS2000W</td>
<td>-</td>
<td>Yes</td>
<td>1,714W</td>
</tr>
<tr>
<td><em>M4350-44M4X4V</em></td>
<td>550W - Connected</td>
<td>Disconnected</td>
<td>Disconnected</td>
<td>Yes</td>
<td>194W</td>
</tr>
<tr>
<td></td>
<td>550W - Connected</td>
<td>APS350W</td>
<td>APS350W</td>
<td>Yes</td>
<td>716W</td>
</tr>
<tr>
<td></td>
<td>550W - Connected</td>
<td>APS600W</td>
<td>APS600W</td>
<td>Yes</td>
<td>1,116W</td>
</tr>
<tr>
<td></td>
<td>550W - Connected</td>
<td>APS920W</td>
<td>APS920W</td>
<td>Yes</td>
<td>1,440W</td>
</tr>
<tr>
<td></td>
<td>880W - Connected</td>
<td>APS2000W</td>
<td>APS2000W</td>
<td>Yes</td>
<td>1,714W</td>
</tr>
<tr>
<td><em>M4350-24X4V</em></td>
<td>880W - Connected</td>
<td>APS350W</td>
<td>-</td>
<td>Yes</td>
<td>576W</td>
</tr>
<tr>
<td></td>
<td>880W - Connected</td>
<td>APS600W</td>
<td>-</td>
<td>Yes</td>
<td>394W</td>
</tr>
<tr>
<td></td>
<td>880W - Connected</td>
<td>APS920W</td>
<td>-</td>
<td>Yes</td>
<td>1,440W</td>
</tr>
<tr>
<td></td>
<td>550W - Connected</td>
<td>APS2000W</td>
<td>APS2000W</td>
<td>Yes</td>
<td>1,714W</td>
</tr>
</tbody>
</table>

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*Note: PoE Budget values are approximate and may vary depending on specific usage and configuration.*
## RPS+EPS Wattages* - at-a-Glance

<table>
<thead>
<tr>
<th>Model Name</th>
<th>Internal PSU</th>
<th>PSU Slot 1</th>
<th>PSU Slot 2</th>
<th>Switch Operational Without PoE?</th>
<th>Available PoE Budget</th>
</tr>
</thead>
<tbody>
<tr>
<td>M4350-24F4V</td>
<td>240W - Connected</td>
<td>Disconnected</td>
<td>-</td>
<td>Yes</td>
<td>-</td>
</tr>
<tr>
<td>M4350-24F4V</td>
<td>240W - Connected</td>
<td>APS350W</td>
<td>-</td>
<td>Yes</td>
<td>-</td>
</tr>
<tr>
<td>M4350-24F4V</td>
<td>240W - Connected</td>
<td>APS600Wv2</td>
<td>-</td>
<td>Yes</td>
<td>-</td>
</tr>
<tr>
<td>M4350-24F4V</td>
<td>240W - Connected</td>
<td>APS920W</td>
<td>-</td>
<td>Yes</td>
<td>-</td>
</tr>
<tr>
<td>M4350-24F4V</td>
<td>240W - Connected</td>
<td>APS2000Wv110VAC</td>
<td>-</td>
<td>Yes</td>
<td>-</td>
</tr>
<tr>
<td>M4350-24X8F8V</td>
<td>750W - Connected</td>
<td>Disconnected</td>
<td>-</td>
<td>Yes</td>
<td>290W</td>
</tr>
<tr>
<td>M4350-24X8F8V</td>
<td>750W - Connected</td>
<td>APS600Wv3</td>
<td>-</td>
<td>Yes</td>
<td>650W</td>
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<tr>
<td>M4350-24X8F8V</td>
<td>750W - Connected</td>
<td>APS1200Wv110VAC</td>
<td>-</td>
<td>Yes</td>
<td>970W</td>
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<tr>
<td>M4350-24X8F8V</td>
<td>750W - Connected</td>
<td>APS1200Wv220VAC</td>
<td>-</td>
<td>Yes</td>
<td>1,130W</td>
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<tr>
<td>M4350-24X8F8V</td>
<td>750W - Connected</td>
<td>APS1200Wv220VAC</td>
<td>-</td>
<td>Yes</td>
<td>890W</td>
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<tr>
<td>M4350-16V4C</td>
<td>420W - Connected</td>
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<td>-</td>
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<td>-</td>
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<tr>
<td>M4350-16V4C</td>
<td>420W - Connected</td>
<td>APS600Wv3</td>
<td>-</td>
<td>Yes</td>
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<tr>
<td>M4350-16V4C</td>
<td>420W - Connected</td>
<td>APS1200Wv110VAC</td>
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<td>Yes</td>
<td>-</td>
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<tr>
<td>M4350-16V4C</td>
<td>420W - Connected</td>
<td>APS1200Wv220VAC</td>
<td>-</td>
<td>Yes</td>
<td>-</td>
</tr>
</tbody>
</table>

* 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

<table>
<thead>
<tr>
<th>Model Name</th>
<th>PoE Power Load</th>
<th>Fan Duty</th>
<th>Ambient</th>
<th>Case Temp (Top)</th>
<th>Acoustic</th>
<th>Fan Duty</th>
<th>Case Temp (Top)</th>
<th>Acoustic</th>
<th>Model Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>M4350-24G4XF</td>
<td>720W</td>
<td>28</td>
<td>25°C</td>
<td>33.1°C</td>
<td>33dBA</td>
<td>60</td>
<td>31.9°C</td>
<td>52dBA</td>
<td>GSM4328</td>
</tr>
<tr>
<td></td>
<td>720W</td>
<td>60</td>
<td>45°C</td>
<td>48.2°C</td>
<td>52dBA</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>M4350-48G4XF</td>
<td>1,440W</td>
<td>28</td>
<td>25°C</td>
<td>33.4°C</td>
<td>33dBA</td>
<td>60</td>
<td>31.3°C</td>
<td>52dBA</td>
<td>GSM4352</td>
</tr>
<tr>
<td></td>
<td>1,440W</td>
<td>60</td>
<td>45°C</td>
<td>48.5°C</td>
<td>52dBA</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>M4350-44M4X4V</td>
<td>3,314W</td>
<td>28</td>
<td>25°C</td>
<td>43.3°C</td>
<td>34dBA</td>
<td>60</td>
<td>38.3°C</td>
<td>52dBA</td>
<td>MSM4352</td>
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<tr>
<td></td>
<td>3,314W</td>
<td>60</td>
<td>45°C</td>
<td>50.1°C</td>
<td>52dBA</td>
<td></td>
<td></td>
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<tr>
<td>M4350-8XBF</td>
<td>N/A</td>
<td>27</td>
<td>25°C</td>
<td>34.4°C</td>
<td>34.4dBA</td>
<td>70</td>
<td>30.3°C</td>
<td>56.3dBA</td>
<td>XSM4316</td>
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<tr>
<td></td>
<td>N/A</td>
<td>70</td>
<td>50°C</td>
<td>51.7°C</td>
<td>56.3dBA</td>
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<td></td>
</tr>
<tr>
<td>M4350-12X12F</td>
<td>N/A</td>
<td>27</td>
<td>25°C</td>
<td>31.9°C</td>
<td>34.3dBA</td>
<td>100</td>
<td>29.5°C</td>
<td>64dBA</td>
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<tr>
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<td>64dBA</td>
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<tr>
<td>M4350-24X4V</td>
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<td>32.3°C</td>
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<td>29.6°C</td>
<td>57.2dBA</td>
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<td>720W</td>
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<td>25°C</td>
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<td>30.3°C</td>
<td>61.8dBA</td>
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<td>50°C</td>
<td>52.4°C</td>
<td>61.8dBA</td>
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<tr>
<td>M4350-36X4V</td>
<td>1760W</td>
<td>25</td>
<td>25°C</td>
<td>39°C</td>
<td>32.1dBA</td>
<td>60</td>
<td>30.4°C</td>
<td>54dBA</td>
<td>XSM4340CV</td>
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<td>1760W</td>
<td>60</td>
<td>45°C</td>
<td>49.2°C</td>
<td>54dBA</td>
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<td>XSM4340V</td>
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<td>M4350-24X8F8V</td>
<td>1770W</td>
<td>25</td>
<td>25°C</td>
<td>39.9°C</td>
<td>32.6dBA</td>
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<td>31°C</td>
<td>53.3dBA</td>
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<td>53.3dBA</td>
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<td>25°C</td>
<td>35°C</td>
<td>32.7dBA</td>
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<td>28.9°C</td>
<td>63dBA</td>
<td>XSM4340FV</td>
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<tr>
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<td>N/A</td>
<td>80</td>
<td>50°C</td>
<td>52.1°C</td>
<td>63dBA</td>
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<td>M4350-16V4C</td>
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<td>28</td>
<td>25°C</td>
<td>38.2°C</td>
<td>36.4dBA</td>
<td>60</td>
<td>30.8°C</td>
<td>55dBA</td>
<td>VSM4320C</td>
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<td>N/A</td>
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<td>50°C</td>
<td>56°C</td>
<td>55dBA</td>
<td></td>
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<td>M4350-40X4C</td>
<td>1676W</td>
<td>25</td>
<td>25°C</td>
<td>39.9°C</td>
<td>34.1dBA</td>
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<td>33.9°C</td>
<td>54.3dBA</td>
<td>XSM4344C</td>
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<td>1676W</td>
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<td>45°C</td>
<td>49.6°C</td>
<td>54.3dBA</td>
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</tr>
</tbody>
</table>

* 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*

<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td>M4350 series</td>
<td>Out-of-band IT Web GUI (main) HTTPs CLI; Telnet; SSH Stacking** NSF with Hitless Failover SNMP, MIBs RSPAN Radius Users, TACACS</td>
<td>AV Web-based GUI Designed for AV installers AV-related controls Audio over IP profiles AVB profile Video over IP profiles Mixed Audio and Video profiles</td>
<td>Ingress/egress 1 Kbps shaping Time-based Single Rate Policing</td>
<td>Select models only</td>
<td>Auto-VoIP Policy-based routing (FRR) LLDP-MED IGMPv3, MLDv2 Snooping, Proxy ASM &amp; SSM IGMPv1,v2 Querier (compatible v3) Control Packet Flooding</td>
<td>NETGEAR IGMP™ Plus for automated IGMP between switches STP, MTP, RSTP PV(R)STP BPDU/STRG Root Guard EEE 802.3az (IEEE is disabled by default) Auto Trunk and Auto-LAG, between M4250, M4300, and M4350 Switches Static LAG, or Dynamic LACP (LACP automatically reverts to and from Static LAG) Seven (7) L2/L3/L4 hashing algorithms</td>
<td>Static, Dynamic, Voice, MAC GVRP/GMRP Double VLAN mode Private VLANs</td>
<td>Successive Tierning (DOT1K, MAB; Captive Portal) DHCPv4 Relay DHCPv6 Server DHCP Relay Stateful DHCPv6 Server</td>
<td>All models</td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

* 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>
<thead>
<tr>
<th>Model Name</th>
<th>MAC ARP/NDP</th>
<th>Routing / Switching Capacity</th>
<th>Throughput 64-byte</th>
<th>Application Route Scaling</th>
<th>Packet Buffer</th>
<th>Latency 64-byte</th>
<th>CPU</th>
<th>IP Multicast Routing Entries</th>
<th>Jumbo Frames</th>
<th>Multicast IGMP Group Membership</th>
<th>VLANs</th>
<th>DHCP Server</th>
<th>Model Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>M4350-24G4XF</td>
<td>16K MAC, 4K ARP/ 512 NDP</td>
<td>128 Gbps Line-Rate</td>
<td>95.23 Mpps</td>
<td>16Mb</td>
<td>&lt;2.42µs 1G</td>
<td>Gigabit Ethernet</td>
<td>Quad-Core Cortex A57</td>
<td>ARMv8</td>
<td>1.8Ghz</td>
<td>64-bit</td>
<td>2GB RAM DDR4</td>
<td>512 IPv4</td>
<td>256 IPv6</td>
</tr>
<tr>
<td>M4350-48G4XF</td>
<td>16K MAC, 4K ARP/ 512 NDP</td>
<td>176 Gbps Line-Rate</td>
<td>130.94 Mpps</td>
<td>32Mb</td>
<td>&lt;2.20µs 1G</td>
<td>Gigabit Ethernet</td>
<td>Quad-Core Cortex A57</td>
<td>ARMv8</td>
<td>1.8Ghz</td>
<td>64-bit</td>
<td>2GB RAM DDR4</td>
<td>512 IPv4</td>
<td>256 IPv6</td>
</tr>
<tr>
<td>M4350-44M4X4V</td>
<td>16K MAC, 4K ARP/ 512 NDP</td>
<td>500 Gbps Line-Rate</td>
<td>372 Mpps</td>
<td>32Mb</td>
<td>&lt;5.61µs 2.5G</td>
<td>Gigabit Ethernet</td>
<td>Quad-Core Cortex A57</td>
<td>ARMv8</td>
<td>1.8Ghz</td>
<td>64-bit</td>
<td>2GB RAM DDR4</td>
<td>512 IPv4</td>
<td>256 IPv6</td>
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<tr>
<td>M4350-8X8F</td>
<td>16K MAC, 4K ARP/ 512 NDP</td>
<td>320 Gbps Line-Rate</td>
<td>238.08 Mpps</td>
<td>32Mb</td>
<td>&lt;2.28µs 1G</td>
<td>Gigabit Ethernet</td>
<td>Quad-Core Cortex A57</td>
<td>ARMv8</td>
<td>1.8Ghz</td>
<td>64-bit</td>
<td>2GB RAM DDR4</td>
<td>512 IPv4</td>
<td>256 IPv6</td>
</tr>
<tr>
<td>M4350-12X12F</td>
<td>16K MAC, 4K ARP/ 512 NDP</td>
<td>480 Gbps Line-Rate</td>
<td>357.12 Mpps</td>
<td>32Mb</td>
<td>&lt;2.14µs 2G</td>
<td>Gigabit Ethernet</td>
<td>Quad-Core Cortex A57</td>
<td>ARMv8</td>
<td>1.8Ghz</td>
<td>64-bit</td>
<td>2GB RAM DDR4</td>
<td>512 IPv4</td>
<td>256 IPv6</td>
</tr>
<tr>
<td>M4350-24X4V</td>
<td>16K MAC, 4K ARP/ 512 NDP</td>
<td>680 Gbps Line-Rate</td>
<td>505.92 Mpps</td>
<td>32Mb</td>
<td>&lt;2.43µs 1G</td>
<td>Gigabit Ethernet</td>
<td>Quad-Core Cortex A57</td>
<td>ARMv8</td>
<td>1.8Ghz</td>
<td>64-bit</td>
<td>2GB RAM DDR4</td>
<td>512 IPv4</td>
<td>256 IPv6</td>
</tr>
<tr>
<td>M4350-24F4V</td>
<td>16K MAC, 4K ARP/ 512 NDP</td>
<td>680 Gbps Line-Rate</td>
<td>505.92 Mpps</td>
<td>32Mb</td>
<td>&lt;1.06µs 1G</td>
<td>Gigabit Ethernet</td>
<td>Quad-Core Cortex A57</td>
<td>ARMv8</td>
<td>1.8Ghz</td>
<td>64-bit</td>
<td>2GB RAM DDR4</td>
<td>512 IPv4</td>
<td>256 IPv6</td>
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<tr>
<td>M4350-36X4V</td>
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<td>920 Gbps Line-Rate</td>
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<td>64Mb</td>
<td>&lt;2.54µs 1G</td>
<td>Gigabit Ethernet</td>
<td>Quad-Core Cortex A57</td>
<td>ARMv8</td>
<td>1.8Ghz</td>
<td>64-bit</td>
<td>2GB RAM DDR4</td>
<td>512 IPv4</td>
<td>256 IPv6</td>
</tr>
<tr>
<td>M4350-24X8F8V</td>
<td>16K MAC, 4K ARP/ 512 NDP</td>
<td>1.04 Tbps Line-Rate</td>
<td>773.76 Mpps</td>
<td>64Mb</td>
<td>&lt;2.7µs 1G</td>
<td>Gigabit Ethernet</td>
<td>Quad-Core Cortex A57</td>
<td>ARMv8</td>
<td>1.8Ghz</td>
<td>64-bit</td>
<td>4GB RAM DDR4</td>
<td>512 IPv4</td>
<td>256 IPv6</td>
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<tr>
<td>M4350-32F8V</td>
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<td>1.04 Tbps Line-Rate</td>
<td>773.76 Mpps</td>
<td>64Mb</td>
<td>&lt;2.7µs 1G</td>
<td>Gigabit Ethernet</td>
<td>Quad-Core Cortex A57</td>
<td>ARMv8</td>
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<td>4GB RAM DDR4</td>
<td>512 IPv4</td>
<td>256 IPv6</td>
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<tr>
<td>M4350-16V4C</td>
<td>16K MAC, 4K ARP/ 512 NDP</td>
<td>1.6 Tbps Line-Rate</td>
<td>1190.4 Mpps</td>
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<td>256 IPv6</td>
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<td>M4350-40X4C</td>
<td>16K MAC, 4K ARP/ 512 NDP</td>
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<td>1190.4 Mpps</td>
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<td>&lt;2.71µs 1G</td>
<td>Gigabit Ethernet</td>
<td>Quad-Core Cortex A57</td>
<td>ARMv8</td>
<td>1.8Ghz</td>
<td>64-bit</td>
<td>4GB RAM DDR4</td>
<td>512 IPv4</td>
<td>256 IPv6</td>
</tr>
</tbody>
</table>
Components

M4350-24G4XF
Fully Managed Switch

Ordering information
• Americas, Europe: GSM4328-100NES (NA, UK, EU)
• Asia Pacific: GSM4328-100AJS (JP, AU)
• China: GSM4328-100PRS
• Warranty: Lifetime ProSAFE Hardware Warranty

- 880W internal power supply providing 648W of PoE budget.
- 1 slot for modular power supply (1+1 redundancy and/or EPS share).
- Any APS350W, APS600Wv2, APS920W, or APS2000W can be used.
- The PoE budget can reach 720W, when the redundant PoE budget remains 648W.
- Virtual Chassis stacking provides non-stop forwarding (NSF) and hitless failover.
- Layer 3 feature set includes static, policy-based, and dynamic routing.
- NETGEAR IGMP Plus™, AV User Interface, and Engage Controller speed up AV installations.
- NETGEAR ProSAFE® Limited Lifetime Hardware Warranty.
- Lifetime Next Business Day Hardware Replacement.
- Dimensions: 440*400*43.2 mm
- Weight: 6.41Kg (14.13 lb)
M4350-48G4XF
Fully Managed Switch

Ordering information
• Americas, Europe: GSM4352-100NES (NA, UK, EU)
• Asia Pacific: GSM4352-100AJS (JP, AU)
• China: GSM4352-100PRS
• Warranty: Lifetime ProSAFE Hardware Warranty

Components

- 550W internal power supply providing 236W of PoE budget.
- 2 slots for modular power supplies (1+1 redundancy and/or EPS share).
- Any APS350W, APS600Wv2, APS920W, or APS2000W can be used.
- The PoE budget can reach 1,440W, the redundant PoE budget can also reach 1,440W.
- Virtual Chassis stacking provides non-stop forwarding (NSF) and hitless failover.
- Layer 3 feature set includes static, policy-based, and dynamic routing.
- NETGEAR IGMP Plus™, AV User Interface, and Engage Controller speed up AV installations.
- NETGEAR ProSAFE® Limited Lifetime Hardware Warranty.
- Lifetime Next Business Day Hardware Replacement.
- Dimensions: 440x400x43.2 mm
- Weight: 7.19Kg (15.85 lb)
Components

M4350-44M4X4V
Fully Managed Switch

Ordering information
• Americas, Europe: MSM4352-100NES (NA, UK, EU)
• Asia Pacific: MSM4352-100AJS (JP, AU)
• China: MSM4352-100PRS
• Warranty: Lifetime ProSAFE Hardware Warranty

• 44 2.5G and 4 10G/Multi-gig PoE++ ports with 4 25GBASE-X SFP28 uplinks.
• 550W internal power supply providing 194W of PoE budget.
• 2 slots for modular power supplies (1+1 redundancy and/or EPS share).
• Any APS350W, APS600Wv2, APS920W, or APS2000W can be used.
• The PoE budget can reach 3,314W, the redundant PoE budget can reach 1,794W.
• Virtual Chassis stacking provides non-stop forwarding (NSF) and hitless failover.
• Layer 3 feature set includes static, policy-based, and dynamic routing.
• NETGEAR IGMP Plus™, AV User Interface, and Engage Controller speed up AV installations.
• NETGEAR ProSAFE® Limited Lifetime Hardware Warranty.
• Lifetime Next Business Day Hardware Replacement.
• Dimensions: 440x400x43.2 mm
• Weight: 7.34Kg (16.18 lb)
Components

M4350-8X8F
Fully Managed Switch

Ordering information
• Americas, Europe: XSM4316-100NES (NA, UK, EU)
• Asia Pacific: XSM4316-100AJS (JP, AU)
• China: XSM4316-100PRS
• Warranty: Lifetime ProSAFE Hardware Warranty

- 8 10G/Multi-Gig ports, and 8 10GBASE-X SFP+ ports.
- 240W internal power supply.
- Half-width form factor enables one or two switches in a single rack space for redundant top-of-rack.
- Virtual Chassis stacking provides non-stop forwarding (NSF) and hitless failover.
- Layer 3 feature set includes static, policy-based, and dynamic routing.
- NETGEAR IGMP Plus™, AV User Interface, and Engage Controller speed up AV installations.
- NETGEAR ProSAFE® Limited Lifetime Hardware Warranty.
- Lifetime Next Business Day Hardware Replacement.
- Dimensions: 220x400x43.2 mm
- Weight: 4.05Kg (8.93 lb)
## Components

**M4350-12X12F**  
Fully Managed Switch

### Ordering information
- Americas, Europe: XSM4324-100NES (NA, UK, EU)
- Asia Pacific: XSM4324-100AJS (JP, AU)
- China: XSM4324-100PRS
- Warranty: Lifetime ProSAFE Hardware Warranty

### Features
- 12 10G/Multi-Gig ports, and 12 10GBASE-X SFP+ ports.
- 240W internal power supply.
- Half-width form factor enables one or two switches in a single rack space for redundant top-of-rack.
- Virtual Chassis stacking provides non-stop forwarding (NSF) and hitless failover.
- Layer 3 feature set includes static, policy-based, and dynamic routing.
- NETGEAR IGMP Plus™, AV User Interface, and Engage Controller speed up AV installations.
- NETGEAR ProSAFE® Limited Lifetime Hardware Warranty.
- Lifetime Next Business Day Hardware Replacement.
- Dimensions: 220x400x43.2 mm
- Weight: 4.3Kg (9.48 lb)
Components

M4350-24X4V
Fully Managed Switch

Ordering information
- Americas, Europe: XSM4328CV-100NES (NA, UK, EU)
- Asia Pacific: XSM4328CV-100AJS (JP, AU)
- China: XSM4328CV-100PRS
- Warranty: Lifetime ProSAFE Hardware Warranty

- 24 10G/Multi-Gig PoE+ ports with 4 25GBASE-X SFP28 uplinks.
- 880W internal power supply providing 576W of PoE budget.
- 1 slot for modular power supply (1+1 redundancy and/or EPS share).
- Any APS350W, APS600Wv2, APS920W, or APS2000W can be used.
- The PoE budget can reach 720W, when the redundant PoE budget remains 576W.
- Virtual Chassis stacking provides non-stop forwarding (NSF) and hitless failover.
- Layer 3 feature set includes static, policy-based, and dynamic routing.
- NETGEAR IGMP Plus™, AV User Interface, and Engage Controller speed up AV installations.
- NETGEAR ProSAFE® Limited Lifetime Hardware Warranty.
- Lifetime Next Business Day Hardware Replacement.
- Dimensions: 440x400x43.2 mm
- Weight: 6.58Kg (14.51 lb)
Components

**M4350-24F4V**  
Fully Managed Switch

**Ordering information**
- Americas, Europe: XSM4328FV-100NES (NA, UK, EU)
- Asia Pacific: XSM4328FV-100AJS (JP, AU)
- China: XSM4328FV-100PRS
- Warranty: Lifetime ProSAFE Hardware Warranty

- 240W internal power supply
- 1 slot for modular power supply (1+1 redundancy).
- Any APS350W, APS600Wv2, APS920W, or APS2000W can be used.
- Virtual Chassis stacking provides non-stop forwarding (NSF) and hitless failover.
- Layer 3 feature set includes static, policy-based, and dynamic routing.
- NETGEAR IGMP Plus™, AV User Interface, and Engage Controller speed up AV installations.
- NETGEAR ProSAFE® Limited Lifetime Hardware Warranty.
- Lifetime Next Business Day Hardware Replacement.
- Dimensions: 440x400x43.2 mm
- Weight: 6.25Kg (13.78 lb)
Components

M4350-36X4V
Fully Managed Switch

Ordering information
- Americas, Europe: XSM4340CV-100NES (NA, UK, EU)
- Asia Pacific: XSM4340CV-100AJS (JP, AU)
- China: XSM4340CV-100PRS
- Warranty: Lifetime ProSAFE Hardware Warranty

- 36 10G/Multi-Gig PoE++ ports with 4 25GBASE-X SFP28 uplinks.
- 750W internal power supply providing 280W of PoE budget.
- 1 slot for modular power supply (1+1 redundancy and/or EPS share).
- Any APS600Wv3, APS1200Wv2, or APS2000Wv2 can be used.
- The PoE budget can reach 1,760W, when the redundant PoE budget remains 280W.
- Virtual Chassis stacking provides non-stop forwarding (NSF) and hitless failover.
- Layer 3 feature set includes static, policy-based, and dynamic routing.
- NETGEAR IGMP Plus™, AV User Interface, and Engage Controller speed up AV installations.
- NETGEAR ProSAFE® Limited Lifetime Hardware Warranty.
- Lifetime Next Business Day Hardware Replacement.
- Dimensions: 440x400x43.2 mm
- Weight: 7.33Kg (16.16 lb)
**Components**

**M4350-24X8F8V**  
Fully Managed Switch

**Ordering information**
- Americas, Europe: XSM4340V-100NES (NA, UK, EU)
- Asia Pacific: XSM4340V-100AJS (JP, AU)
- China: XSM4340V-100PRS
- Warranty: Lifetime ProSAFE Hardware Warranty

- 24 10G/Multi-Gig PoE++ ports, 8 10GBASE-X SFP+ and 8 25GBASE-X SFP28 ports.
- 750W internal power supply providing 290W of PoE budget.
- 1 slot for modular power supply (1+1 redundancy and/or EPS share).
- Any APS600Wv3, APS1200Wv2, or APS2000Wv2 can be used.
- The PoE budget can reach 1,770W, when the redundant PoE budget remains 290W.
- Virtual Chassis stacking provides non-stop forwarding (NSF) and hitless failover.
- Layer 3 feature set includes static, policy-based, and dynamic routing.
- NETGEAR IGMP Plus™, AV User Interface, and Engage Controller speed up AV installations.
- NETGEAR ProSAFE® Limited Lifetime Hardware Warranty.
- Lifetime Next Business Day Hardware Replacement.
- Dimensions: 440x400x43.2 mm
- Weight: 7.24Kg (15.96 lb)
### Components

**M4350-32F8V**
Fully Managed Switch

**Ordering information**
- Americas, Europe: XSM4340FV-100NES (NA, UK, EU)
- Asia Pacific: XSM4340FV-100AJS (JP, AU)
- China: XSM4340FV-100PRS
- Warranty: Lifetime ProSAFE Hardware Warranty

- 32 10GBASE-X SFP+ ports with 8 25GBASE-X SFP28 uplinks.
- 420W internal power supply
- 1 slot for modular power supply (1+1 redundancy).
- Any APS600Wv3, APS1200Wv2, or APS2000Wv2 can be used.
- Virtual Chassis stacking provides non-stop forwarding (NSF) and hitless failover.
- Layer 3 feature set includes static, policy-based, and dynamic routing.
- NETGEAR IGMP Plus™, AV User Interface, and Engage Controller speed up AV installations.
- NETGEAR ProSAFE® Limited Lifetime Hardware Warranty.
- Lifetime Next Business Day Hardware Replacement.
- Dimensions: 440x400x43.2 mm
- Weight: 6.95Kg (15.32 lb)
Components

M4350-16V4C
Fully Managed Switch

Ordering information
• Americas, Europe: VSM4320C-100NES (NA, UK, EU)
• Asia Pacific: VSM4320C-100AJS (JP, AU)
• China: VSM4320C-100PRS
• Warranty: Lifetime ProSAFE Hardware Warranty

• 16 25GBASE-X SFP28 ports with 4 100GBASE-X QSFP28 uplinks.
• 420W internal power supply
• 1 slot for modular power supply (1+1 redundancy).
• Any APS600Wv3, APS1200Wv2, or APS2000Wv2 can be used.
• Virtual Chassis stacking provides non-stop forwarding (NSF) and hitless failover.
• Layer 3 feature set includes static, policy-based, and dynamic routing.
• NETGEAR IGMP Plus™, AV User Interface, and Engage Controller speed up AV installations.
• NETGEAR ProSAFE® Limited Lifetime Hardware Warranty.
• Lifetime Next Business Day Hardware Replacement.
• Dimensions: 440x400x43.2 mm
• Weight: 7.15Kg (15.77 lb)
Components

M4350-40X4C
Fully Managed Switch

Ordering information
• Americas, Europe: XSM4344C-100NES (NA, UK, EU)
• Asia Pacific: XSM4344C-100AJS (JP, AU)
• China: XSM4344C-100PRS
• Warranty: Lifetime ProSAFE Hardware Warranty

• 40 10G/Multi-Gig PoE++ ports with 4 100GBASE-X QSFP28 uplinks.
• 750W internal power supply providing 196W of PoE budget.
• 1 slot for modular power supply (1+1 redundancy and/or EPS share).
• Any APS600Wv3, APS1200Wv2, or APS2000Wv2 can be used.
• The PoE budget can reach 1,676W, when the redundant PoE budget remains 196W.
• Virtual Chassis stacking provides non-stop forwarding (NSF) and hitless failover.
• Layer 3 feature set includes static, policy-based, and dynamic routing.
• NETGEAR IGMP Plus™, AV User Interface, and Engage Controller speed up AV installations.
• NETGEAR ProSAFE® Limited Lifetime Hardware Warranty.
• Lifetime Next Business Day Hardware Replacement.
• Dimensions: 440x400x43.2 mm
• Weight: 7.76Kg (17.11 lb)
Components

### APS350W
Power Supply Unit

Ordering information
- Americas, Europe: APS350W-100NES (NA, UK, EU)
- Asia Pacific: APS350W-100AJS (JP, AU)
- Asia Pacific: APS350W-10000S (no power cord)
- Warranty: 5 years

- PSU for M4350-24G4XF (GSM4328), M4350-48G4XF (GSM4352), M4350-44M4X4V (MSM4352), M4350-24X4V (XSM4328CV), and M4350-24F4V (XSM4328FV).
- C14 connector.
- 110V-240V AC power input.
- Up to 350W output power at 110/220V AC.
- 5-Year Warranty

### APS600Wv2
Power Supply Unit

Ordering information
- Americas, Europe: APS600W-200NES (NA, UK, EU)
- Asia Pacific: APS600W-200AJS (JP, AU)
- Asia Pacific: APS600W-20000S (no power cord)
- Warranty: 5 years

- PSU for M4350-24G4XF (GSM4328), M4350-48G4XF (GSM4352), M4350-44M4X4V (MSM4352), M4350-24X4V (XSM4328CV), and M4350-24F4V (XSM4328FV).
- C14 connector.
- 110V-240V AC power input.
- Up to 600W output power at 110/220V AC.
- 5-Year Warranty
Components

**APS600Wv3**  
Power Supply Unit

Ordering information
- Americas, Europe: APS600W-300NES (NA, UK, EU)
- Asia Pacific: APS600W-300AJS (JP, AU)
- Asia Pacific: APS600W-30000S (no power cord)
- Warranty: 5 years

- PSU for M4350-36X4V (XSM4340CV), M4350-24X8F8V (XSM4340V), M4350-32F8V (XSM4340FV), M4350-16V4C (VSM4320C), and M4350-40X4C (XSM4344C).
- C14 connector.
- 110V-240V AC power input.
- Up to 600W output power at 110/220V AC.
- 5-Year Warranty

**APS920W**  
Power Supply Unit

Ordering information
- Americas, Europe: APS920W-100NES (NA, UK, EU)
- Asia Pacific: APS920W-100AJS (JP, AU)
- Asia Pacific: APS920W-10000S (no power cord)
- Warranty: 5 years

- PSU for M4350-24G4XF (GSM4328), M4350-48G4XF (GSM4352), M4350-44M4X4V (MSM4352), M4350-24X4V (XSM4328CV), and M4350-24F4V (XSM4328FV).
- C14 connector.
- 110V-240V AC power input.
- Up to 920W output power at 110/220V AC.
- 5-Year Warranty
### Components

#### APS1200Wv2
Power Supply Unit

Ordering information
- Americas, Europe: APS1200W-200NES (NA, UK, EU)
- Asia Pacific: APS1200W-200AJS (JP, AU)
- Asia Pacific: APS1200W-20000S (no power cord)
- Warranty: 5 years

- PSU for M4350-36X4V (XSM4340CV), M4350-24XBF8V (XSM4340V), M4350-32F8V (XSM4340FV), M4350-16V4C (VSM4320C), and M4350-40X4C (XSM4344C).
- C14 connector.
- 110-240V AC power input.
- Up to 1,200W output power at 110/220V AC.
- 5-Year Warranty

#### APS2000W
Power Supply Unit

Ordering information
- Americas, Europe: APS2000W-100NES (NA, UK, EU)
- Asia Pacific: APS2000W-100AJS (JP, AU)
- Asia Pacific: APS2000W-10000S (no power cord)
- Warranty: 5 years

- PSU for M4350-24G4XF (GSM4328), M4350-48G4XF (GSM4352), M4350-44M4X4V (MSM4352), M4350-24X4V (XSM4328CV), and M4350-24F4V (XSM4328FV).
- C14 connector.
- 110-240V AC power input.
- Up to 1,000W output power at 110V AC.
- Up to 2,000W output power at 220V AC.
- 5-Year Warranty
Components

**APS2000Wv2**
Power Supply Unit

Ordering information
- Americas, Europe: APS2000W-200NES (NA, UK, EU)
- Asia Pacific: APS2000W-200AJS (JP, AU)
- Asia Pacific: APS2000W-20000S (no power cord)
- Warranty: 5 years

- PSU for M4350-36X4V (XSM4340CV), M4350-24X8F8V (XSM4340V), M4350-32F8V (XSM4340FV), M4350-16V4C (VSM4320C), and M4350-40X4C (XSM4344C).
- C14 connector.
- 110V-240V AC power input.
- Up to 1,000W output power at 110V AC.
- Up to 2,000W output power at 220V AC.
- 5-Year Warranty
## Ordering information

- **Worldwide**: see table below
- **Warranty**: 5 years

### Multimode Fiber (MMF)

<table>
<thead>
<tr>
<th>Fiber Type</th>
<th>Speed</th>
<th>Connector</th>
<th>Distance</th>
<th>Part Number(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>OM1 or OM2</td>
<td>62.5/125µm</td>
<td>AXM763</td>
<td>10GBase-LRM long reach multimode</td>
<td>AXM763-10000S (1 unit)</td>
</tr>
<tr>
<td>OM3 or OM4</td>
<td>50/125µm</td>
<td>AXM763</td>
<td>10GBase-LRM long reach multimode</td>
<td>AXM763-10000S (1 unit)</td>
</tr>
<tr>
<td>OM3 or OM4</td>
<td>9/125µm</td>
<td>AXM764</td>
<td>10GBase-LR long reach single mode</td>
<td>AXM764-10000S (1 unit)</td>
</tr>
<tr>
<td>OM3: up to 550m (1,804 ft)</td>
<td>OM4: up to 1,000m (3,280 ft)</td>
<td></td>
<td></td>
<td></td>
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</table>

### Single mode Fiber (SMF)

<table>
<thead>
<tr>
<th>Fiber Type</th>
<th>Speed</th>
<th>Connector</th>
<th>Distance</th>
<th>Part Number(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>9/125µm</td>
<td>AXM764</td>
<td>10GBase-LR long reach single mode</td>
<td>AXM764-10000S (1 unit)</td>
<td></td>
</tr>
<tr>
<td>AXM764P10-10000S (pack of 10 units)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>up to 2km (1.2 mile)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Accessories

- **Fits into M4350 SFP+ and SFP28* interfaces**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Part Number(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>AGM731F</td>
<td>1000Base-SX short range multimode LC duplex connector</td>
<td>AGM731F (1 unit)</td>
</tr>
<tr>
<td>AXM761</td>
<td>10GBase-SR short reach multimode LC duplex connector</td>
<td>AXM761-10000S (1 unit)</td>
</tr>
<tr>
<td>AXM761P10-10000S (pack of 10 units)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>up to 300m (984 ft)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### GBIC SFP and SFP+ Optics for M4350 series

- **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, 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.

---

## GBIC SFP and SFP+ Optics for M4350 series

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Part Number(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>AGM734</td>
<td>1000BASE-T RJ45 SFP (Gigabit)</td>
<td>AGM734-10000S</td>
</tr>
<tr>
<td>AXM765</td>
<td>10GBASE-T RJ45 SFP+ (10 Gigabit)</td>
<td>AXM765-20000S</td>
</tr>
</tbody>
</table>

**Ordering information**

- **Worldwide**: AMG734-10000S
- **Warranty**: 5 years

**Ordering information**

- **Worldwide**: AXM765-20000S
- **Warranty**: 5 years

**Ordering information**

- **Worldwide**: AXM761-10000S
- **Warranty**: 5 years

**Ordering information**

- **Worldwide**: AXM761P10-10000S
- **Warranty**: 5 years

**Ordering information**

- **Worldwide**: AXM763-10000S
- **Warranty**: 5 years

**Ordering information**

- **Worldwide**: AXM763-10000S (1 unit)
- **Warranty**: 5 years

**Ordering information**

- **Worldwide**: AXM764-10000S (1 unit)
- **Warranty**: 5 years

**Ordering information**

- **Worldwide**: AXM764P10-10000S (pack of 10 units)
- **Warranty**: 5 years

**Ordering information**

- **Worldwide**: AXM764-10000S (1 unit)
- **Warranty**: 5 years

**Ordering information**

- **Worldwide**: AXM764P10-10000S (pack of 10 units)
- **Warranty**: 5 years

**Ordering information**

- **Worldwide**: AXM765-20000S
- **Warranty**: 5 years

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**NETGEAR AV**
## Accessories

Direct Attach Cables for M4350 series

<table>
<thead>
<tr>
<th>ORDERING INFORMATION</th>
<th>SFP+ to SFP+</th>
</tr>
</thead>
<tbody>
<tr>
<td>WORLDWIDE: SEE TABLE BELOW</td>
<td>1 meter (3.3 ft)</td>
</tr>
<tr>
<td>WARRANTY: 5 YEARS</td>
<td>AXC761 10GSFP+ Cu (passive) SFP+ connectors</td>
</tr>
<tr>
<td></td>
<td>AXC761-10000S (1 unit)</td>
</tr>
<tr>
<td></td>
<td>7 meters (23.0 ft)</td>
</tr>
<tr>
<td></td>
<td>AXC767 10GSFP+ Cu (active) SFP+ connectors</td>
</tr>
<tr>
<td></td>
<td>AXC767-10000S (1 unit)</td>
</tr>
<tr>
<td></td>
<td>20 meters (65.6 ft)</td>
</tr>
<tr>
<td></td>
<td>AXC7620 10GSFP+ (duplex fiber optic) SFP+ connectors</td>
</tr>
<tr>
<td></td>
<td>AXC7620-10000S (1 unit)</td>
</tr>
</tbody>
</table>

* Fits into M4350 SFP+ and SFP28* interfaces

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**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.
## Ordering Information

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Region</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>NETGEAR M4350-24G4XF</td>
<td>Fully Managed Switch (GSM4328) - 24x1G PoE+ and 4xSFP+ (648W base, up to 720W)</td>
<td>North America; Europe</td>
<td>GSM4328-100NES (NA, UK, EU)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Asia Pacific</td>
<td>GSM4328-100AJ (JP, AU)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Asia Pacific</td>
<td>GSM4328-100PRS (CCC)</td>
</tr>
<tr>
<td>NETGEAR M4350-48G4XF</td>
<td>Fully Managed Switch (GSM4352) - 48x1G PoE+ and 4xSFP+ (236W base, up to 1,440W)</td>
<td>North America; Europe</td>
<td>GSM4352-100NES (NA, UK, EU)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Asia Pacific</td>
<td>GSM4352-100AJ (JP, AU)</td>
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<td></td>
<td>Asia Pacific</td>
<td>GSM4352-100PRS (CCC)</td>
</tr>
<tr>
<td>NETGEAR M4350-44M4X4V</td>
<td>Fully Managed Switch (MSM4352) - 44x2.5G, 4x10G/Multi-Gig PoE++ and 4xSFP28 25G (194W base, up to 3,314W)</td>
<td>North America; Europe</td>
<td>MSM4352-100NES (NA, UK, EU)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Asia Pacific</td>
<td>MSM4352-100AJ (JP, AU)</td>
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<td></td>
<td>Asia Pacific</td>
<td>MSM4352-100PRS (CCC)</td>
</tr>
<tr>
<td>NETGEAR M4350-8X8F</td>
<td>Fully Managed Switch (XSM4316) - 8x10G/Multi-Gig and 8xSFP+</td>
<td>North America; Europe</td>
<td>XSM4316-100NES (NA, UK, EU)</td>
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<tr>
<td></td>
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<td>Asia Pacific</td>
<td>XSM4316-100AJ (JP, AU)</td>
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<td>Asia Pacific</td>
<td>XSM4316-100PRS (CCC)</td>
</tr>
<tr>
<td>NETGEAR M4350-12X12F</td>
<td>Fully Managed Switch (XSM4324) - 12x10G/Multi-Gig and 12xSFP+</td>
<td>North America; Europe</td>
<td>XSM4324-100NES (NA, UK, EU)</td>
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<tr>
<td></td>
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<td>Asia Pacific</td>
<td>XSM4324-100AJ (JP, AU)</td>
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<td>Asia Pacific</td>
<td>XSM4324-100PRS (CCC)</td>
</tr>
<tr>
<td>NETGEAR M4350-24X4V</td>
<td>Fully Managed Switch (XSM4328CV) - 24x10G/Multi-Gig PoE+ and 4xSFP28 25G (576W base, up to 720W)</td>
<td>North America; Europe</td>
<td>XSM4328CV-100NES (NA, UK, EU)</td>
</tr>
<tr>
<td></td>
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<td>Asia Pacific</td>
<td>XSM4328CV-100AJ (JP, AU)</td>
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<td>Asia Pacific</td>
<td>XSM4328CV-100PRS (CCC)</td>
</tr>
<tr>
<td>NETGEAR M4350-24F4V</td>
<td>Fully Managed Switch (XSM4328FV) - 24xSFP+ and 4xSFP28 25G</td>
<td>North America; Europe</td>
<td>XSM4328FV-100NES (NA, UK, EU)</td>
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<td>Asia Pacific</td>
<td>XSM4328FV-100AJ (JP, AU)</td>
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<td>Asia Pacific</td>
<td>XSM4328FV-100PRS (CCC)</td>
</tr>
</tbody>
</table>
### Ordering Information

<table>
<thead>
<tr>
<th>Model</th>
<th>Specifications</th>
<th>Region</th>
<th>Part Numbers</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>NETGEAR M4350-36X4V Fully Managed Switch (XSM4340CV)</strong> - 36x10G/Multi-Gig PoE++ and 4xSFP28 25G (280W base, up to 1,760W)</td>
<td></td>
<td>North America; Europe</td>
<td>XSM4340CV-100NES (NA, UK, EU)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Asia Pacific</td>
<td>XSM4340CV-100AJS (JP, AU)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Asia Pacific</td>
<td>XSM4340CV-100PRS (CCC)</td>
</tr>
<tr>
<td><strong>NETGEAR M4350-24X8F8V Fully Managed Switch (XSM4340V)</strong> - 24x10G/Multi-Gig PoE++, 8xSFP+ and 8xSFP28 25G (290W base, up to 1,770W)</td>
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<td>North America; Europe</td>
<td>XSM4340V-100NES (NA, UK, EU)</td>
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<tr>
<td></td>
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<td>Asia Pacific</td>
<td>XSM4340V-100AJS (JP, AU)</td>
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<tr>
<td></td>
<td></td>
<td>Asia Pacific</td>
<td>XSM4340V-100PRS (CCC)</td>
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<tr>
<td><strong>NETGEAR M4350-32F8V Fully Managed Switch (XSM4340FV)</strong> - 32xSFP+ and 8xSFP28 25G</td>
<td></td>
<td>North America; Europe</td>
<td>XSM4340FV-100NES (NA, UK, EU)</td>
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<td>Asia Pacific</td>
<td>XSM4340FV-100AJS (JP, AU)</td>
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<td>XSM4340FV-100PRS (CCC)</td>
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<tr>
<td><strong>NETGEAR M4350-16V4C Fully Managed Switch (VSM4320C)</strong> - 16xSFP28 25G and 4xQSFP28 100G</td>
<td></td>
<td>North America; Europe</td>
<td>VSM4320C-100NES (NA, UK, EU)</td>
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<tr>
<td><strong>NETGEAR M4350-40X4C Fully Managed Switch (XSM4344C)</strong> - 40x10G/Multi-Gig PoE++ and 4xQSFP28 100G (196W base, up to 1,671W)</td>
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<td>XSM4344C-100NES (NA, UK, EU)</td>
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<td>XSM4344C-100PRS (CCC)</td>
</tr>
<tr>
<td><strong>NETGEAR APS350W</strong> - 350W Power Supply Unit for M4350-24G4XF (GSM4328); M4350-48G4XF (GSM4352); M4350-44M4X4V (MSM4352); M4350-24X4V (XSM4328CV); M4350-24F4V (XSM4328FV)</td>
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<td>APS350W-100NES (NA, UK, EU)</td>
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<td>APS350W-100AJS (JP, AU)</td>
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<tr>
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<td></td>
<td>Asia Pacific</td>
<td>APS350W-10000S (no power cords)</td>
</tr>
<tr>
<td><strong>NETGEAR APS600Wv2</strong> - 600W Power Supply Unit for M4350-24G4XF (GSM4328); M4350-48G4XF (GSM4352); M4350-44M4X4V (MSM4352); M4350-24X4V (XSM4328CV); M4350-24F4V (XSM4328FV)</td>
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<td>APS600W-200AJS (JP, AU)</td>
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<td>Asia Pacific</td>
<td>APS600W-20000S (no power cords)</td>
</tr>
</tbody>
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### Ordering Information

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<thead>
<tr>
<th>NETGEAR APS920W</th>
<th>920W Power Supply Unit for M4350-24G4XF (GSM4328); M4350-48G4XF (GSM4352); M4350-44M4X4V (MSM4352); M4350-24X4V (XSM4328CV); M4350-24F4V (XSM4328FV)</th>
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<td>North America; Europe</td>
<td>APS920W-100NES (NA, UK, EU)</td>
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<td>APS920W-100AJS (JP, AU)</td>
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<td>APS920W-10000S (no power cords)</td>
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<th>NETGEAR APS2000W</th>
<th>2000W Power Supply Unit for M4350-24G4XF (GSM4328), M4350-48G4XF (GSM4352), M4350-44M4X4V (MSM4352), M4350-24X4V (XSM4328CV), M4350-24F4V (XSM4328FV)</th>
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<th>NETGEAR APS600Wv3</th>
<th>600W Power Supply Unit for M4350-36X4V (XSM4340CV), M4350-24X8F8V (XSM4340V); M4350-32F8V (XSM4340FV); M4350-16V4C (VSM4320C); M4350-40X4C (XSM4344C)</th>
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<th>NETGEAR APS1200Wv2</th>
<th>1200W Power Supply Unit for M4350-36X4V (XSM4340CV); M4350-24X8F8V (XSM4340V); M4350-32F8V (XSM4340FV); M4350-16V4C (VSM4320C); M4350-40X4C (XSM4344C)</th>
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<td>APS1200W-20000S (no power cords)</td>
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**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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