

Installation Guide

NETGEAR Power Supply Unit for Managed Switches

APS150W, APS250W, APS299W, APS550W, APS600W, APS750W, APS1000W, and APS1200W



Package contents

- Power supply unit
- Power cord (varies by region)
- Installation guide

Overview

The following table provides an overview of the power supply units (PSUs) for managed switches and the models in which they are supported.

| PSU Model | Used in Switch Model |
|-----------|---|
| APS150W | M4300-28G M4300-52G |
| APS250W | M4300-8X8F M4300-12X12F M4300-24X24F |
| APS299W | M4300-16X |
| APS550W | M4300-28G-POE+ M4300-52G-POE+ |
| APS600W | M4300-96X M4300-16X |
| APS750W | M4500-32C M4500-48XF8C |
| APS1000W | M4300-28G-POE+ M4300-52G-POE+ M6100-3S RPS4000v2 |
| APS1200W | M4300-96X |

AC OK LED. All PSUs provide one AC OK LED. During normal operation, this LED lights green to indicate that the PSU is receiving power.

DC OK LED. Model APS150W also provides one DC OK LED. During normal operation, this LED lights green to indicate that the DC outputs are within regulation limits.

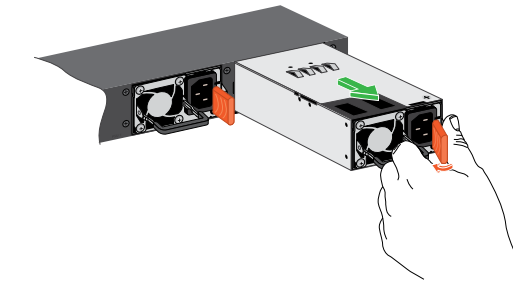
2. Insert the additional PSU into the power module bay, and gently push the PSU into the bay.
CAUTION: When inserting the PSU, do not use unnecessary force. Doing so can damage the connectors on the back of the PSU and on the midplane.
3. Connect the end of the power cord to the power receptacle on the PSU.
4. Plug the AC power cord into a power source such as a wall socket or power strip.

When you apply power, the AC OK LED on the PSU lights. The LED on the switch for the power supply bay also lights. If these LEDs do not light, make sure that the power cord is plugged in and that the power source is good.

Replace a power supply unit

In models with more than one PSU, the PSUs are hot-pluggable.

1. If your switch functions with a single PSU only, disconnect the power cord from the PSU and let the switch power down.
If your switch functions with more than one PSU, you do not need to power down the switch and you can perform a hot swap.
2. Remove the PSU from the power module bay by moving the orange release latch to the left and pulling the extraction handle.
3. Insert the replacement PSU into the power module bay, and gently push the PSU into the bay until the latch locks.



CAUTION: When inserting the PSU, do not use unnecessary force. Doing so can damage the connectors on the back of the PSU and on the midplane.

4. Connect the end of the power cord to the power receptacle on the PSU.

Install an additional power supply unit

In models with more than one power supply bay, you can install an additional PSU.

1. Pull out the cover plate from the power module bay in which you want to insert the additional PSU.

- Plug the AC power cord into a power source such as a wall socket or power strip.

When you apply power, the AC OK LED on the PSU lights. The LED on the switch for the power supply bay also lights. If these LEDs do not light, make sure that the power cord is plugged in correctly and that the power source is good.

Technical specifications

| Specifications | PSU |
|----------------|---|
| AC input | <ul style="list-style-type: none"> APS150W. 100–127VAC, 3A, 50–60 Hz or 200–240VAC, 1.5A, 50–60 Hz APS250W. 100–240VAC, 3.5–2A, 50–60 Hz APS299W. 100–240VAC, 5–2.5A, 50–60 Hz APS550W. 100–240VAC, 9–4A, 50–60 Hz APS600W. 90–132VAC, 8A, 47–63 Hz or 180–264VAC, 4A, 47–63 Hz APS750W. 100–240VAC, 10/5.36A max, 50–60 Hz APS1000W. 100–127VAC, 9.9A, 50–60 Hz or 200–240VAC, 7.8A, 50–60 Hz APS1200W. 90–132VAC, 15A, 43–67 Hz or 180–264VAC, 8A, 43–67 Hz |
| DC output | <ul style="list-style-type: none"> APS150W. +12V, 12.5A APS250W. +12V, 20A or +12 VSB 1A APS299W. +54.5V, 5.51A APS550W. +54V, 10.95A or +12 VSB 2.08A APS600W. +54.5 VDC, 11A APS750W. +12V, 61.5A or +12VSB 3A APS1000W. 56V, 12.12A or +12 VSB 1.8A (@ 100–127VAC) 56V, 17.35A or +12 VSB 2.4A (@ 200–240VAC) APS1200W. +54.5 VDC, 22A @ 230 VAC, or 18.35A @ 115 VAC |



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| Specifications | PSU |
|-----------------------------|---|
| Dimensions (H x W x D) | <ul style="list-style-type: none"> APS150W. 1.5 x 2.0 x 7.3 in. (39 x 50.5 x 185 mm) APS250W. 1.5 x 2.9 x 7.3 in. (39 x 74 x 185 mm) APS299W. 1.5 x 2.9 x 7.6 in. (39 x 74 x 194 mm) APS550W, APS1000W. 1.6 x 3.6 x 8.7 in. (40 x 87 x 208 mm) APS600W, APS1200W. 1.6 x 2.9 x 7.3 in. (40 x 73 x 185 mm) APS750W. 1.6 x 7.5 x 8.1 in. (40 x 192 x 206 mm) |
| Operating temperature | <ul style="list-style-type: none"> APS250W. 32 to 122°F (0 to 50°C) APS150W, APS299W, APS550W, APS600W, APS1000W, APS1200W. 23 to 122°F (-5 to 50°C) APS750W. 32 to 131°F (0 to 55°C) |
| Operating relative humidity | <ul style="list-style-type: none"> APS150W. Up to 95% noncondensing APS250W, APS299W, APS550W, APS600W, APS1000W, APS1200W. 5% to 95% noncondensing APS750W. 10 to 90% noncondensing |
| Operating altitude level | <ul style="list-style-type: none"> APS250W, APS550W, APS1000W. Up to 9,800 feet (3,000 m) above sea level APS150W, APS299W, APS600W, APS750W, APS1200W. Up to 16,000 feet (5,000 m) above sea level |
| Storage temperature | <ul style="list-style-type: none"> APS150W, APS250W, APS299W. -40 to 158°F (-40 to 70°C) APS550W, APS600W, APS1000, APS1200W. -40 to 185°F (-40 to 85°C) |
| Storage altitude level | Below 49,000 feet (15,000 m) above sea level |
| MTBF | All models except APS750W. 4,534,733 hrs (~517 years) @ 77°F (25°C) APS750W only. 200,000 hrs (~23 years) @ 122°F (50°C) |

Support

Thank you for purchasing this NETGEAR product. You can visit <https://www.netgear.com/support/> to register your product, get help, access the latest downloads and user manuals, and join our community. We recommend that you use only official NETGEAR support resources.

Si ce produit est vendu au Canada, vous pouvez accéder à ce document en français canadien à <https://www.netgear.com/support/download/>. (If this product is sold in Canada, you can access this document in Canadian French at <https://www.netgear.com/support/download/>.)

For regulatory compliance information including the EU Declaration of Conformity, visit <https://www.netgear.com/about/regulatory/>.

See the regulatory compliance document before connecting the power supply.

Do not use this device outdoors. If you connect cables or devices that are outdoors to this device, see <https://kb.netgear.com/000057103> for safety and warranty information.

| Compliance | | |
|------------|--|--|
| Safety | IEC 60950-1, EN 60950-1, CB Certificate/Report, UL/CSA 60950-1 CE Low Voltage Directive 2006/95/EC (Europe) CCC (China) KC (Korea) | |
| EMC | CC / ICES-003 Emission (USA/Canada) CRISP 22 Emission (International) EN55022 Emission (Europe) EN55024 Immunity (Europe) EN61000-4-2 Electrostatic Discharge EN61000-4-3 Radiated RFI Immunity EN61000-4-4 Electrical Fast Transients level 4 EN61000-4-5 Electrical Surge Level | EN61000-4-6 RF Conducted EN61000-4-8 Power Frequency Magnetic Fields EN61000-4-11 Voltage Dips and Interruptions EN61000-4-8 Power Frequency Magnetic Fields EN61000-4-11 Voltage Dips and Interruptions EN61000-3-2 Harmonics (Europe) EN61000-3-3 Voltage Flicker (Europe) |

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