Installation

NETGEAR Power Supplies Units for Managed Switches

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

Package Contents

NETGEAR®

Power Supply Unit 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
APS550W	M4300-28G-POE+
	M4300-52G-POE+
APS1000W	M4300-28G-POE+
	M4300-52G-POE+
	M6100-3S
	RPS4000v2
APS600W	M4300-96X
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.

Install an Additional Power Supply Unit

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

➢ **To install an additional PSU:**

1. Pull out the cover plate from the power module bay in which you want to insert the additional PSU.
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, both the AC OK LED on the PSU and the switch's Power LED that is associated with the power supply bay light. If these LEDs do not light, make sure that the power cord is plugged in correctly and that the power source is good.

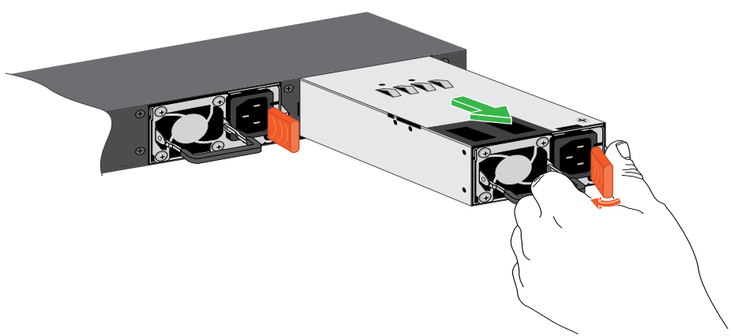
Replace a Power Supply Unit

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

➢ **To replace a PSU:**

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

   When you apply power, both the AC OK LED on the PSU and the switch's Power LED that is associated with the power supply bay light. If these LEDs do not light, make sure that the power cord is plugged in correctly and that the power source is good.

Power Supply Unit Technical Specifications

Specification	PSU
AC input	• **APS150W**. 100–127VAC, 3A, 50–60 Hz or 200–240VAC, 1.5A, 50–60 Hz • **APS250W**. 100–240VAC, 3.5–2A, 50–60 Hz • **APS550W**. 100–240VAC, 9–4A, 50–60 Hz • **APS1000W**. 100–127VAC, 9.9A, 50–60 Hz or 200–240VAC, 7.8A, 50–60 Hz • **APS600W**. 90–132VAC, 8A, 47–63 Hz or 180–264VAC, 4A, 47–63 Hz • **APS1200W**. 90–132VAC, 15A, 43–67 Hz or 180–264VAC, 8A, 43–67 Hz
DC output	• **APS150W**. +12V 12.5A • **APS250W**. +12V 20A or +12 VSB 1A • **APS550W**. +54V 10.95A or +12 VSB 2.08A • **APS1000W**. 56V 12.12A or +12 VSB 1.8A (@ 100–127VAC) 56V 17.35A or +12 VSB 2.4A (@ 200–240VAC) • **APS600W**. +54.5 VDC, 11A • **APS1200W**. +54.5 VDC, 22A @ 230 VAC, or 18.35A @ 115 VAC

Specification	PSU
Dimensions (H x W x D)	• **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) • **APS550W**. 1.64 x 3.6 x 8.65 in. (39.3 x 86.36 x 207.56 mm) • **APS1000W**. 1.64 x 3.6 x 8.65 in. (39.3 x 86.36 x 207.56 mm) • **APS600W and APS1200W** 2.87 x 7.28 x 1.57 in. (73 x 185 x 39.8 mm)
Operating temperature	• **APS150W**. 23 to 122°F (–5 to 50°C) • **APS250W**. 32 to 122°F (0 to 50°C) • **APS550W and APS1000W**. 23 to 122°F (–5 to 50°C) • **APS600W and APS1200W**. 23 to 122°F (–5 to 50°C)
Operating relative humidity	• **APS150W**. Up to 95% noncondensing • **APS250W, APS550W, and APS1000W**. 5% to 95% noncondensing • **APS600W and APS1200W**. 5% to 95% noncondensing
Operating altitude level	• **APS150W**. Below 16,000 feet (5,000 m) above sea level • **APS250W, APS550W, and APS1000W**. Below 9,800 feet (3,000 m) above sea level • **APS600W and APS1200**. Below 16,000 feet (5,000 m) above sea level
Storage temperature	• **APS150W and APS250W**. –40 to 158°F (–40 to 70°C) • **APS550W and APS1000W**. –40 to 185°F (–40 to 85°C) • **APS600W and APS1200W**. –40 to 185°F (–40 to 85°C)
Storage altitude level	Below 49,000 feet (15,000 m) above sea level
MTBF	4,534,733 hrs (~517 years) @ 77°F (25°C)

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Support

Thank you for purchasing this NETGEAR product. You can visit *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.

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For the current EU Declaration of Conformity, visit *http://support.netgear.com/app/answers/detail/a_id/11621/*.

For regulatory compliance information, visit *http://www.netgear.com/about/regulatory/*.

See the regulatory compliance document before connecting the power supply.

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	FCC / 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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