

**NETGEAR**<sup>®</sup>

Installation Guide

Connect with Innovation™

## Redundant Power System and Power Bank RPS4000

The Redundant Power System and Power Bank RPS4000 provides power system redundancy to external devices such as NETGEAR managed switches or smart switches that have an RPS capability.

Each RPS4000 has four power module slots and a maximum output of 4000W when four APS1000W power modules are installed. The RPS4000 supports switches using both old and new RPS designs. The RPS4000 acts as a redundant power system in 12 VDC power systems and acts as a power bank in PoE (56 VDC) power systems.

## Package Contents

This package includes:

- Redundant Power System and Power Bank RPS4000
- AC power cable
- RPS cable, 60 cm (23.6 in.), 16 pin
- Installation Guide (this document)

## LEDs

Power system indicators are listed in the following table:

Label	Color	Activity	Description	
PWR (Power)	Green	On	Power is being provided to the RPS4000.	
Power Module Status	Green Yellow Off	On	An APS1000W is present and working properly.	
		On	An APS1000W is present and is not working properly.	
		Off	There is no APS1000W present.	
RPS Port Status	Green	On	The device is a new RPS design and the RPS1000 is supplying power to the device.	
		Blinking	The device is a new RPS design, but the RPS 1000 is not supplying power to device.	
	Yellow	On	The device is an old RPS design, and the RPS1000 is providing power to the device.	
		Blinking	The device is an old RPS design, but the RPS1000 is not supplying power to the device.	
	Off	Off	Off	No power is being supplied to the device or the device is not recognized.

## RPS Ports

Each RPS port on the RPS4000W can provide a maximum of 1440W @ 56 VDC and 200W @ 11 VDC. Output power depends on the power modules installed and the Switch Type (Type) and Current Share (CS) switch settings.

The following switches are of the old RPS type and must use the “Old” type setting.

FSM7328S	GSM7248v2	GSM7224P	GSM7352S V2H1
FSM7352S	GSM7212P	GSM7228PS V1H1	GSM752PS V1H1
FSM7226RS	GSM7212F	GSM7328 V1H1	GSM7328FS V1H1
FSM7250RS	GSM7224R	GSM7328 V2H1	
GSM7224v2	GSM7248R	GSM7352S V1H1	

For other switches, refer to the switch hardware installation guide or the reference manual on the NETGEAR support website to determine the RPS type.

## Install the RPS4000

Install the RPS4000 in a standard 19-inch rack.

**WARNING:** DO NOT stack equipment, or place equipment in tight spaces or in drawers. Be sure that your equipment is surrounded by at least 2 inches (5 cm) of air space.

### Install the RPS4000 in a Rack

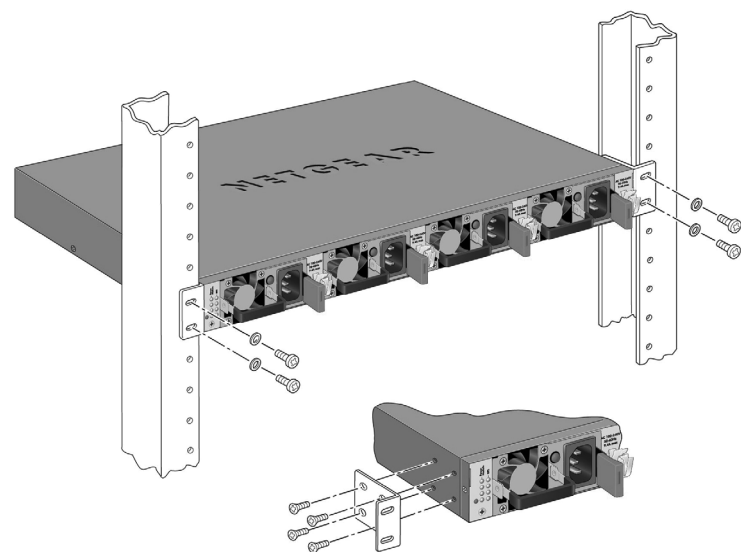
To install the RPS4000 in a rack, you need the 19-inch rack-mount kit supplied with your RPS4000.

1. Attach the supplied mounting brackets to the side of the RPS4000.
2. Use the provided Phillips head screws to fasten the brackets to the sides of the RPS4000.
3. Tighten the screws with a No. 1 Phillips screwdriver to secure each bracket.
4. Align the bracket and rack holes. Use two pan-head screws with nylon washers to fasten each bracket to the rack.
5. Tighten the screws with a No. 2 Phillips screwdriver to secure the switch in the rack.

### Check the Installation

Before you apply power, perform the following checks:

1. Inspect the equipment thoroughly.
2. Verify that all cables are installed correctly.
3. Check cable routing to ensure that cables are not damaged and do not create a safety hazard.
4. Be sure that all equipment is mounted properly and securely.



### Connect Switches to the RPS4000

**WARNING:** To prevent an electrical hazard, make sure that the RPS AC power cord is not connected to the RPS before you install an APS1000W power module or connect the RPS to a switch.

1. Make sure an APS1000W power module is plugged into the corresponding power module slot before you connect a switch to an RPS4000 RPS port.
2. Remove power to the APS1000W before connecting the switch.
3. Based on the RPS specification for the device, select the Type and CS switch settings. Refer to the *RPS4000 Hardware Installation Guide* for configuration instructions for the RPS4000.
4. Connect the device to the RPS port on the RPS4000 using a NETGEAR RPS cable (60 cm, 16 pin).
5. Restore power to the APS1000W supplying the switch.



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## Specifications

Technical Specifications	
RPS port interface	4 NTGR RPS ports, 16 pin
Power	100–240 VAC, 50–60 Hz
Dimensions	17.32 x 16.92 x 1.7 inch (440 x 430 x 43 mm)
Weight	12.8 lbs (5.8 Kg)
Operating temperature	0° to 50°C (32° to 104°F)
Operating humidity	90% maximum relative humidity, noncondensing
Safety agency approvals	UL, LVD, CB

For the complete EU Declaration of Conformity, visit [http://support.netgear.com/app/answers/detail/a\\_id/11621/](http://support.netgear.com/app/answers/detail/a_id/11621/).

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## Technical Support

After installing your device, locate the serial number on the label of your product and use it to register your product at <https://my.netgear.com>.

You must register your product before you can use NETGEAR telephone support. NETGEAR recommends registering your product through the NETGEAR web site. For product updates and web support, visit <http://support.netgear.com>.

You can get the user manual online at <http://downloadcenter.netgear.com> or through a link in the product's user interface.



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