

Redundant Power Supply System for NETGEAR® RPS Capable Switches

The Redundant Power that you can rely on

RPS Power Supply Series™ is a unique and a highly reliable power supply series. It is used as a redundant power supply for NETGEAR® RPS capable PoE, 10/100 Ethernet, and Gigabit Ethernet switches. The RPS Power Series™ is designed for Universal AC to DC power supply applications. Because of this feature these power supplies can be used anywhere in the world.

The Model RPS1204 is a HOT-SWAP 1U rack mountable RPS (Redundant power supply) system. The RPS has 4 modules each capable of supporting a NETGEAR switch. The unique HOT-SWAP capability of RPS1204 gives the end user flexibility to change the configuration in field.



Specifications

Electrical

Output Voltage	4 ports @ +12V DC, (400W in total)
Output Ripple	Typical 120mV
Output Current	Typical 9A max. per port
Output Power*	100W per port
Input Voltage	Universal 90VAC to 264VAC input
Input Frequency	47Hz to 63Hz
Input Current	5 Ampere maximum

Typical Safety Ratings of HOT-SWAP Power Bricks

Designed in full compliance with	UL60950 CSA 22.2 No. 234 EN60950
EMI	EN55022 "Class A"
EMS	EN61000-4-2, -3, -4, -5, -6, -8, -11
Harmonics	EN61000-3-2 Class D



Environmental

Overload Protection	Auto-recovery
Functional Temperature	0 to 70 °C
Storage Temperature	-20 to 85 °C
Over voltage Type	Latch off
Efficiency	80-90% Typical
RoHS	YES
Weight	7.75 lb

Compatible NETGEAR® Switch Model Number Table

NETGEAR® Switch Model	Optimal Power® RPS Models	Optimal Power® DC Cable
GSM7224-200	RPS1204	RPSC5412
GSM7248-200	RPS1204	RPSC5412
GSM7328S-200	RPS1204	RPSC5412
GSM7352S-200	RPS1204	RPSC5412
GSM7328FS	RPS1204	RPSC5412

* **NOTE** The Model RPS1204 can support up to 4 NETGEAR switches that require 12V DC as backup power.



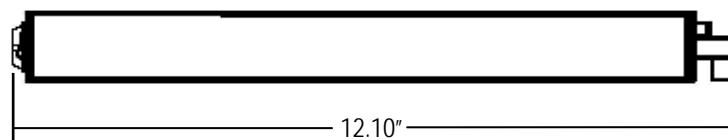
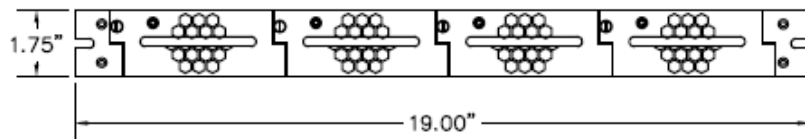
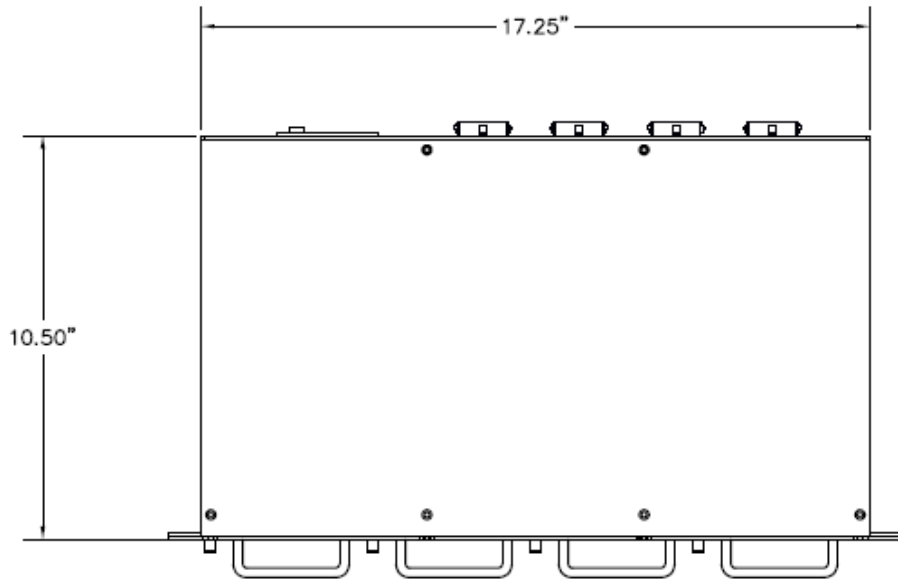
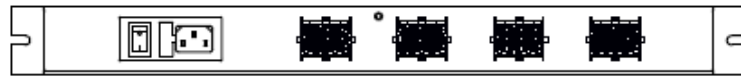
Package Content

- Redundant Power Supply Model RPS1204
- 4 DC Connection Cables Model RPSC5412
- AC Connection Cord (see ordering chart)
- Installation Manual
- Rack-mount Screws

Ordering Information Chart

RPS Model	Worldwide region
RPS1204-100NAS	Americas
RPS1204-100EUS	Europe
RPS1204-100AJS	Asia

Dimensional Drawing



LIABILITY

DO NOT OPERATE OR SERVICE THE RPS1204 MODEL WITHOUT READING THIS ENTIRE DOCUMENT FIRST

Optimal Power Supplies LLC is not responsible for any kind of damages sustained through the use of this or any other Optimal Power Supplies LLC products. It is entirely the customer's responsibility to take all the necessary precautionary measures when installing this unit.

In the interest of improving internal design, operational function, and/or reliability, Optimal Power Supplies LLC reserves the right to make changes to the products described in this document without notice.

WARRANTY

1. Optimal Power® warrants its product models RPS1204 and RPSC5412 against defects in materials and workmanship for Three (3) year from date of delivery. We will repair, or replace parts which prove to be defective during the warranty period.
2. Any defect discovered after the warranty period has expired will be deemed to be outside the coverage of the warranty, as noted below:

“THIS EXPRESS WARRANTY SUPERSEDES AND IS IN LIEU OF ALL REMEDIES AND WARRANTIES, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, AND LIABILITY FOR NEGLIGENCE. IN NO EVENT SHALL SELLER OR ITS DISTRIBUTORS BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL LOSSES, EXPENSES OR DAMAGES”.

3. Optimal Power® does not endorse any other warranty, expressed or implied, and is not liable for consequential damages. Products that are damaged, opened, or modified do not qualify for a warranty. The same procedures must be followed for repairs outside the warranty period.