



**SMCRPU14**  
4 Port Redundant Power Unit



**OVERVIEW**

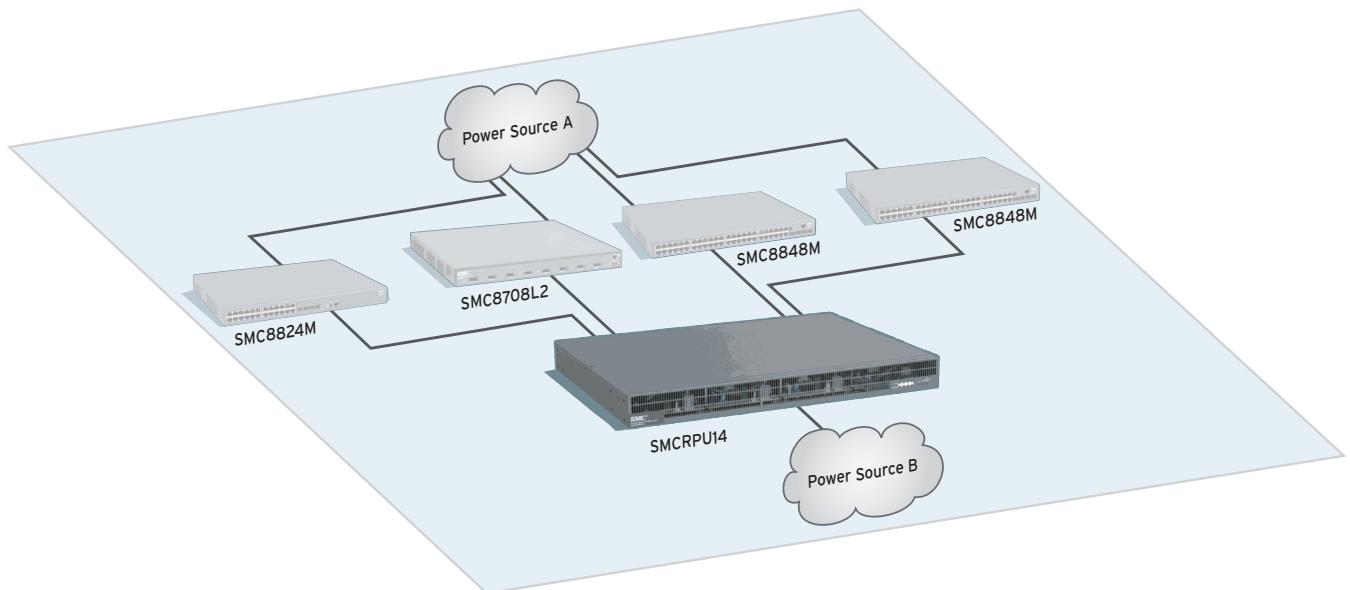
Redundant power units provide an easy to install and use method of giving you the peace of mind required when managing safety tolerant systems.

This Redundant Power Unit (SMCRPU14) can supply 600 Watts of backup power to four switches in the event of an AC loss or failure of an internal power supply. It ships with four DC Backup Power Cords included (IEC connectors). Thermal overload protection prevents the RPU from overheating if a thermal overload occurs. Over-voltage protection shuts down an output channel if the voltage exceeds a preset threshold whereas over-current protection shuts down the RPU if the output load exceeds a preset threshold. Short-circuit protection prevents the RPU from being damaged from a short circuit on any output channel. Four status indicators for Link, Activity, Fan, Thermal, and Power are located on the RPUs front panel. While the AC supply and DC backup receptacles are located on the RPUs rear panel. The SMC8824M can be mounted in a standard 19-inch equipment rack (brackets included) or on a flat surface.

**KEY FEATURES**

- Supports up to four switches with cables included
- Over-current protection
- Over-voltage protection for each output channel
- Short-circuit protection against output channels
- Thermal overload protection

**APPLICATION DIAGRAM**



## TECH SPECS - SMCRPU14

### PORTS

- 4 RPU DC power outlets (IEC socket 216C743-07)

### LEDs

- Port: Link, Activity
- System: Power, Fan, Thermal

### WEIGHT

- 5.5 kg
- 12.1 lbs

### DIMENSIONS

- 44.0 x 32.3 x 4.3 cm
- 17.34 x 12.6 x 1.69 in.

### TEMPERATURE

- Operating: 0 to 45 °C (32 to 110°F)
- Storage: -40 to 70 °C (-40 to 158 °F)

### HUMIDITY

- Operating: 20% to 90%
- AC Input
- 100 to 240 V, 50 to 60 Hz

### EIA RATINGS

- 10 A @ 125 VAC
- 10 A @ 250 VAC
- DC Power Cable Connector
- 14-pin P-Type connector

### POWER SUPPLY

- Internal, auto-ranging transformer:
- 100 to 240 VAC, 50 to 60 Hz
- Output 11.5 VDC

### POWER CONSUMPTION

- 644 W (Maximum)
- 161 W (Maximum per port)

### MAXIMUM CURRENT

- 7.8 A @ 110 VAC
- 3.5 A @ 240 VAC

### OVERLOAD PROTECTION

- Ports are shutdown when output exceeds 150 W

### POWER SUPPLY

- +12 VDC
- Initial accuracy: +/- 1%
- Current: 2 A (minimum), 10 A (maximum)
- Line regulation: +/- 1%
- Load regulation: +/- 10%
- Overshoot and undershoot: 5%

### COMPLIANCES

- CE Mark
- Emissions
- FCC Class B
- Industry Canada Class B
- CISPR Class B
- VCCI Class B
- AS/NZS 3548 (1995) Class B

### IMMUNITY

- EN 55024
- Safety
- CSA/ C US (CSA 60950-00 & UL60950)
- CB: IEC 60950
- EN 60950 (TÜV/GS)

### WARRANTY

- Please check [www.smc.com](http://www.smc.com) for the warranty terms in your country/region

## CONTACT

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Check [www.smc.com](http://www.smc.com) for your local country contact information

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