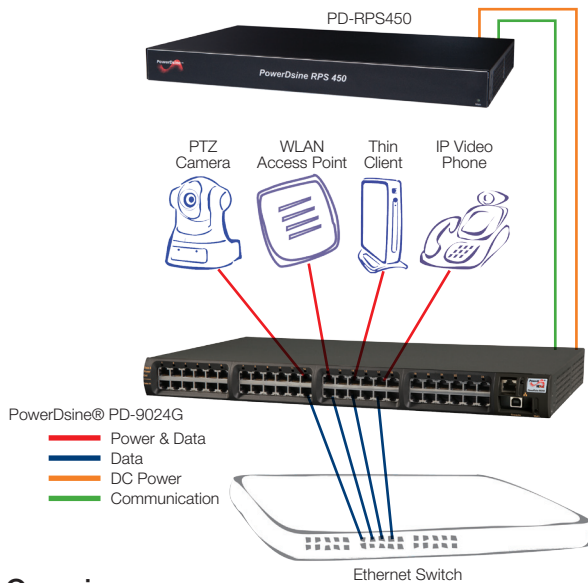


Redundant Power Supply

Offering Power Redundancy and Full Power Upgradability in One Unit



Overview

The PowerDsine(R) Redundant Power Supply (RPS) increases reliability for data, voice and video networks by ensuring reliable safe power for all PoE applications including VoIP, wireless LAN, IP security cameras, thin clients and other end terminals.

When connected to a compatible PowerDsine PoE Midspan, the RPS ensures continuous full power operation and PoE delivery to all powered devices in case the Midspan internal power supply or primary AC network fails.

The RPS architecture is based on current sharing, enabling seamless and continued operations. Additionally, the RPS offers full power upgradability by supplying the Midspan with an additional source of power, working as an additional External Power Supply (EPS) doubling the Midspan's total power supply capability.

The PowerDsine RPS family offers 1:1 backup for the 9000G and 9500G Midspan families.

The PowerDsine PD-RPS450 offers a full power upgrade to the PD9024G/ACDC/M for 900W total power capacity.

PD-RPS Features

- High availability for mission critical application
- Doubles the PD-9024G/ACDC/M internal power supply capacity to support 900W/full load
- Automatic backup
- Plug and play installation
- AC backup when two AC circuits are available

PD-RPS Specifications

Available Power	RPS 450 Unit: 450 W RPS1000 Unit: 1000 W
Nominal Output Voltage	50 - 57 V DC
Input Power Requirements	AC Input Voltage: 100 to 240 Vac AC Input Current: RPS 450 Unit: 5.5 A @ 110 Vac; 2.75 A @ 240 Vac RPS 1000 Unit: 12 A @ 110 Vac; 6 A@240 Vac AC Frequency: 50 to 60 Hz
Dimensions	438 mm x 272 mm x 44 mm 17.3 in. x 10.8 in. x 1.75 in or 1U
Weight	RPS 450: 9.5 lbs (4.4 kg) RPS 1000: 10.6 lbs (4.8 kg)
Indicators	System Indicator: Main Power (Green)
DC Connector	DC Connector: DC Block Terminal RPS Com Connector: HD-D-sub-15
Environmental Conditions	Operating Ambient Temperature: 32° to 104°F (0 to 40°C) Operating Humidity: 10% to 90%, Non-condensing Storage Temperature: -4° to 158°F (-20° to 70°C) Storage Humidity: 5% to 95%, Non-condensing Operating Altitude: -1000 to 10,000 ft. (-304.8 to 3048 m)
Warranty	Limited lifetime (see Terms and Conditions)
Remote Network Management	Via Midspan with PowerView Pro
Regulatory Compliance	RoHS Compliant, VCCI, CE, C-Tick
Electromagnetic Emission & Immunity	FCC Part 15, Class B EN 55022 Class B (Emissions) EN 55024 (Immunity), VCCI
Safety Approvals	UL/cUL Per IEC60950-1 GS Mark Per IEC60950-1
Midspan Compatibility	PD-RPS 450: PD-9006G/ACDC/M PD-9012G/ACDC/M PD-9024G/ACDC/M PD-9506G/ACDC/M PD-RPS 1000: PD-9024G/ACDC/M/F PD-9512G/ACDC/M

Ordering Information

Part Number	Name	Description
PD-RPS-450	PowerDsine PPS 450	450 W Unit
PD-RPS-1000	PowerDsine RPS 1000	1000 W Unit
PD-RPS Cables	PD-RPS Cables	Spare Cable Set

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Microsemi

Power Matters.

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