Models

HP 600 Redundant and External Power Supply J8168A

Product overview

The HP 600 Redundant and External Power Supply (RPS/EPS) has two different power supplies embedded: one for 12 V and the other one for 50 V. The 12 V power supply is called a redundant power supply (RPS) and the 50 V power supply is called the external PoE power supply (EPS). The RPS has six ports offering redundant power to any one of up to six 2600 switches. The EPS has two ports and can power up to 24 Power over Ethernet (PoE) ports with full 15.4 W PoE power, if only one of the EPS ports is used. Alternatively, it can simultaneously power up to 12 ports with full 15.4 W of PoE power on each of two switches if both EPS ports are used. The pair of EPS ports can supply up to 408 W of PoE power.

Features and benefits

Additional information

- Power distribution on an "as-needed" basis: monitors power supplies from connected switch or switches; when power from a switch fails, it provides backup power in less than 1 millisecond
- RPS device prioritization: if the internal power supply of more than one of the connected switches fails, redundant power is provided to the highest-priority switch; RPS port 1 has the highest priority, whereas port 6 has the lowest priority
- Redundant switch power (six ports): provides redundant power to any one of up to six switch products, backing up the power supply in a switch in case of loss of AC power or a fault condition
- External switch power (two ports): provides external power to up to two PoE switch devices through two EPS ports; supports up to 15.4 W per port on 48-port stackable
- Hot-plugging: supports changing the configuration of an RPS or EPS cable while the device is powered
- Supports HP chassis and stackable products: power supply units can be configured to support both chassis and stackable switches
- Cables included: includes two 2-meter EPS cables and six 1.26-meter RPS cables

HP 600 Redundant and External Power Supply (J8168A)	Ports	6 redundant power supply ports Restrictions: Each port can provide redundant +12 V power to a connected switch; only one port can provide power at a given time 2 external power supply ports Restrictions: Provides 50 VDC external PoE to up to two ProCurve switch devices; provides max. of 408 W full power to one device, and half power (204 W each) if connected to two devices	
	Physical characteristics	Dimensions	12.83(d) x 17.44(w) x 1.73(h) in. (32.59 x 44.3 x 4.39 cm) (1U height)
		Weight	11.78 lb. (5.34 kg), Fully loaded
	Mounting	1U rack-mountable and wall-mountable enclosure using standard mounting hardware	
	Environment	Operating temperature	32°F to 131°F (0°C to 55°C)
		Operating relative humidity	15% to 95% @ 104°F (40°C), noncondensing
		Nonoperating/Storage temperature	-40°F to 158°F (-40°C to 70°C)
		Nonoperating/Storage relative humidity	15% to 95% @ 149°F (65°C), noncondensing
		Altitude	up to 15,000 ft. (4.6 km)
		Acoustic	Noise emission LwA=59.2 dB at virtual workspace, according to DIN 45635 T.19
	Electrical characteristics	Description	The unit automatically adjusts to any voltage between 100-240 V and either 50 or 60 Hz
		Voltage	100-240 VAC
		Current	9/5 A
		Maximum power rating	800 W
		RPS power	180 W
		PoE power	408 W
		Frequency	50/60 Hz
		Notes	Maximum power rating and maximum heat dissipation are the worst-case theoretical maximum numbers provided for planning the infrastructure with fully loaded PoE (if equipped), 100% traffic, all ports plugged in, and all modules populated.
	Safety	CSA 22.2 No. 60950; EN 60950/IEC 60950; UL 60950	
	Emissions	FCC Class A; VCCI Class A; EN 55022/CISPR 22 Class A	
	Immunity	EN	EN 55024, CISPR 24
		ESD	IEC 61000-4-2; 4 kV CD, 8 kV AD
		Radiated	IEC 61000-4-3; 3 V/m
		EFT/Burst	IEC 61000-4-4; 1.0 kV (power line), 0.05 kV (signal line)
		Surge	IEC 61000-4-5; 1 kV/2 kV AC

	Conducted	IEC 61000-4-6; 3 V
	Power frequency magnetic field	IEC 61000-4-8; 1 A/m, 50 or 60 Hz
	Voltage dips and interruptions	IEC 61000-4-11; >95% reduction, 0.5 period; 30% reduction, 25 periods
	Harmonics	EN 61000-3-2, IEC 61000-3-2
	Flicker	EN 61000-3-3, IEC 61000-3-3
Management	Provides information via port interfaces of attached devices	
Notes	Supported devices • HP Switch 2600-PWR Series, Switch 2610 Series, Switch 2610-PWR Series, Switch 2800 Series, Switch 2810 Series, Switch 5300xl Series, Switch 3400cl Series, Switch 6400cl Series, and Secure Router 7000dl Series	
Services	3-year, 4-hour onsite, 13x5 coverage for hardware (U9270E) 3-year, 4-hour onsite, 24x7 coverage for hardware (U9271E) 1-year, post-warranty, 4-hour onsite, 13x5 coverage for hardware (HR840E) 1-year, post-warranty, 4-hour onsite, 24x7 coverage for hardware (HR841E) 4-year, 4-hour onsite, 13x5 coverage for hardware (UR854E) 4-year, 4-hour onsite, 24x7 coverage for hardware (UR855E) 5-year, 4-hour onsite, 13x5 coverage for hardware (UR857E) 5-year, 4-hour onsite, 24x7 coverage for hardware (UR858E) 3 Yr 6 hr Call-to-Repair Onsite (UW371E) 4 Yr 6 hr Call-to-Repair Onsite (UW372E) 5 Yr 6 hr Call-to-Repair Onsite (UW373E) 1-year, 6 hour Call-To-Repair Onsite for hardware (HR842E) Refer to the HP website at: www.hp.com/networking/services for details on the service-level descriptions and product numbers. For details about services and response times in your area, please contact your local HP sales office.	

To learn more, visit: www.hp.com/networking