QuickSpecs

Overview

Models

HP 620 Redundant/External Power Supply   J8696A

Product overview

The 620 Redundant/External Power Supply provides redundant system power and/or an extra 398 W of Power over Ethernet (PoE) power for each of two supported switches simultaneously. Ideally suited for Voice over IP (VoIP) environments, the 620 provides the RPS and extra PoE power needed in many other common customer environments where high power availability is desired. Switchover from a failed internal power supply to the 620 is seamless and immediate. In addition, the 620 can protect against a single power main failure by being connected to a different power main than the switch. The 620 supports the HP 3500 Series, as well as 6200 switches.

Features and benefits

Additional information

- **Independent RPS and EPS ports**: two RPS ports provide system power for up to two switches simultaneously and two EPS ports provide PoE power for up to two switches simultaneously
- **Supports a number of HP E-Series stackable switches**:
  - Redundant power supply (RPS): provides full redundant system power (RPS) support for the HP 2900 Series, 2910 Series, and 3500 yl Series, as well as 6200 yl switches
  - External power supply (EPS): provides an additional 398 W of PoE (EPS) power to the HP 3500 yl Series
- **Cables included**: includes four 2-meter RPS/EPS cables; cables can be used to carry RPS power or EPS power to the connected switch; no extra cables are needed for a complete solution

Technical Specifications

HP 620 Redundant/External Power Supply (J8696A)

Ports	2 redundant power supply ports Restrictions: 195 W available per port 2 external power supply ports Restrictions: 398 W available per port	
Physical characteristics	Dimensions	15.4(d) x 17.4(w) x 1.73(h) in. (39.12 x 44.2 x 4.39 cm) (1U height)
	Weight	15.2 lb. (6.89 kg)
Mounting	Mounts in an EIA-standard 19 in. telco rack or equipment cabinet (hardware included); horizontal surface mounting only	
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 90% @ 149°F (65°C), noncondensing
	Altitude	up to 10,000 ft. (3 km)
	Acoustic	LwA per ISO 7779: 54.2 dB
Electrical characteristics	Maximum heat dissipation	400 BTU/hr (422 kJ/hr), for the actual 620 itself. PoE-powered device heat dissipation assumed to be outside the 620.
	Voltage	100-127/200-240 VAC
	Current	16/8 A
	Maximum power rating	1440 W
	RPS power	390 W
	PoE power	796 W
	RPS	12 V
	PoE	-50 V
	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. Above figures are for maximum RPS and PoE power being supplied to two switches simultaneously. 200 - 240 V power cords shipped with the 620 have a wall plug rated as close to 13 A as specific country standards allow.
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
	Radiated	IEC 61000-4-3
	EFT/Burst	IEC 61000-4-4
	Surge	IEC 61000-4-5

Technical Specifications

Conducted	IEC 61000-4-6	
Power frequency magnetic field	IEC 61000-4-8	
Voltage dips and interruptions	IEC 61000-4-11	
Harmonics	EN 61000-3-2, IEC 61000-3-2	
Flicker	EN 61000-3-3, IEC 61000-3-3	

Management Unmanaged power supply; provides information via LEDs (LEDs repeated on front and back panel) or through port interfaces of attached devices

Notes The 620 supports the HP Switch 2900 Series (RPS) and 3500yl Series (RPS/PoE), as well as 6200yl (RPS) switches. The HP Switch 5400zl Series is not supported.
The 620 includes four 2 m RPS/EPS cables. These cables can be used to carry either RPS or PoE power to the switch being powered.

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.

Accessories

HP 620 Redundant/External Power Supply accessories	**Mounting Kit**	
	HP X410 1U Universal 4-Post Rack Mounting Kit	J9583A

Accessory Product Details

NOTE: Details are not available for all accessories. The following specifications were available at the time of publication.

HP X410 1U Universal 4-post Rack Mounting Kit (J9583A)	Notes	The rack mounting kit supports the 1U, full width switches in the following switch series and the power supply: V1810 Series, E2510 Series, E2520 Series, E2610 Series, E2810 Series, E2910 Series, E3500 Series, and the E620 Power Supply
This universal rack mounting kit is design to fit the following racks: HP 10K 10642, HP 10K 10842, Panduit CN, Panduit CS, Wrightline Vantage S2, APC Netshelter 600mm, and APC Netshelter 800mm. It may well fit many other brands and models too.
	Services	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