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Overview

The Cisco® Unified IP Phone Power Injector increases the deployment flexibility of Cisco Unified IP phones by providing an alternative powering option to local power, multiport power patch panels, and inline-power-capable switches.

Quick Specification

Figure 1 shows the appearance of Cisco Unified IP Phone Power Injector (Front, Back, and Stacked Views).

The Cisco Unified IP Phone Power Injector is a midspan power injector designed and tested for use with Cisco Unified IP phones. The Cisco Unified IP Phone Power Injector sits between a switch port and the Cisco Unified IP phone, providing inline power capability to an unpowered switch port. It supports Cisco midspan power, IEEE 802.3af modes for supplying power to the attached phone, and 10/100/1000BASE-T Ethernet connections.

Table 1 shows the Quick Specification.

General	
Device Type	PoE injector - external
Power Device	
Input Voltage Range	AC 90 - 264 V
Frequency Required	47 - 63 Hz
Output Voltage	-48 V
Power Capacity	15.5 Watt
Expansion / Connectivity	
Interfaces	2 x Gigabit LAN - RJ-45
Miscellaneous	
Compliant Standards	FCC Class B certified, VCCI Class B ITE, CISPR 22 Class B, CISPR 24, EN 60950, EN 61000-3-2, IEC 60950, EN 61000-3-3, EN55024, UL 60950, EN50082-1, CSA 22.2 No. 60950, EN55022 Class B, ICES-003 Class B, EN 61000-6-1, FCC CFR47 Part 15
Environmental Parameters	

Min Operating Temperature	32 °F
Max Operating Temperature	104 °F
Humidity Range Operating	10 - 95%
Dimensions & Weight	
Dimensions (H x W x D)	1.6 x 4.6 x 5.45 in. (4.1 x 11.8 x 13.8 cm)
Weight	10.58 oz
Compatibility Information	
Designed For	Cisco IP Phone 7902G, 7905, 7905G, 7906G, 7910, 7910+SW, 7910G, 7910G+SW, 7911G, 7914, 7920, 7935, 7940, 7940G, 7941G-GE, 7960, 7960G, 7961G, 7961G-GE, 7970G, 7971G-GE, 7985G, 7985G NTSC, 7985G PAL ¦ Cisco Unified IP Phone 7912G, 7941G

Product Details

The Cisco Unified IP Phone Power Injector offers several features, including:

• A desktop and desk-area single-port midspan injector with integrated power

• 802.3af/IEEE Power over Ethernet (PoE) support

• Gigabit Ethernet support

• Full enterprise-level compliance

• Designed and tested for use with Cisco Unified IP Phones

Temperature

Table 2 gives temperature ratings for the Cisco Unified IP Phone Power Injector.

Temperature Variable	Description
Operating temperature	32 to 104°F (0 to 40°C)
Relative humidity	10 to 95% (noncondensing)
Storage temperature	14 to 140°F (-10 to 60°C)

Certifications

Table 3 gives certifications for the Cisco Unified IP Phone Power Injector.

Certification	Description
Regulatory compliance	• CE marking

Safety	• Underwriters Laboratories (UL) 60950
	• Canadian Standards Association (CSA) C22.2 No. 60950
	• IEC 60950
	• EN 60950
	• AS/NZS 60950
Electromagnetic compatibility (EMC)	• Federal Communications Commission (FCC) Part 15 (CFR 47) Class B
	• ICES-003 Class B
	• EN55022 Class B
	• CISPR22 Class B
	• AS/NZ 3548 Class B
	• VCCI Class B
	• EN55024
	• EN 50082-1
	• EN 61000-3-2
	• EN 61000-3-3
	• CISPR24
	• EN61000-6-1

Ordering Information

Table 4 gives ordering information for the Cisco Unified IP Phone Power Injector.

Part Number	Description
CP-PWR-INJ	Cisco Unified IP Phone Power Injector
CP-PWR-INJ=	Cisco Unified IP Phone Power Injector, spare

Get More Information

Do you have any question about the CP-PWR-INJ?

Contact us now via info@hi-network.com.

Specification

CP-PWR-INJ Specification	
Dimensions (H x W x D)	1.6 x 4.6 x 5.45 in. (4.1 x 11.8 x 13.8 cm)
Weight	0.66 lb (0.30 kg)
Phone casing composition	Polycarbonate acrylonitrile butadiene styerene (ABS) plastic in textured dark gray color
Power requirements	Power is integrated (see Table 5 for country-specific power cords used for connection to AC wall outlet)

Part number	CP-PWR-INJ
LAN connection	• Maximum Ethernet cable length: 100 m from switch to device • Type: RJ-45 • Label: DATA -Network
Device connection	• Maximum Ethernet cable length: 100 m from switch to device • Type: RJ-45 • Label: DATA and PWR -PHONE
LEDs	Two-"Power" and "Status"
Stackable	Yes-Two injectors can be stacked
Wired pairs used	Injects power into two unused pairs in the Ethernet cable: 4 and 5 (negative) and 7 and 8 (positive)
Electrical	Input: • AC input voltage range: 90 to 264 VAC • AC input current: 0.5A (RMS) @ 90 VAC at maximum load • AC input frequency: 47 to 63 Hz • Maximum inrush current: 20A @ 115 VAC, 60 Hz, Cold Start, 25°C 40A @ 230 VAC, 50 Hz, Cold Start, 25°C Output: • DC output voltage: 48 VDC nominal • Maximum output power: 15.5W @ 48 VDC Performance efficiency: • 53% minimum at 30-49% of maximum load and 120 VAC, 60 Hz • 75% minimum at 50-100% of maximum load and 120 VAC, 60 Hz

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