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19.6W Single Port Power over Ethernet Midspan IEEE802.3af Compliant Power Injector





Features	
• Compliant with IEEE802.3af Standard	Limited Power Source
Non-vented Case	Gigabit Compatible
• Full Protection OVP, OCP	• 1 Year Warranty
Applications	
• IP Telephones	Security Cameras
Wireless Access Points	• IP Print Servers
• Bluetooth [®] Access Points	• WiMAX [®] Access Points
Safety Approvals	
• CE	• cUL/US
Mechanical Characteristics	
• Length: 140mm (5.51in.)	• Height: 36mm (1.42in.)
• Width: 65mm (2.55in.)	• Weight: 0.2Kg (7.58oz)

Output Specifications

Model	AC Imput	DC Output Voltage	Load		Regulation	
Model	AC Input		Min.	Max.	Line	Load
POE21U-1AF	Three Wire	56V	10mA	350mA	±5%	
POE21W-1AF	Two Wire	56V	10mA	350mA	±5%	

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POE21X-1AF Characteristics

INPUT: AC Input Voltage Rating 100 to 240VAC

AC Input Voltage Range 90 to 264VAC

AC Input Current

0.8A (RMS) maximum at 120VAC 0.55A (RMS) maximum at 240VAC

AC Input Frequency 47 to 63Hz

Leakage Current U Model – 350uA maximum W Model – 250uA maximum

Max In-rush Current

60A maximum at 240VAC and maximum load (Cold Start at ambient 25°C)

OUTPUT: Output Power 19.6W

Hold up Time 10mSec minimum at maximum load at 120VAC, 60Hz

Transient O/P Voltage Protection

60V maximum at switch on/off at any AC line phase

Efficiency

80% Typical at maximum load at 120VAC, 60Hz

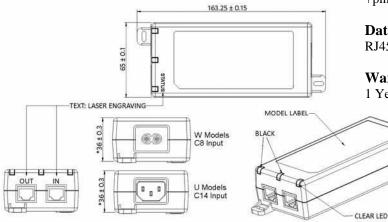
Environment

Operating Temperature	0 to +40°C
Non-operating Temperature	-20 to +65°C

Relative Humidity

5 to 90%

Dimension Diagram Unit: mm



EMI

EN55022 Class B FCC part 15 Class B

EMC

ESD:	IEC61000-4-2	Level 3
RS:	IEC61000-4-3	Level 3
EFT/Burst:	IEC61000-4-4	Level 2
Surge:	IEC61000-4-5	Level 3
CS:	IEC61000-4-6	Level3
Voltage Dips:	IEC61000-4-11	
Harmonic:	IEC61000-3-2	Class A

Isolation (HI-POT)

Primary to secondary: 1500VAC for 1 minute, 10mA

Insulation Resistance

Primary to secondary: 10M Ohm 500VDC

FEATURES:

Cisco No extern parts required for Legacy devices: VoIP Phones: 7910, 7912, 7940, 7960 Access Points: 1040, 1140, 1250, 1260, 3500

Over Voltage/Current, Short Circuit Protection

The output is equipped with short-circuit protection and overload protection as per the IEEE 802.3af specification and conforms to UL60950-2. The output can be shorted permanently without damage.

Indicator (Status)

Solid Green: Valid IEEE802.3af load detected and connected "ON" Blinking Green: Power "ON" ready for connection Blinking Red/Green: Invalid load connected Blinking Red: fault

AC Input Connector

U models - IEC320 inlet 3-pin C14 W models - IEC320 inlet 2-pin C8

Output Connection

+pins 3,6 / -pins 1,2

Data IN/POE OUT Connector RJ45

Warranty 1 Year

