



## Single Port Power over Ethernet Wall Plug Adapter 16W Power Injector with Interchangeable Clips



### Features

- Fully Compliant with IEEE802.3af
- Non-Vented Case
- Field Interchangeable AC Clips
- 1 Year Warranty
- Lowest Cost
- 10/100Mb Base-T Data rates (standard model)
- Gigabit Option (AFG Model)
- Full Protection OCP, OVP
- Diagnostic LEDs

### Applications

- IP Telephones
- Wireless Network Access Points
- Blue Tooth Access Points
- Security Cameras
- IP Print Servers

### Safety Approvals

- cUL/UL
- SAA
- CE
- C-Tick

### Mechanical Characteristics

- Length: 80mm (3.15in)
- Width: 45mm (1.77in)
- Height: 33mm (1.29in)
- Weight: 95g (3.35oz.)

### Output Specifications

Model <sup>(2)</sup>	DC Output Voltage	Load		Regulation		Output Power
		Min.	Max.	Line	Load	
POE16R-1AF	56V	0A	0.275A	±4%		15.4W
POE16R-1AFG	56V	0A	0.275A	±4%		15.4W

- (1) Interchangeable AC clips sold separately  
 (2) POE16R-1AFG model offers gigabit compatibility over standard model

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**INPUT:**

**AC Input Voltage Range**  
90 to 264VAC

**AC Input Voltage Rating**  
100 to 240VAC

**AC Input Current**  
0.8A (RMS) maximum for 90VAC  
0.5A (RMS) maximum for 240VAC

**Leakage Current**  
0.25mA maximum @ 254VAC 60Hz

**AC Input Frequency**  
47-63Hz

**AC Inrush Current**  
15A (RMS) maximum for 115VAC  
20A (RMS) maximum for 230VAC

**OUTPUT:**

**Total Output Power**  
15.4W

**Ripple and Regulation**  
150mV maximum

**Efficiency**  
75% (typical) at maximum load, and 120VAC 60Hz

**Transient O/P Voltage Protection**  
60V maximum at switch on/off at any AC line phase

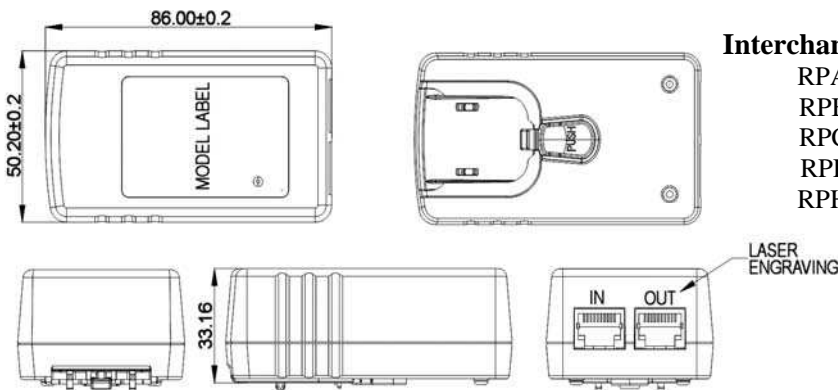
**Hold-up time:**  
16mS minimum at maximum load and 120VAC, 60Hz

**ENVIRONMENTAL:**

**Temperature**  
Operation 0 to +40°C  
Non-operation -25 to +65°C

**Humidity**  
Operation 5 to 90%

**Dimension Diagram Unit: mm (inch)**



**EMC**

FCC Part 15 Class B  
EN55022 Class B

**Immunity EN50082-1**

ESD: EN61000-4-2. Level 3  
RS: EN61000-4-3. Level 2  
EFT: EN61000-4-4. Level 2  
Surge: EN61000-4-5. Level 3  
CS: EN61000-4-6. Level 2  
Voltage Dips EN61000-4-11  
Harmonic: EN61000-3-2 Class A

**Isolation Test**

Primary to Secondary: 3000VAC for 1 second 10mA

**Insulation Resistance**

Primary to Secondary: >10M OHM 500VDC

**FEATURE:**

**Over Voltage/Current, Short Circuit Protection**

The output is equipped with short circuit protection and overload protection as per IEEE802.3af specifications and conforms to UL60950-2. The output can be shorted permanently without damage.

**Hold-up Time**

16mS min. 120VAC and maximum load

**Indicator**

Solid Green: Valid IEEE802.3af load detected and connected "ON"  
Blinking Green/Red: Invalid load connected  
Solid LED: Fault detected

**Data in/Output Connector**

RJ45

**Output Connection (Standard Model)**

+pin 4,5 / -pins 7,8

**Output Connection (Gigabit Model)**

+pin 3,6 / -pins 1,2

**Warranty**

1 Year

**Interchangeable AC Clips (Sold Separately)**

RPA: US	RPI: India
RPB: Brazil	RPK: UK
RPC: China	RPN: Argentina
RPE: Europe	RPS: Australia
RPH: Korea	RPX: C8

