



## 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

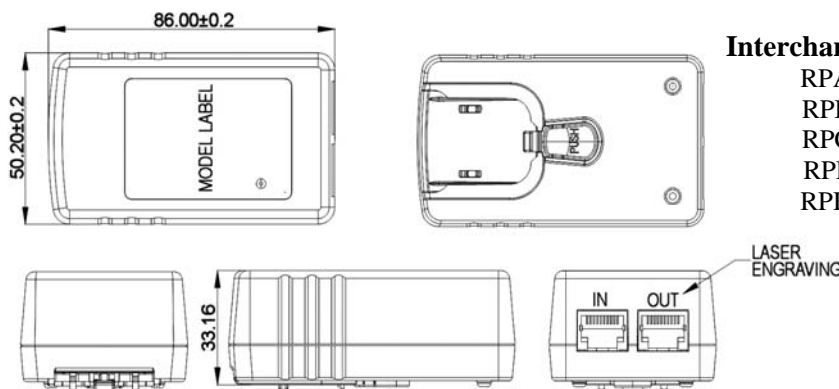
**ENVIRONMENTAL:**
**Temperature**

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