



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 ⁽²⁾	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:

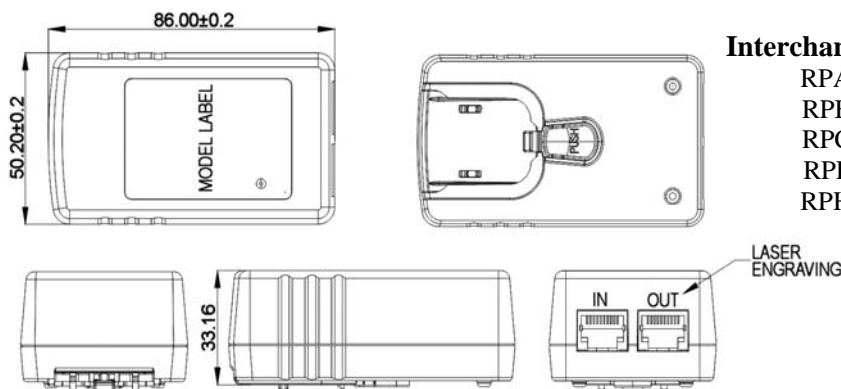
Temperature

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

