



Single Port 16W Power over Ethernet Interchangeable Wall Plug* Adapter Power Injector



*Plugs sold separately

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		Output Power	Regulation	
		Min.	Max.		Line	Load
POE16R-1AF	56V	0A	0.275A	15.4W	54-57VDC	
POE16R-1AFG	56V	0A	0.275A	15.4W	54-57VDC	

(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) max for 90VAC

0.5A (RMS) max for 240VAC

Leakage Current

0.25mA max @ 254VAC 60Hz

AC Input Frequency

47-63Hz

AC Inrush Current

15A (RMS) max for 115VAC

20A (RMS) max for 230VAC

OUTPUT:**Total Output Power**

15.4W

Ripple and Regulation

150mV max

Efficiency

75% (typical) at max load, 120VAC 60Hz

Transient O/P Voltage Protection

60V max at switch on/off, any AC line phase

Hold-up time:

16mS min at max load and 120VAC, 60Hz

ENVIRONMENTAL:**Temperature**

Operation 0 to +40°C

Non-operation -25 to +65°C

Humidity 5 to 90%

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

FEATURES:**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 max 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

Dimensional Diagram Unit: mm

