



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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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

Phihong is not responsible for any error, and reserves the right to make changes without notice. Please visit our website at www.phihong.com for the most up-to-date specifications and contact information.

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

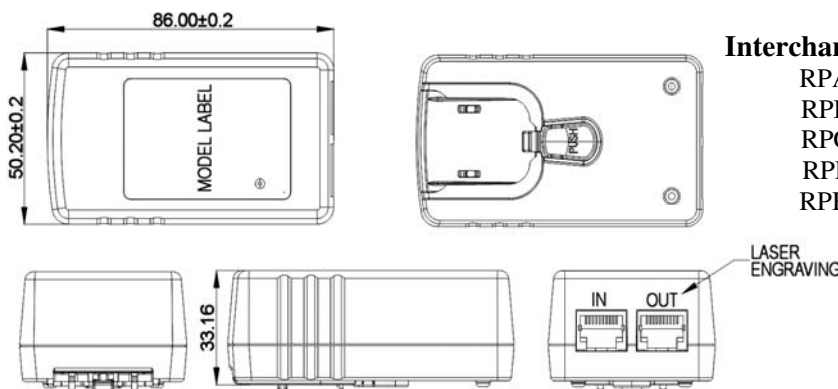
Hold-up time:
16mS minimum at maximum load and 120VAC, 60Hz

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

