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

Output Specifications

<table>
<thead>
<tr>
<th>Model (3)</th>
<th>DC Output Voltage</th>
<th>Load Min.</th>
<th>Load Max.</th>
<th>Regulation Line</th>
<th>Regulation Load</th>
<th>Output Power</th>
</tr>
</thead>
<tbody>
<tr>
<td>POE16R-1AF</td>
<td>56V</td>
<td>0A</td>
<td>0.275A</td>
<td>±4%</td>
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(1) Interchangeable AC clips sold separately
(2) POE16R-1AFG model offers gigabit compatibility over standard model

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Revision 2/3/2012
POE16R-1AF Characteristics

**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%

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