

1. KEY FEATURES OF SWITCHING MODE POWER SUPPLY APA4806PE

- 1.1. Data and Power carried over one Ethernet Cable
- 1.2. CAT5 Ethernet (Data: 1,2,3,6 and Power: 4,5,7,8)
- 1.3. Plug and Play Installation
- 1.4. Advanced Technology SMPS Design based on Top – HX family Power Integrations
- 1.5. EcoSmart® Technology built in the IC to provide extremely energy efficient performance
- 1.6. Standby power consumption <200mW
- 1.7. Temperature sensing for thermal protection
- 1.8. Application: IP Telephony, Wireless Network Access Points, Security Cameras, IP Print Servers, Blue Tooth Access Point

2. MECHANICAL

- 2.1. Dimensions: 135mm(L) X 54mm(W) X 40mm(H)
- 2.2. Weight: Approx. 220gms (without packing)
- 2.3. Connectors:
 - AC Input (Mains Supply): 3 Pin plug – customizable as per standard followed in user's region
 - DC Output: RJ45 connectors for Data IN and Data + Power OUT

3. TECHNICAL SPECIFICATIONS

- 3.1. Input Specifications:
 - Input operating range: 95 – 310Vac
 - Operating Frequency: 50Hz
 - Input current with load: 120mA
 - Line Regulation: +/-1.0%
- 3.2. Output Specifications:
 - Output Voltage: 48Vdc
 - Output Current: 0.6Amp
 - Ripple Voltage(peak to peak): <180mV
 - Load Regulation: +/-1.0%
 - Power ON indicator: Red LED
 - Efficiency: >80%

3.3. Environmental:

- Operating Temperature: 0-50°C
- Storage Temperature: -15 °C to 70 °C
- Humidity: 5% to 95% non-condensing

3.4. Protections:

- Output Over Load Protection: At 10% overload or more, the output will fold back and will resume normal operation on removal of over load as per IEEE802.3af
- Output Short Circuit Protection: In case of short circuit, the output will fold back and will resume operation on removal of short
- Over Temperature Protection: In case of temperature exceeding 140 °C at the device, the power supply will shut down and resume normal operation on restoration within normal operating temperature

4. Image of PoE Unit:



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NOTE: Specifications are subject to change without any prior notification. Image is representation purpose only