



## 4 Port IEEE802.3at Midspan Gigabit High Power over Ethernet Midspan



**iol** InterOperability Laboratory  
Part of the University of New Hampshire Research Computing Center



### Features

- Compliant with the IEEE802.3at Standard
- 10/100/1000 Base-T Compatible
- Cisco AP1250 Full Power Support
- Optional Kit available for a 19" Rack Mount
- Full Power of 125W—33.6W per Port
- No Power Management Required
- Full Protection OCP, OVP
- 1 Year Warranty

### Applications

- VoIP Phones
- Access Points
- Security Systems
- IP Cameras

### Safety Approvals

- cUL/UL
- CE

### Mechanical Characteristics

- Length: 224.9mm (8.85in)
- Width: 200mm (7.87in)
- Height: 48.5 mm (1.91in)
- Weight: 1.4Kg (3.0lbs)

### Output Specifications

Model	Number of Ports
POE125U-4AT-(x)	4

Option X = N SNMP Management option

Optional 19" Rack mounting adapter to mount 1 POE125U or 2 side by side. Order P/N POE125U-ACCY01

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**INPUT:**

**AC Input**

Voltage Range 90 to 264VAC

**Input Frequency**

47-63Hz

**Input Current**

2.5A (RMS) maximum for 90VAC  
1.3A (RMS) maximum for 240VAC

**Leakage Current**

3.5mA maximum @ 254VAC 60Hz

**AC Inrush Current**

30A (RMS) maximum for 115VAC  
60A (RMS) maximum for 230VAC

**OUTPUT:**

**Total Output Power**

33.6Wper port

**Ripple and Regulation**

100mV maximum

**Efficiency**

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

**Hold-up Time**

10mS min. 120VAC and maximum load

**Transient O/P Voltage Protection**

60V maximum at switch on and off at any AC line Phase

**Turn-On Delay Time**

3 sec maximum at maximum load, and 120VAC 60Hz, 25Hz

**ENVIRONMENTAL:**

**Temperature**

Operation 0 to +40°C  
Non-operation -25 to +65°C

**Humidity**

Operation 5 to 90%  
Non-Operation 5 to 90%

**EMC**

FCC Class B  
EN55022 Class B

**Isolation Test**

Primary to Secondary: 4242VDC for 1 minute  
Primary to Ground: 2121VDC for 1 minute  
Secondary to Ground: 2121VDC for 1 minute

**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

**IEEE 802.3at Interoperability**

UNH Interoperability report available on request

**FEATURE:**

**Cisco**

No extern parts required for Legacy devices:  
VoIP Phones:  
7910, 7912, 7940, 7960  
Access Points:  
1040, 1140, 1250, 1260, 3500

**Over Voltage/Current, Short Circuit Protection**

Outputs equipped with short circuit protection and overload protection as per 802.3at specifications  
The output can be shorted permanently without damage

**Over Temperature Protection**

Automatic shutdown without damage

**Indicators**

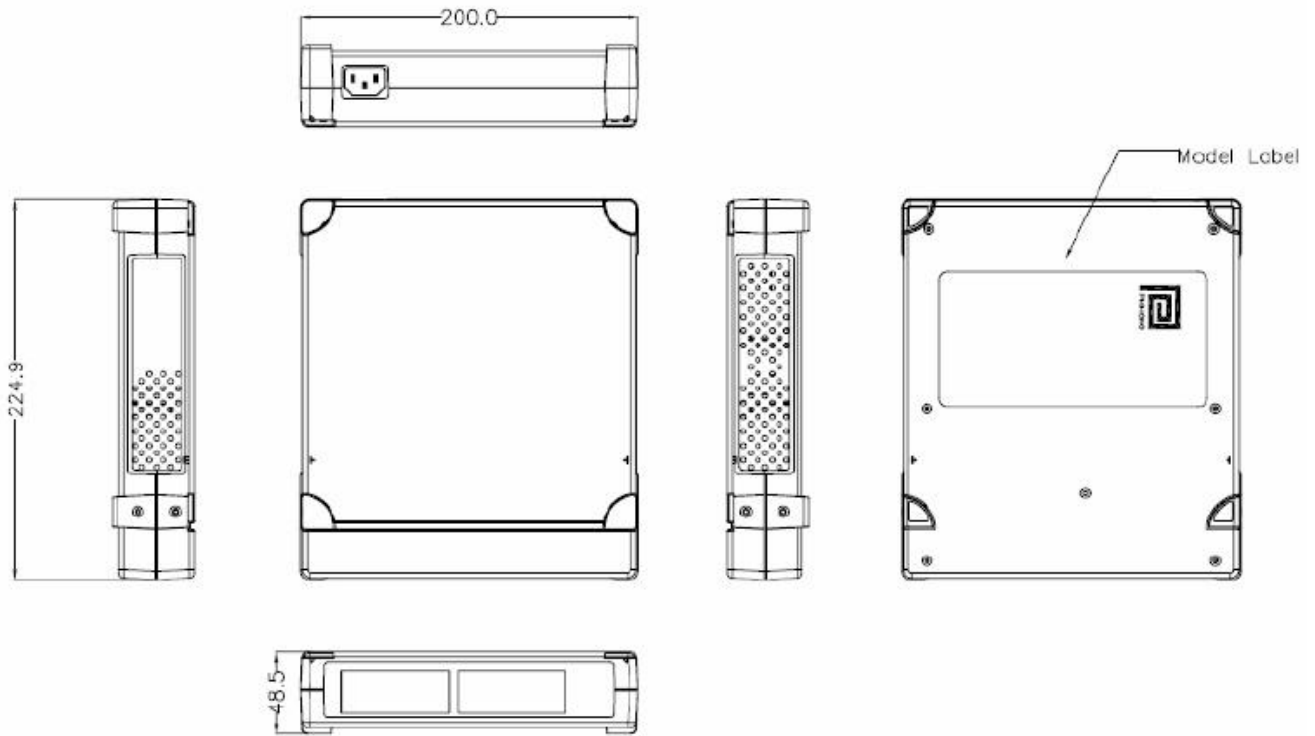
Green LED: Power detected “ON”  
Yellow LED: Fault detected

**Input Connector**

AC Input IEC320 C14

**Warranty**

1 Year



**Façade Display Showing Optional Rack Mounting**

