



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



### 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	SNMP
POE125U-4-AT-R	4	No
POE125U-4-AT-N-R	4	Yes

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

#### Reference Files:

1. [Multiport Midspan Installation Manual.pdf](#)
2. [19in Rack Mounting Kit Datasheet.pdf](#)
3. [SNMPv2c User Manual-Rev1.7.pdf](#)
4. [SNMPv2c Firmware-Rev1.7.zip](#)
5. [SNMPv2c MIB 10\\_30\\_2009.zip](#)

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

**INPUT:**

EN55022 Class B

**AC Input**

Voltage Range 90 to 264VAC

**Isolation Test**

Primary to Secondary: 4242VDC, 1 minute

Primary to Ground: 2121VDC, 1 minute

Secondary to Ground: 2121VDC, 1 minute

**Input Frequency**

47-63Hz

**Input Current**

2.5A (RMS) max for 90VAC

1.3A (RMS) max for 240VAC

**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

**Leakage Current**

3.5mA max @ 254VAC 60Hz

**AC Inrush Current**

30A (RMS) max for 115VAC

60A (RMS) max for 230VAC

**IEEE 802.3at Interoperability**

UNH Interoperability report available on request

**OUTPUT:**

**Total Output Power**

33.6W per port

**FEATURES:**

**Cisco**

No extern parts required for Legacy devices:

VoIP Phones:7910, 7912, 7940, 7960

Access Points:1040, 1140, 1250, 1260, 3500

**Ripple and Regulation**

100mV max

**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

**Efficiency**

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

**Over Temperature Protection**

Automatic shutdown without damage

**Hold-up Time**

10mS min. 120VAC, max load

**Indicators**

Green LED: Power detected “ON”

Yellow LED: Fault detected

**Transient O/P Voltage Protection**

60V max at switch on/off at any AC line Phase

**Turn-On Delay Time**

3 sec max at max load,120VAC 60Hz,25Hz

**ENVIRONMENTAL:**

**Temperature**

Operation 0°C to +40°C

Non-operation -25°C to +65°C

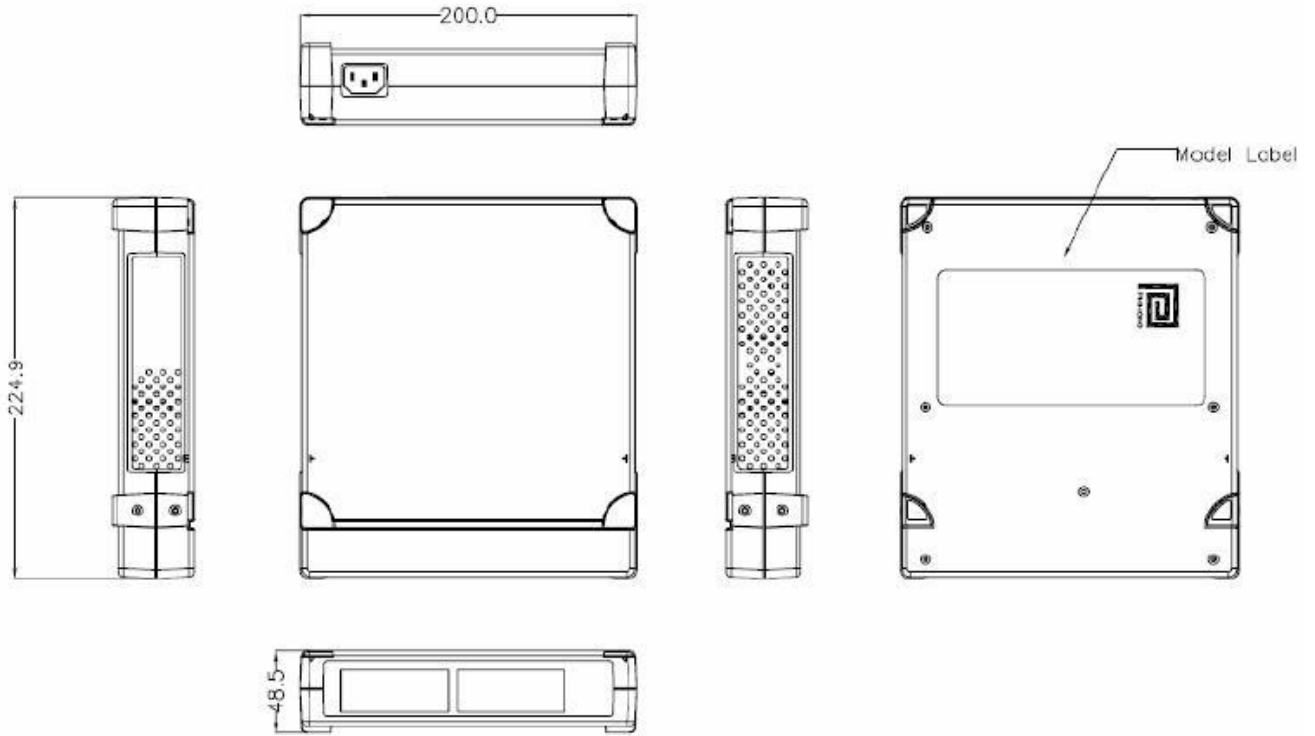
Humidity 5 to 90%

**Input Connector**

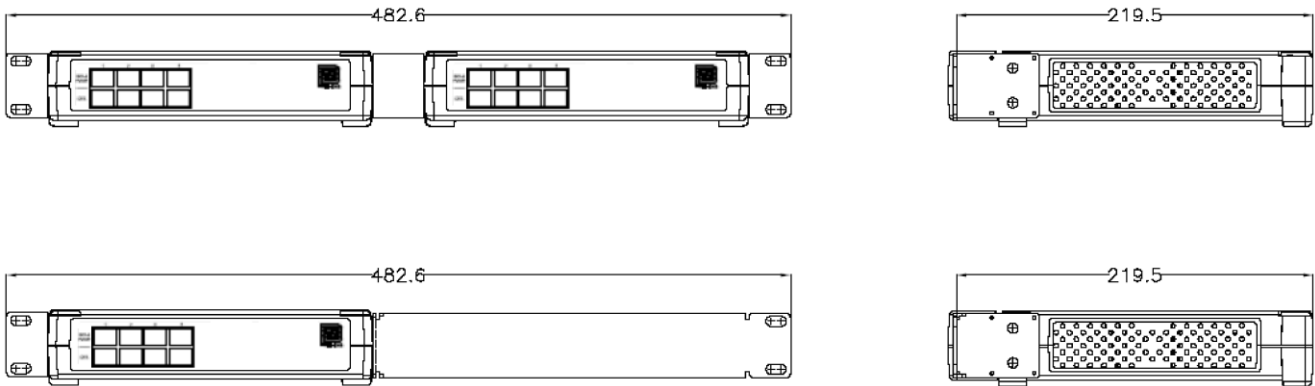
AC Input IEC320 C14

**EMC**

FCC Class B



**Façade Display Showing Optional Rack Mounting**



**Supplier's Declaration of Conformity  
47 CFR § 2.1077 Compliance Information**

Phihong USA Corporation  
47800 Fremont Boulevard  
Fremont, CA 94538  
Telephone: (510) 445-0100  
[www.phihong.com](http://www.phihong.com)

NOTE: This model has/The models in this products series have been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications to equipment not expressly approved by PHIHONG could void the user's authority to operate the equipment.