



## 2 Port 95W per Port Power over Ethernet Mega PoE Midspan



### Features

- Fully Compliant Detection, Disconnect and Voltage Control IEEE802.3af
- Gigabit Compatible
- SNMP Management
- Full Protection OCP, OVP
- Kit available for mounting in a 19" Rack
- Proprietary Detection, Disconnect and Overload Protection
- Limited Power Source
- Diagnostic LEDs
- Full Power at 95W per port
- 1 Year Warranty

### Applications

- LCD Displays
- Wireless Access Points
- Emergency Lights
- Magnetic Locks
- Computer Stations
- Kiosks
- Outdoor Security Cameras
- Medical Monitoring

### Safety Approvals

- cUL/UL
- CE

### Mechanical Characteristics

- Length: 224.9mm (8.85in)
- Width: 200mm (7.87in)
- Height: 48.5 mm (1.91in)
- Weight: 1.59Kg (3.5lbs)

### Output Specifications

Model	Number of Ports
POE240U-2MP-N-R	2

Optional 19" Rack mounting adapter to mount 1 POE240U or 2 side by side; order P/N POE125U-ACCY01

#### Reference files:

1. [SNMPv2c User Manual-Rev1.7.pdf](#)
2. [Multiport Midspan Installation Manual.pdf](#)
3. [SNMPv2c Firmware-Rev1.7.zip](#)
4. [SNMPv2c MIB\\_10\\_30\\_2009.zip](#)
5. [19in Rack Mounting Kit Datasheet.pdf](#)

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**INPUT:****AC Input Voltage Range**

90 to 264VAC

**Input Frequency**

47-63Hz

**Input Current**

5A (RMS) maximum for 90VAC

2.5A (RMS) maximum for 230VAC

**Leakage Current**

3.5mA maximum at 254VAC 60Hz

**AC Inrush Current**

30A (RMS) maximum for 115VAC

60A (RMS) maximum for 230VAC

**OUTPUT:****Total Output Power**

95W per port

Total power on all ports 190W

**Ripple and Regulation**

250mV 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**20 sec maximum at maximum load, and  
120VAC 60Hz, 25Hz**ENVIRONMENTAL:****Temperature**

Operation 0 to +40°C

Non-operation -25 to +65°C

Humidity 5 to 90%

**EMC**

EN55022 Radiate Class A

EN55022 Conducted Class B

**Isolation Test**

Primary to Secondary: 4242VDC, 1 minute

Primary to Ground: 2121VDC, 1 minute

Secondary to Ground: 2121VDC, 1 minute

**Insulation Resistance**Primary to Secondary: >10M OHM  
500VDCPrimary to Field Ground: >10M OHM  
500VDC**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 802.3af Interoperability**If 25kohm is detected the unit operates in  
“IEEE802.3at mode” 33.6W 2 pair  
powering. 12.5k detection resistance  
required for full power  
UNH Interoperability report available on  
request**FEATURES:****Cisco Legacy detection**

No extern parts required for Legacy devices:

VoIP Phones: 7910, 7912, 7940, 7960

Access Points: 350, 1100, 1200, 1250

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

Outputs equipped with short circuit protection and overload protection as per 802.3af specifications except for maximum average current is 1.69A  
 The output can be shorted permanently without damage

**Over Temperature Protection**

Automatic Shutdown without damage

**Indicators**

Green LED: Power detected “CONNECT” at 60W  
 Flashing GREEN: IEEE802.3at detected “CONNECT” at 30W  
 Yellow LED: Fault detected

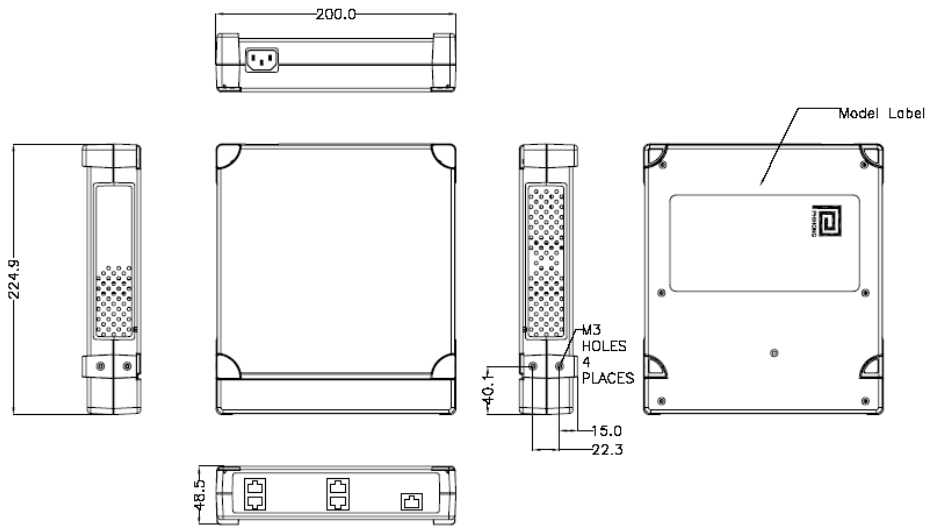
**Input Connector**

AC Input IEC320 3 pin

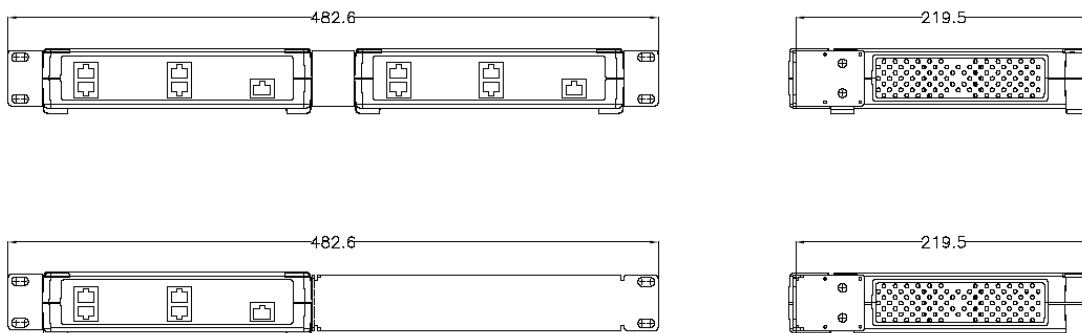
**Output Connection**

4-pair powering for full power  
 Pins 3,6, 4,5(+) Pins 1,2, 7,8 (-)  
 2-pair powering for IEEE802.3at mode  
 Pins 3,6(+) Pins 1,2 (-)

**Dimension Diagram (mm)**



**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.