



## 4 Ports 60W per Port Power over Ethernet Ultra PoE Midspan



### Features

- Fully Compliant Detection, Disconnect and Voltage Control IEEE802.3af
- Proprietary Detection, Disconnect and Overload Protection
- Full Protection OCP, OVP
- Optional Mounting Kit for 19" Rack
- Limited Power Source
- Gigabit Compatible
- Full Power at 60W per port
- Diagnostic LEDs
- SNMP Management
- 1-Year Warranty<sup>1</sup>

### Applications

- LCD Displays
- Wireless Access Points
- High Power Radios
- Computer Stations
- Kiosks

### 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-4UP-N-R	4

Notes:

1. Effective January 1, 2019, warranty is valid for one year from purchase date. Optional extended warranties available-please consult factory for more information

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

Reference files:

1. [SNMPv2c\\_User\\_Manual-Rev1.7.pdf](#)
2. [SNMPv2c\\_Firmware-Rev1.7.zip](#)
3. [SNMPv2c\\_MIB\\_10\\_30\\_2009.zip](#)

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

90 to 264VAC

**Input Frequency**

47-63Hz

**Input Current**

5A (RMS) max for 90VAC

2.5A (RMS) max for 230VAC

**Leakage Current**

3.5mA max at 254VAC 60Hz

**AC Inrush Current**

30A (RMS) max for 115VAC

60A (RMS) max for 230VAC

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

60W per port at 56V+1/-2

Total power on all ports 240W

**Ripple and Regulation**

250mV max

**Efficiency**

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

**Hold-up Time**

10mS min. 120VAC and max load

**Transient O/P Voltage Protection**

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

**Turn-On Delay Time**

20 sec max at max load, 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 for 1 minute

Primary to Ground: 2121VDC for 1 minute

Secondary to Ground: 2121VDC for 1 minute

**Insulation Resistance**

Primary to Secondary: &gt;10M OHM 500VDC

Primary to Field Ground: &gt;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

**FEATURE:****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 Protections**

Outputs equipped with short circuit protection and overload protection as per 802.3af

specifications except for max average current is 1.69A

### Short Circuit Protection

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

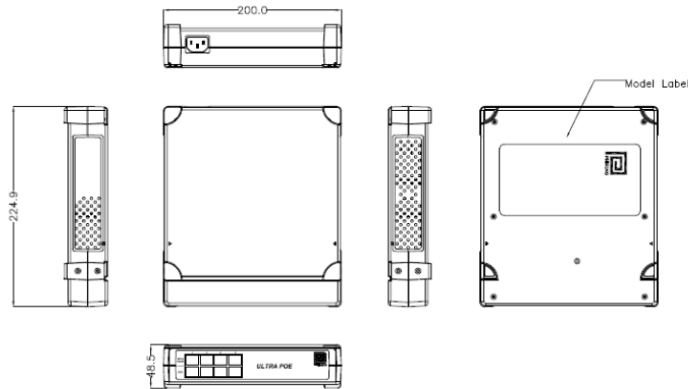
Pins 3,6(+) Pins 1,2 (-)

### Warranty

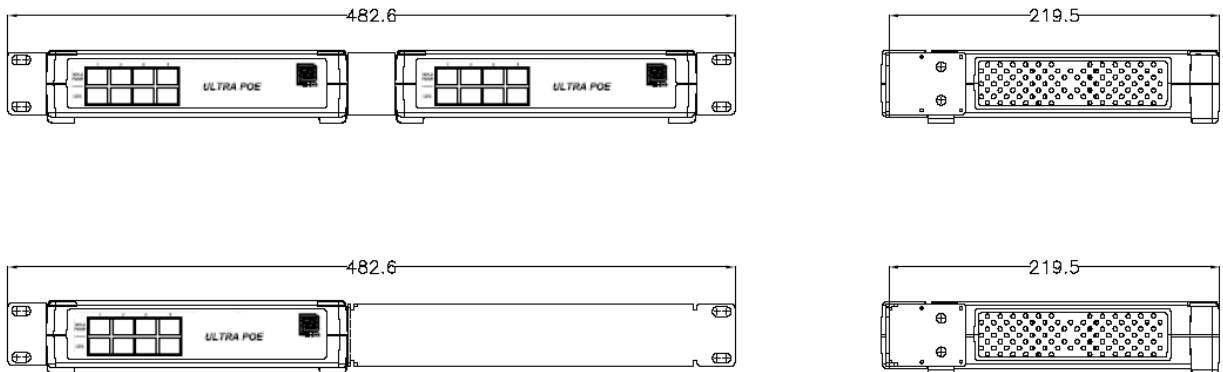
1 Year

## POE240U-4UPN-R Dimension Diagram (mm)

WWW.PHIHONG.COM



### Façade Display Showing Optional Rack Mounting



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

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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.

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