



**4/8 Ports 60W per Port Midspan  
POE480U for 10/100/1000 Base-T Networks**



**Features**

- Proprietary Detection, Disconnect and Overload Protection
- Low Cost
- Gigabit Compatible
- No Power Management required
- Full Power -- 60W per Port
- 19" Rack Mounting Kit Ships with Unit
- Full Protection OTP, OCP, OVP
- 48V RPS Input (Optional)
- 1-Year Warranty<sup>1</sup>

**Applications**

- Wireless Access Points
- Computer Workstations
- Security Systems
- IP Cameras

**Safety Approvals**

- cUL/UL
- CE

**Mechanical Characteristics**

- Length: 438mm (17.25in)
- Width: 228mm (8.98in)
- Height: 44.5 mm (1.75in)
- Weight: 1.0Kg (2.5lbs)

**Output Specifications**

| Model         | Number of Ports |
|---------------|-----------------|
| POE480U-4UP-R | 4               |
| POE480U-8UP-R | 8               |

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

Reference files: [Multiport Midspan Installation Manual.pdf](#)

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.

## POE480U-UP Characteristics

WWW.PHIHONG.COM

### INPUT:

#### AC Input:

**Voltage Range**  
90 to 264VAC

#### Input Frequency

47-63Hz

#### Input Current:

7.5A (RMS) max for 90VAC  
3A (RMS) max for 240VAC

#### Leakage Current

3.5mA max @ 254VAC 60Hz

#### AC Inrush Current

30A (RMS) max for 115VAC

#### DC Input (Optional)

**Voltage Range**  
44-57VDC. Source should be SELV and isolated from ground by 1500Vac

#### Input Current

10A Max

### OUTPUT:

#### Output Power

60W per port  
240-480W Total Power

#### Ripple and Regulation

100mV maximum

#### Efficiency

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

#### Hold-up Time

16mS min. at max load, 120 VAC 60Hz

#### Transient O/P Voltage Protection

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

#### Turn-On Delay Time

10 sec max at max load, and 120VAC 60Hz, 25Hz

### ENVIRONMENTAL:

#### Temperature

|               |              |
|---------------|--------------|
| Operation     | 0 to +40°C   |
| Non-operation | -25 to +65°C |
| Humidity      | 5 to 90%     |

#### EMI

EN55022 Class B, FCC Class B with FTP cabling  
EN55022 Class A, FCC Class A with UTP cabling

#### 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 802.3af Interoperability

12.5k detection resistance required for full power  
UNH Interoperability report available upon request

### FEATURES:

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

The output can be shorted permanently

without damage.

### POE480U-UP Characteristics

WWW.PHIHONG.COM

#### Over Temperature Protection

Automatic shutdown without damage

#### Indicators

Green LED: Power detected “CONNECT”  
at 60W

Yellow LED: Fault detected

#### USB Diagnostics Port and NIC Interface

USB “B” port for diagnostics and manual  
port control

Windows GUI

NIC interface for remote management via  
secure IP access

#### Input Connector

AC Input IEC320 C14

DC Input Molex 39-30-0060

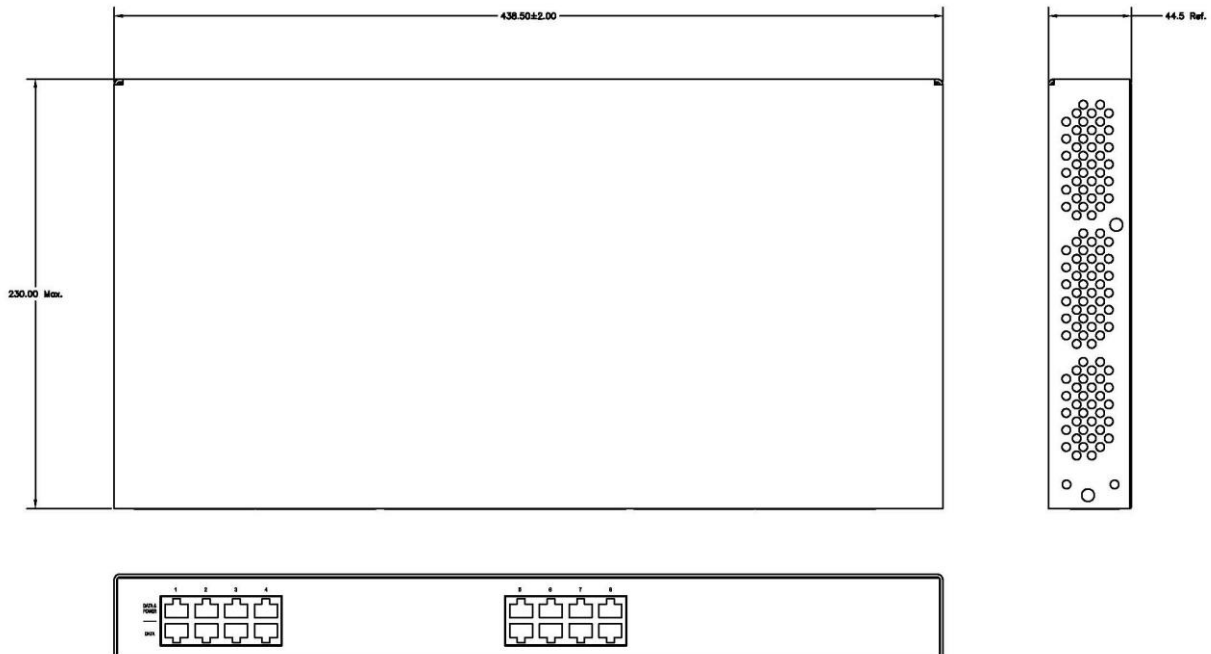
#### Output Connection

4-pair powering for full power:

Pines 3, 6, 4 5(+)

Pines 1, 2, 7, 8 (-)

### Dimension Diagram: mm



**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.