



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



### Features

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

### 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 (xxx)	4
POE480U-8UP (xxx)	8

Options: xxx= **RPS** for AC and DC input, **DC** for DC only, Neither **RPS** or **DC** is AC input only:

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:****AC Input**

Voltage Range 90 to 264VAC

Input Frequency 47-63Hz

Input Current:

7.5A (RMS) maximum for 90VAC

3A (RMS) maximum for 240VAC

Leakage Current: 3.5mA maximum @ 254VAC 60Hz

AC Inrush Current:

30A (RMS) maximum for 115VAC

**DC Input (Optional)**

Voltage Range 44-57Vdc

Source should be SELV and isolated from ground by 1500Vac

Input Current 10A Max

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

60W per port

240-480W Total Power

**Ripple and Regulation**

100mV maximum

**Efficiency**

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

**Hold-up Time**

16mS min. at maximum load, and 120 VAC 60Hz

**Transient O/P Voltage Protection**

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

**Turn-On Delay Time**

10 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%

**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**

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

The output can be shorted permanently without damage

**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

Pins 3,6, 4,5(+) Pins 1,2, 7,8 (-)

**Warranty**

1 Year

