



## 4-Port 95W per Port Midspan Mega Power over Ethernet Midspans



### Features

- Proprietary Detection, Disconnect and Overload Protection
- SNMP Management
- Mega PoE 95W per Port
- Diagnostic LEDs
- 1U Rack Mounting Kit Ships with Unit
- Fully Compliant Detection, disconnect and Voltage Control per IEEE802.3af
- Gigabit Compatible
- Full Protection OCP, OVP
- Limited Power Source
- 1 Year Warranty

### Applications

- Wireless Access Points
- Computer Workstations
- Kiosks
- Security Systems
- IP Cameras
- Magnetic Locks

### Safety Approvals

- cUL/UL
- CE

### Mechanical Characteristics

- Length: 438mm (17.25in)
- Width: 228mm (8.98in)
- Height: 44.5mm (1.75in)
- Weight: 3.8Kg (8.5lbs)

### Output Specifications

Model <sup>(1)</sup>	DC Output Voltage	Load		Output Power per Port
		Min.	Max. <sup>(2)</sup>	
POE576U-4MP-N-R	56V	15mA	1.69A	95W

Note (1): Model without SNMP management available upon special request

Note (2): Max load applies to compliant load at 12.5K detection. If operating at 25K "IEEE802.3at mode" max load is 0.6A

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](#)

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:****Input Voltage Rating**

100 to 240VAC

**Input Voltage Range**

90 to 264VAC

**AC Input Current**

9.0A (RMS) 90VAC at maximum load  
4.25A (RMS) 230VAC at maximum load

**AC Input Frequency**

47 to 63Hz

**Leakage Current**

3.5mA maximum at 264VAC and 60Hz

**Max In-Rush Current:**

30A for 115VAC at maximum load  
60A for 230VAC at Maximum load  
(Cold Start at Ambient 25°C)

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

95W per port  
380W Maximum Total Power

**Ripple and Regulation**

250mV maximum

**Efficiency**

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

**Hold-Up Time**

16mS 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,  
120VAC 60Hz

**ENVIRONMENTAL****Temperature**

Operation 0 to +40C  
Non-Operation -25 to +65C

**Humidity**

Operation 5 to 90%  
Non-Operation 5 to 90%

**EMC**

EN55022 Class A, FCC Class A with UTP  
cabling

EN55022 Class B, FCC Class B with FTP  
cabling

**Isolation Test**

Primary to Secondary: 4242VDC for 1 min

Primary to Ground: 2121VDC for 1 min

Secondary to Ground: 2121VDC for 1 min

**Immunity EN50082-1**

ESD: EN61000-4-2 Level 3

RS: EN61000-4-3 Level 2

EFP: 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

**IEEE802.3af/at Interoperability**

If 25K Ohm is detect the unit operates in  
“IEEE802.3at mode” 33.6W 2 pair  
powering. 12.5K detection resistance  
required for full power.

**FEATURE:****Cisco Legacy Detection**

No extern parts required for Legacy  
Devices:

VoIP Phones:7910, 7912, 7940, 7960

Access Points350, 1100, 1200

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

Outputs equipped with short circuit protection and overload protection as per 802.3af specification except at maximum average current is 1.69A

The output can be shorted permanently without damage

**Over Temperature Protection**

Automatic shutdown without damage

**Indicators**

Solid Green LED: Power detected “ON”

Flashing Green: IEEE802.3at or (af) detected

Yellow LED: Fault detected

**SNMPv2c management port Interface**

NIC interface for remote management via secure IP access

**Input Connector**

AC Input IEC320 C14

**Output Connection**

4-pair powering for full power

Pins 3, 4, 5, 6 (+)

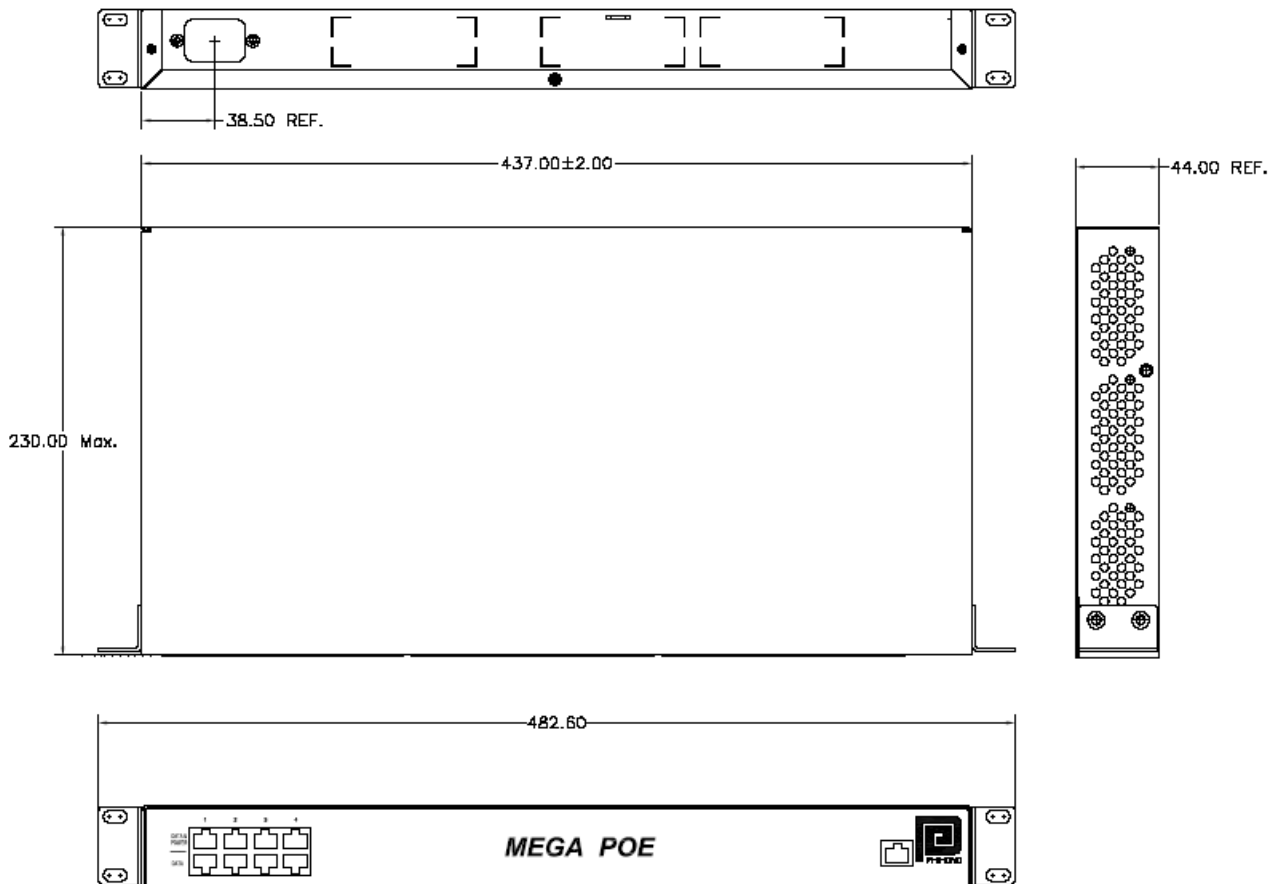
Pins 1, 2, 7, 8 (-)

2-pair powering for IEEE802.3at mode

Pins 3, 6 (+)

Pins 1, 2 (-)

**POE576U-4MPN-R Dimension Diagram Unit: 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.