



## 8-Port 72W per Port Midspan POE576U-8UP-N for 10/100/1000 Base-T Networks



### Features

- Proprietary Detection, Disconnect and Overload Protection
- Limited Power Source
- Gigabit Compatible
- 1U Rack Mounting Kit Ships with Unit
- Full Power of 576W--72W per Port
- Full Protection OTP, OCP, OVP
- SNMPv2c Management
- Ultra PoE at 72W per port
- 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: 3.8Kg (8.5lbs)

### Output Specifications

Model <sup>(1)</sup>	DC Output Voltage	Load		Output Power per Port
		Min.	Max. <sup>(2)</sup>	
POE576U-8UP-N-R	56V	15mA	1.29A	72W

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](#)

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**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**

72W per port

576W 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 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 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

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.

**FEATURES:****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**

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

**Input Connector**

AC Input IEC320 C14

**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

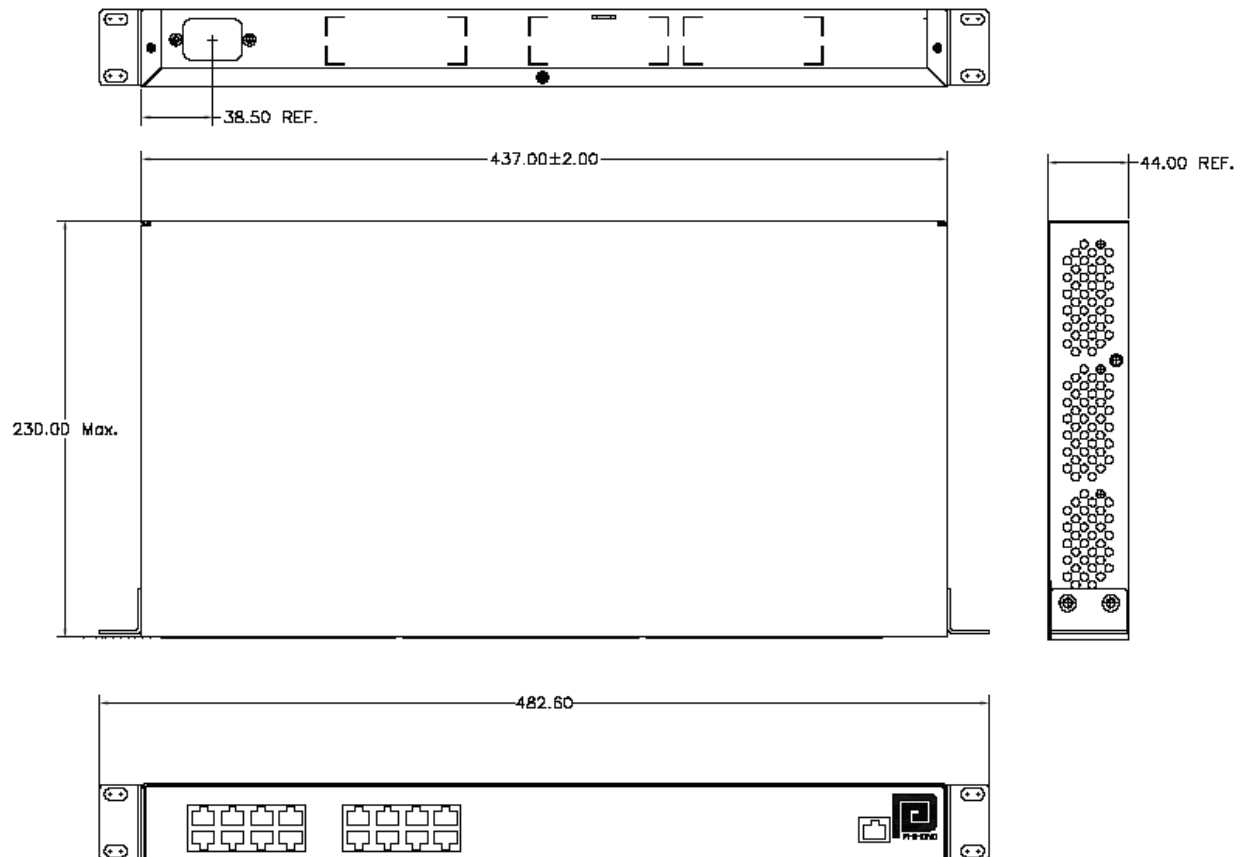
Pins 3,6(+)

Pins 1,2 (-)

**SNMPv2c management port Interface**

NIC interface for remote management via secure IP access

**POE576U-8UPN-R Dimension Diagram**



**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.