



## 8-Port 95W per Port Midspan Mega Power over Ethernet Midspan



### Features

- Proprietary Detection (12.5K), Disconnect and Overload Protection
- SNMP v2c Management
- Mega PoE 95W per Port
- Diagnostic LEDs
- 1U Rack Mounting Kit Ships with Unit
- Fully Compliant Detection, disconnect and Voltage Control per IEEE802.3at
- Gigabit Compatible
- Full Protection OCP, OVP
- Limited Power Source
- 1 Year Warranty<sup>1</sup>

### 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>2</sup> | DC Output Voltage | Load |                   | Output Power per Port |
|--------------------|-------------------|------|-------------------|-----------------------|
|                    |                   | Min. | Max. <sup>3</sup> |                       |
| POE806U-8MP-N-R    | 56V               | 15mA | 1.69A             | 95W                   |

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
2. Model without SNMP management available upon special request
3. 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:****AC Input Voltage Rating**

100 to 240VAC

**AC Input Voltage Range**

90 to 264VAC

**AC Input Current**

15.0A (RMS) 90VAC at max load

10.0A (RMS) 230VAC at max load

**AC Input Frequency**

47 to 63Hz

**Leakage Current**

&lt; 3.5mA max at 264VAC, 60Hz

**Max In-Rush Current:**

30A for 115VAC at max load

60A for 230VAC at max load

(Cold Start at Ambient 25°C)

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

95W per port

760W max Total Power

**Ripple (P-P)**

250mV max

**Efficiency**

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

**Hold-Up Time**

16mS 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 (for PoE detection)**

20 sec max at max 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  
cablingEN55022 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

**FEATURES:****IEEE802.3af/at Interoperability**If 25K Ohm is detected then the unit  
operates in "IEEE802.3at mode" 33.6W 2  
pair powering. 12.5K detection resistance  
required for full power 95W/port.**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

**Input Connector (Standard Model)**

AC Input IEC320 C14

**Indicators**

Solid Green LED: Power detected “ON”

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

Yellow LED: Fault detected

**Output Connection**

4-pair powering for full power

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

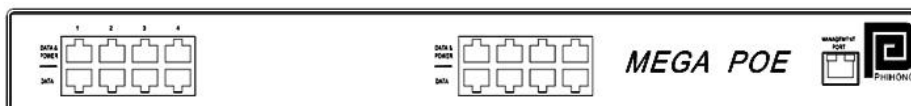
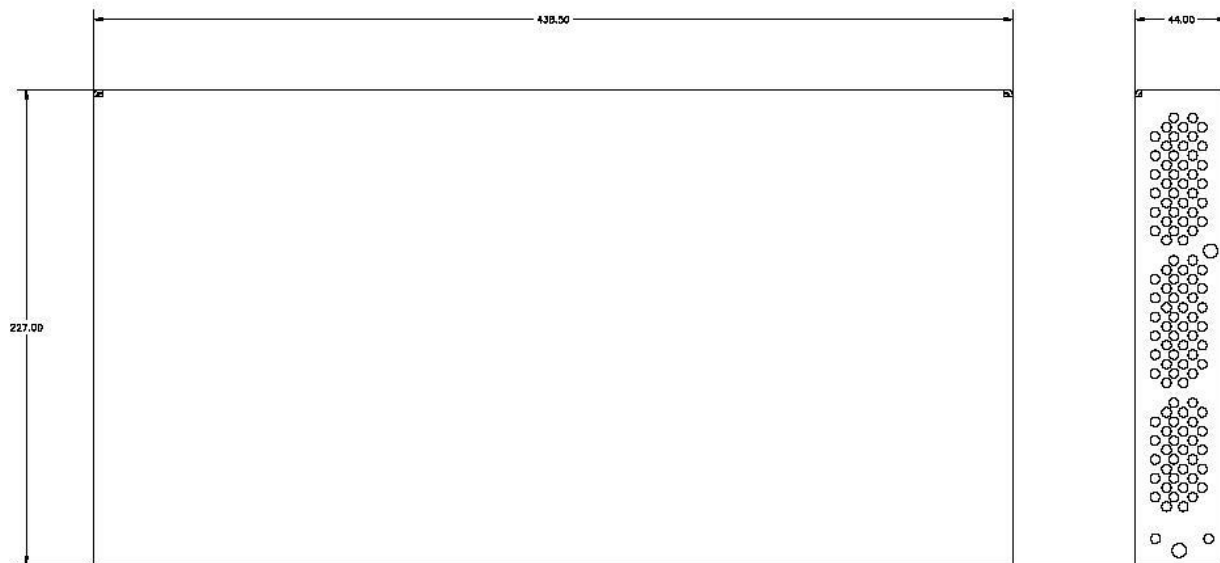
2-pair powering for IEEE802.3at mode

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

**SNMPv2c management port Interface**

NIC interface for remote management via secure IP access

**Dimension Diagram Unit:mm**



**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.