



2 Port 95W per Port Power over Ethernet Mega PoE Midspan



Features

- Fully Compliant Detection, Disconnect and Voltage Control IEEE802.3af
- Gigabit Compatible
- SNMP Management
- Full Protection OCP, OVP
- Kit available for mounting in a 19" Rack
- Proprietary Detection, Disconnect and Overload Protection
- Limited Power Source
- Diagnostic LEDs
- Full Power at 95W per port
- 1-Year Warranty¹

Applications

- LCD Displays
- Wireless Access Points
- Emergency Lights
- Magnetic Locks
- Computer Stations
- Kiosks
- Outdoor Security Cameras
- Medical Monitoring

Safety Approvals

- cUL/UL
- CE

Mechanical Characteristics

- Length: 224.9mm (8.85in)
- Width: 200mm (7.87in)
- Height: 48.5 mm (1.91in)
- Weight: 1.59Kg (3.5lbs)

Output Specifications

Model	Number of Ports
POE240U-2MP-N-R	2

Notes:

- Effective January 1, 2019, warranty is valid for one year from purchase date. Optional extended warranties available-please consult factory for more information

Optional 19" Rack mounting adapter to mount 1 POE240U or 2 side by side; order P/N POE125U-ACCY01

Reference files:

- [SNMPv2c User Manual-Rev1.7.pdf](#)
- [Multiport Midspan Installation Manual.pdf](#)
- [SNMPv2c Firmware-Rev1.7.zip](#)
- [SNMPv2c MIB 10_30_2009.zip](#)
- [19in Rack Mounting Kit Datasheet.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 for the most up-to-date specifications and contact information.

INPUT:**AC Input Voltage Range**

90 to 264VAC

Input Frequency

47-63Hz

Input Current

5A (RMS) maximum for 90VAC

2.5A (RMS) maximum for 230VAC

Leakage Current

3.5mA maximum at 254VAC 60Hz

AC Inrush Current

30A (RMS) maximum for 115VAC

60A (RMS) maximum for 230VAC

OUTPUT:**Total Output Power**

95W per port

Total power on all ports 190W

Ripple and Regulation

250mV maximum

Efficiency75% (typical) at maximum load, and
120VAC 60Hz**Hold-up Time**

10mS min. 120VAC and maximum load

Transient O/P Voltage Protection60V maximum at switch on and off at any
AC line Phase**Turn-On Delay Time**20 sec maximum at maximum load, and
120VAC 60Hz, 25Hz**ENVIRONMENTAL:****Temperature**

Operation 0 to +40°C

Non-operation -25 to +65°C

Humidity 5 to 90%

EMC

EN55022 Radiate Class A

EN55022 Conducted Class B

Isolation Test

Primary to Secondary: 4242VDC, 1 minute

Primary to Ground: 2121VDC, 1 minute

Secondary to Ground: 2121VDC, 1 minute

Insulation ResistancePrimary to Secondary: >10M OHM
500VDCPrimary to Field Ground: >10M OHM
500VDC**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 InteroperabilityIf 25kohm is detected the unit operates in
“IEEE802.3at mode” 33.6W 2 pair
powering. 12.5k detection resistance
required for full power
UNH Interoperability report available on
request**FEATURES:****Cisco Legacy detection**

No extern parts required for Legacy devices:

VoIP Phones: 7910, 7912, 7940, 7960

Access Points: 350, 1100, 1200, 1250

Over Voltage/Current, Short Circuit Protection

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

The output can be shorted permanently without damage

Over Temperature Protection

Automatic Shutdown without damage

Indicators

Green LED: Power detected “CONNECT” at 60W
Flashing GREEN: IEEE802.3at detected “CONNECT” at 30W

Yellow LED: Fault detected

Input Connector

AC Input IEC320 3 pin

Output Connection

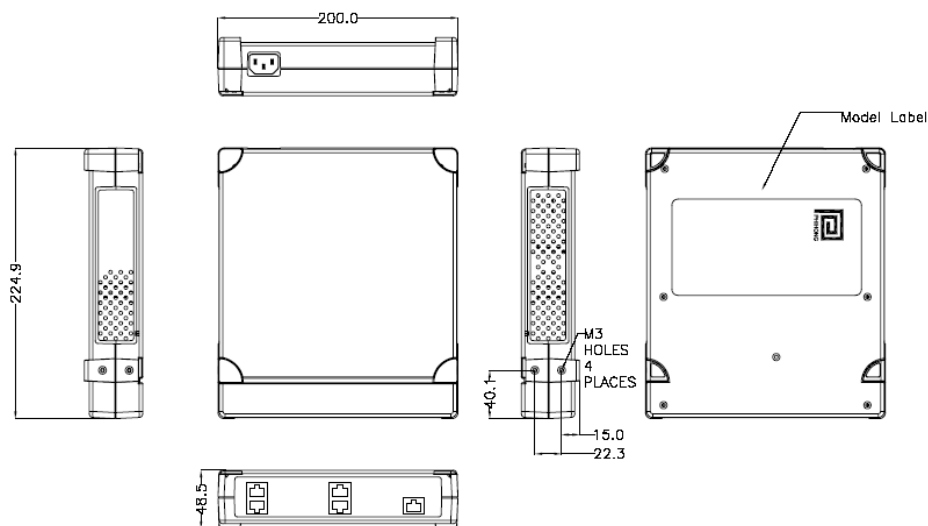
4-pair powering for full power

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

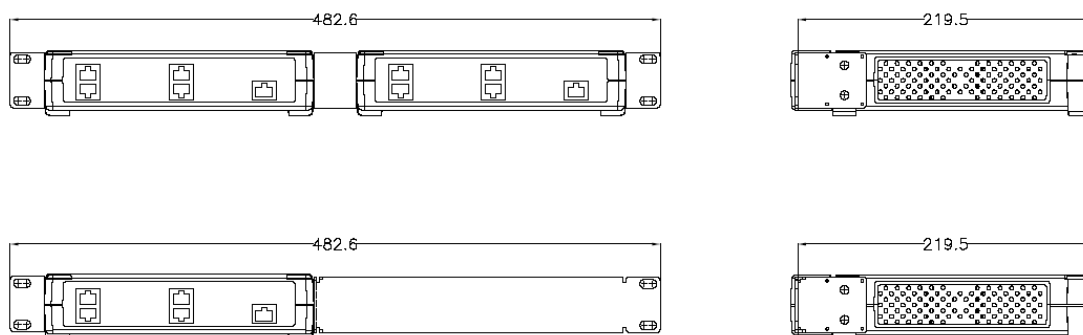
2-pair powering for IEEE802.3at mode

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

Dimension Diagram (mm)



Façade Display Showing Optional Rack Mounting



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.

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[POE240U-2MPN-R](#)