



4 Port IEEE802.3at Gigabit High Power over Ethernet Midspan



Features

- Compliant with the IEEE802.3at Standard
- 10/100/1000 Base-T Compatible
- Cisco AP1250 Full Power Support
- Optional Kit available for a 19" Rack Mount¹
- Full Power of 134.4W—33.6W Per Port
- No Power Management Required
- Full Protection OCP, OVP
- 1 Year Warranty²

Applications

- VoIP Phones
- Access Points
- Security Systems
- IP Cameras

Safety Approvals

- cUL/UL
- CE

Mechanical Characteristics

- Length: 224.9mm (8.85in)
- Width: 200mm (7.87in)
- Height: 48.5 mm (1.91in)
- Weight: 1.4Kg (3.0lbs)

Output Specifications

Model	Number of Ports	SNMP
POE125U-4-AT-R	4	No
POE125U-4-AT-N-R ³	4	Yes

Reference Files:

1. [Multiport Midspan Installation Manual.pdf](#)
2. [19in Rack Mounting Kit Datasheet.pdf](#)
3. [SNMPv2c User Manual-Rev1.7.pdf](#)
4. [SNMPv2c Firmware-Rev1.7.zip](#)
5. [SNMPv2c MIB_10_30_2009.zip](#)

Notes:

1. Optional 19" Rack mounting adapter to mount 1 POE125U or 2 side by side. Order P/N POE125U-ACCY01
2. Effective January 1, 2019, warranty is valid for one year from purchase date. Optional extended warranties available-please consult factory for more information
3. Trap functions are no longer supported

INPUT:

AC Input

Voltage Range 90 to 264VAC

Input Frequency

47-63Hz

Input Current

2.5A (RMS) max for 90VAC

1.3A (RMS) max for 240VAC

Leakage Current

3.5mA max @ 254VAC 60Hz

AC Inrush Current

30A (RMS) max for 115VAC

60A (RMS) max for 230VAC

OUTPUT:

Total Output Power

33.6W per port

Ripple and Regulation

100mV max

Efficiency²

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

Hold-up Time

10mS min. 120VAC, max load

Transient O/P Voltage Protection

60V max at switch on/off at any AC line Phase

Turn-On Delay Time

3 sec max at max load, 120VAC 60Hz, 25Hz

ENVIRONMENTAL:

Temperature

Operation 0°C to +40°C

Non-operation -25°C to +65°C

Humidity 5 to 90%

EMC

FCC Class B

EN55022 Class B

Isolation Test

Primary to Secondary: 4242VDC, 1 minute

Primary to Ground: 2121VDC, 1 minute

Secondary to Ground: 2121VDC, 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 802.3at Interoperability

UNH Interoperability report available on request

FEATURES:

Cisco

No extern parts required for Legacy devices:

VoIP Phones: 7910, 7912, 7940, 7960

Access Points: 1040, 1140, 1250, 1260, 3500

Over Voltage/Current, Short Circuit Protection

Outputs equipped with short circuit protection and overload protection as per 802.3at specifications. The output can be shorted permanently without damage

Over Temperature Protection

Automatic shutdown without damage

Indicators

Green LED: Power detected “ON”

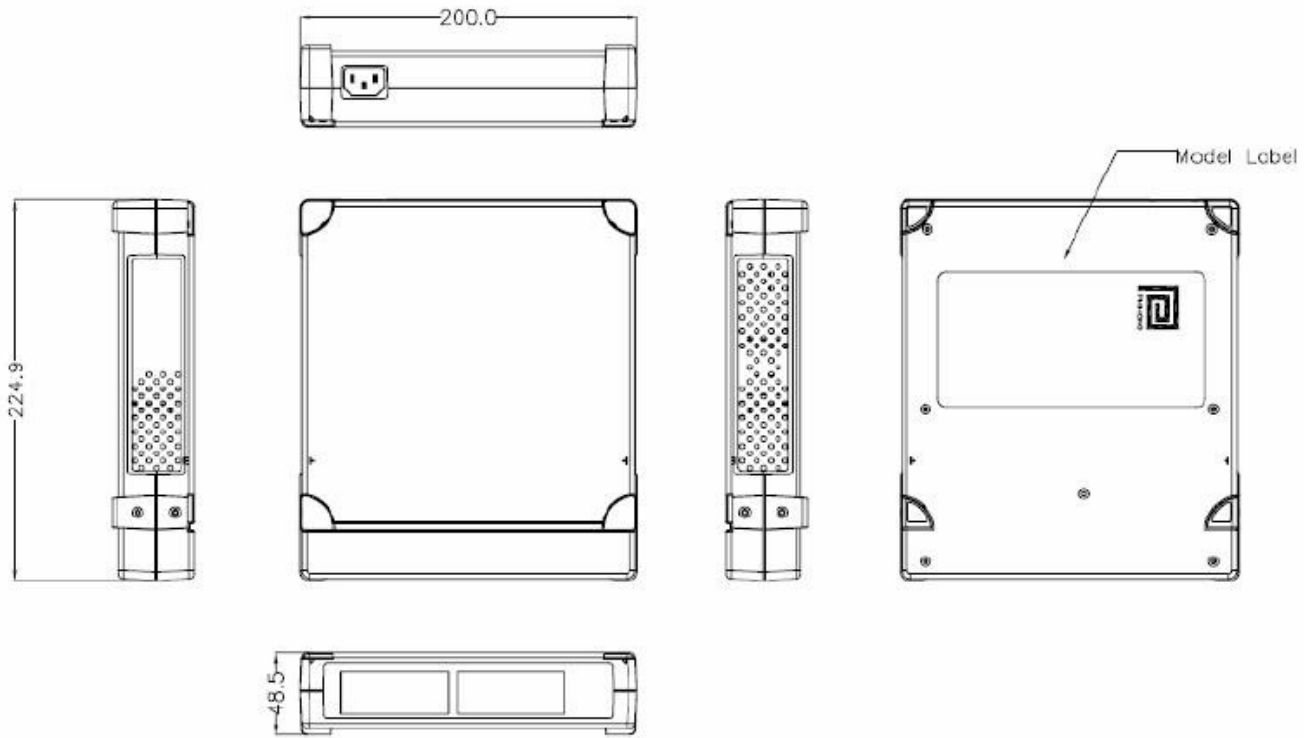
Yellow LED: Fault detected

Input Connector

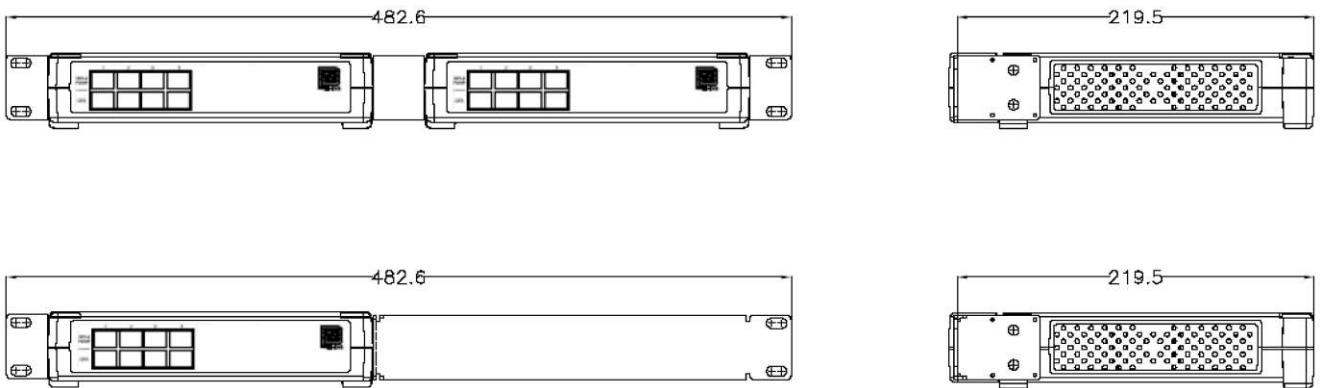
AC Input IEC320 C14

Notes:

1. The characteristics defined are at ambient temperature of 25°C unless otherwise specified
2. Efficiency is measured after 30 minutes burn-in



Façade Display Showing Optional Rack Mounting



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

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.