



## 24 Port IEEE802.3at/PoEPLUS Midspan POE806U for 10/100/1000 Base-T Networks



### Features

- Compliant with the IEEE802.3at Standard
- 2 finger classification
- SNMP Management Option
- Windows GUI
- May power Cisco AP1250 using the ACCY125X dongle
- 1-year warranty<sup>1</sup>
- Full Power of 576W—33.6W per Port, No Power Management required
- Full Protection OTP, OCP, OVP
- SSL available with SNMPv3
- 10/100/1000 Base-T Compatible
- 1U Rack Mountable (Kit Ships with Unit)

### Applications

- VoIP Phones
- Access Point
- 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	Number of Ports	Output Voltage	Load		Output Power	SNMP
			Min.	Max.		
POE806U-24AT-R	24	56V	10mA	600mA	806W Max	No
POE806U-24AT-N-R	24	56V	10mA	600mA	806W Max	Yes

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

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**INPUT:****Input Voltage Range**

90 to 264VAC

**Input Frequency**

47-63Hz

**Input Current**

12.0A (RMS) max for 90VAC

10.0A (RMS) max for 230VAC

**Leakage Current**

3.5mA max @ 264VAC 60Hz

**AC Inrush Current**

30A (RMS) max for 115VAC

60A (RMS) max for 230VAC

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

33.6W per port. Total Power 806W

**Ripple and Regulation**

100mV 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**

20 sec max at max load, 120VAC 60Hz,

**ENVIRONMENTAL:****Temperature**

Operation 0 to +40°C

Non-operation -25 to +65°C

Humidity 5 to 90%

**EMC**

Complies with FCC Class B

Complies with EN55032 Class B

**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

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

**Isolation**

Primary to Secondary: 10 OHM 500VDC

Primary to Field Ground: 10 OHM 500VDC

**FEATURES:****Cisco**

No extern parts required for Legacy devices:

VoIP Phones: 7910, 7912, 7940, 7960

Access Points: 1040, 1140, 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 “CONNECT”  
Flashing GREEN: IEEE802.3af detected  
“CONNECT” at 33.6  
Yellow LED: Fault detected

Windows GUI

NIC interface for remote management via  
secure IP access

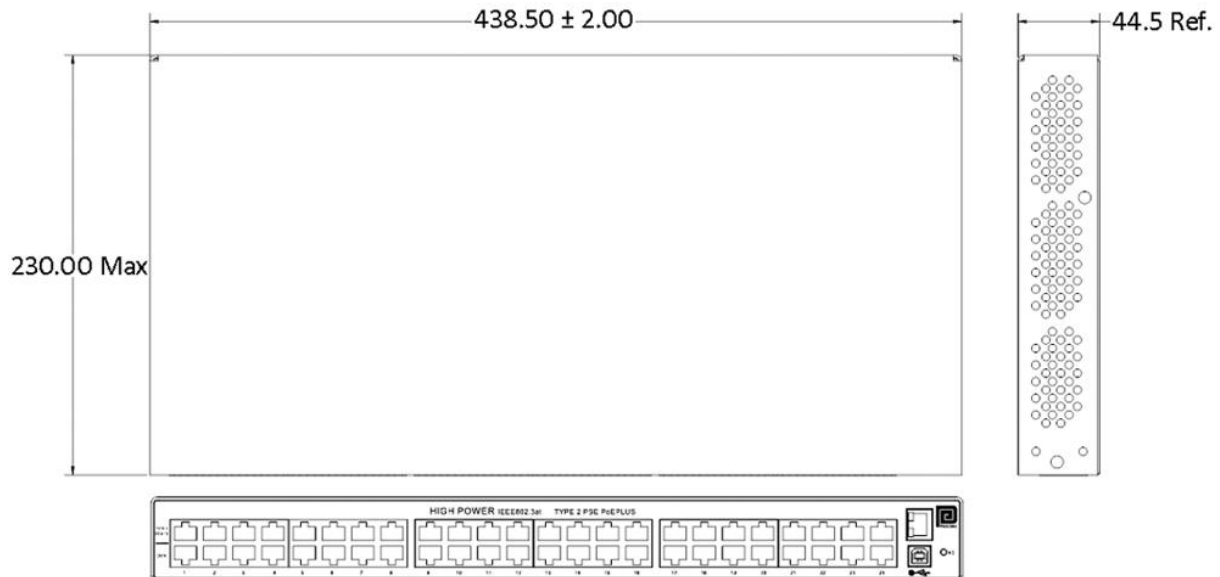
**Input Connector**

AC Input IEC320 C14

**USB Diagnostics Port and NIC Interface**

USB “B” port for diagnostics and manual  
port control

**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.