



## 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
- Limited Lifetime Warranty
- 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	24	56V	10mA	600mA	806W Max	No
POE806U-24AT-N	24	56V	10mA	600mA	806W Max	Yes

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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**

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

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**

