



## 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
- 10/100/1000 Base-T Compatible
- Full Power of 576W—33.6W per Port, No Power Management required
- Full Protection OTP, OCP, OVP
- 1U Rack Mountable (Kit Ships with Unit)
- SSL available with SNMPv3
- Limited Lifetime Warranty

### 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
			Min.	Max.	
POE806U-24AT(y)	24	56V	10mA	600mA	806W Max

Options: y= N to add SNMP

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**INPUT:**

**AC Input**

Voltage Range 90 to 264VAC

Input Frequency 47-63Hz

Input Current:

12.0A (RMS) maximum for 90VAC

10.0A (RMS) maximum for 230VAC

Leakage Current: 3.5mA maximum @ 264VAC 60Hz

AC Inrush Current:

30A (RMS) maximum for 115VAC

60A (RMS) maximum for 230VAC

**OUTPUT:**

**Total Output Power**

33.6W per port

Total Power 806W

**Ripple and Regulation**

100mV maximum

**Efficiency**

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

**Hold-up Time**

16mS min. 120VAC and maximum load

**Transient O/P Voltage Protection**

60V maximum at switch on and off at any AC line Phase

**Turn-On Delay Time**

20 sec maximum at maximum load, and 120VAC 60Hz, 60Hz

**ENVIRONMENTAL:**

**Temperature**

Operation 0 to +40°C

Non-operation -25 to +65°C

**Humidity**

Operation 5 to 90%

Non-Operation 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

**FEATURE:**

**Cisco Legacy detection**

No extern parts required for Legacy devices:

VoIP Phones:

7910,7912,7940,7960

Access Points:

350,1100,1200

**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

**USB Diagnostics Port and NIC Interface**

USB “B” port for diagnostics and manual port control  
Windows GUI

NIC interface for remote management via secure IP access

**Input Connector**

AC Input IEC320 C14

**Warranty**

Limited Lifetime

