



## 8 Port Gigabit Power Over Ethernet Midspan POE125 for 10/100/1000 Base-T Networks

**Preliminary**



### Features

- IEEE 802.3af Detection, Disconnect and overload Protection
- Low Cost
- 10/100/1000 base T Compatible
- Full Power of 125W--15.4W per Port
- No Power Management required
- Full Protection OTP, OCP, OVP
- Rack mount with optional kit

### Applications

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

### Safety Approvals

- cUL/UL
- CE

### Mechanical Characteristics

- Length: 228mm (8.9in)
- Width: 198mm (7.8in)
- Height: 44.5 mm (1.75in)
- Weight: 1.0Kg (2.5lbs)

### Output Specifications

#### Model

POE125U-8 (x)

#### Number of Ports

8

X= C for Cisco Legacy Option

**POE125 Characteristics****WWW.PHIHONG.COM****INPUT:****AC Input**

Voltage Range 90 to 264VAC

Input Frequency 47-63Hz

Input Current:

2.2A(RMS) max. for 90VAC

1A(RMS) max. for 240VAC

Leakage Current: 3.5mA max. @ 254VAC 60Hz

AC Inrush Current:

15A(RMS) max. for 115VAC

20A(RMS) max. for 230VAC

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

15.4W per port

**Ripple and Regulation**

Meets requirements of IEEE802.3af

**Efficiency**

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

**Hold-up Time**

20mS min. 120VAC and max. load

**Transient O/P Voltage Protection**

60V max. at switch on and off at any AC line Phase

**Turn-On Delay Time**

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

**ENVIRONMENTAL:****Temperature**

Operation 0 to +40°C

Non-operation -25 to +65°C

**Humidity**

Operation 5 to 90%

Non-Operation 5 to 90%

**EMC**

FCC Class B

EN55022 Class B

**Isolation Test**

Primary to Secondary: 3000VAC for 1 minute

Primary to Ground: 1500VAC for 1 minute

Secondary to Ground: 1500VAC 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

**IEEE 802.3af Interoperability**

UNH Interoperability report available on request

**FEATURE:****Cisco Legacy detection(Optional)**

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 802.3af specification

The output can be shorted permanently without damage

**Over Temperature Protection**

Shutdown automatically without damage

**Indicators**

Led #1 indicator for detection power "on" GREEN

Led #2 Indicator for fault -Yellow

**Input Connector**

AC Input IEC320 C14