

## Excellent Integrated System Limited

Stocking Distributor

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[Phihong USA](#)  
[POE806U-8MP-N](#)

For any questions, you can email us directly:

[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)

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## 8-Port 95W per Port Midspan Mega Power over Ethernet Midspan



### Features

- Proprietary Detection (12.5K), Disconnect and Overload Protection
- SNMP v2c Management
- Mega PoE 95W per Port
- Diagnostic LEDs
- 1U Rack Mounting Kit Ships with Unit
- Fully Compliant Detection, disconnect and Voltage Control per IEEE802.3at
- Gigabit Compatible
- Full Protection OCP, OVP
- Limited Power Source
- 1 Year Warranty

### Applications

- Wireless Access Points
- Computer Workstations
- Kiosks
- Security Systems
- IP Cameras
- Magnetic Locks

### Safety Approvals

- CE
- cUL/UL

### Mechanical Characteristics

- Length: 438mm (17.25in)
- Width: 228mm (8.98in)
- Height: 44.5mm (1.75in)
- 3.8Kg (8.5lbs)

### Output Specifications

Model <sup>(1)</sup>	DC Output Voltage	Load		Output Power per Port
		Min.	Max. <sup>(2)</sup>	
POE806U-8MP-N	56V	15mA	1.69A	95W

Note (1): Model without SNMP management available upon special request.

Note (2): Max load applies to compliant load at 12.5K detection. If operating at 25K "IEEE802.3at mode" max load is 0.6A

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## POE806U-8MPN Characteristics

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### INPUT:

#### AC Input Voltage Rating

100 to 240VAC

#### AC Input Voltage Range

90 to 264VAC

#### AC Input Current

15.0A (RMS) 90VAC at maximum load  
 10.0A (RMS) 230VAC at maximum load

#### AC Input Frequency

47 to 63Hz

#### Leakage Current

< 3.5mA maximum at 264VAC, 60Hz

#### Max In-Rush Current:

30A for 115VAC at maximum load  
 60A for 230VAC at Maximum load  
 (Cold Start at Ambient 25°C)

### OUTPUT:

#### Total Output Power

95W per port  
 760W Maximum Total Power

#### Ripple (P-P)

250mV 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 (for PoE detection)

20 sec maximum at maximum load, 120VAC 60Hz

### ENVIRONMENTAL

#### Temperature

Operation	0 to +40C
Non-Operation	-25 to +65C

#### 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
EFP:	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

### IEEE802.3af/at Interoperability

If 25K Ohm is detected then the unit operates in "IEEE802.3at mode" 33.6W 2 pair powering. 12.5K detection resistance required for full power 95W/port.

### Over-Voltage/Current, Short Circuit Protection

Outputs equipped with short circuit protection and overload protection as per 802.3af specification except at maximum average current is 1.69A  
 The output can be shorted permanently without damage

### Over Temperature Protection

Automatic shutdown without damage

### Indicators

Solid Green LED: Power detected "ON"  
 Flashing Green: IEEE802.3at or (af) detected  
 Yellow LED: Fault detected

### SNMPv2c management port Interface

NIC interface for remote management via secure IP access

### Input Connector (Standard Model)

AC Input IEC320 C14

### Output Connection

4-pair powering for full power  
 Pins 3,6, 4,5(+) Pins 1,2, 7,8 (-)

2-pair powering for IEEE802.3at mode

Pins 3,6(+) Pins 1,2 (-)

### Warranty

1 Year

**POE806U-8MPN Dimension Diagram Unit: mm**

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