



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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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 ⁽¹⁾	DC Output Voltage	Load		Output Power per Port
		Min.	Max. ⁽²⁾	
POE806U-8MP-N-R	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

Phihong is not responsible for any error, and reserves the right to make changes without notice. Please visit our website at www.phihong.com for the most up-to-date specifications and contact information.

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

