



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



### Features

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

### Applications

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

### Safety Approvals

- cUL/UL
- CE

### Mechanical Characteristics

- Length: 438mm (17.25in)
- Height: 44.5mm (1.75in)
- Width: 228mm (8.98in)
- Weight: 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

Reference files:

1. [SNMPv2c\\_User\\_Manual-Rev1.7.pdf](#)
2. [Multiport\\_Midspan\\_Installation\\_Manual.pdf](#)
3. [SNMPv2c\\_Firmware-Rev1.7.zip](#)
4. [SNMPv2c\\_MIB\\_10\\_30\\_2009.zip](#)

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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 max load

10.0A (RMS) 230VAC at max load

**AC Input Frequency**

47 to 63Hz

**Leakage Current**

&lt; 3.5mA max at 264VAC, 60Hz

**Max In-Rush Current:**

30A for 115VAC at max load

60A for 230VAC at max load

(Cold Start at Ambient 25°C)

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

95W per port

760W max Total Power

**Ripple (P-P)**

250mV 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 (for PoE detection)**

20 sec max at max load, 120VAC 60Hz

**ENVIRONMENTAL:****Temperature**

Operation 0 to +40C

Non-Operation 25 to +65C

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

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

**FEATURES:****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 (-)

**Dimension Diagram Unit:mm**

