



## 8-Port 75W per Port Midspan POE576U-8UPN for 10/100/1000 Base-T Networks



Part of the University of New Hampshire Research Computing Center



### Features

- Proprietary Detection, Disconnect and Overload Protection
- Limited Power Source
- Gigabit Compatible
- 1U Rack Mounting Kit Ships with Unit
- Full Power of 576W--72W per Port
- SNMPv2c Management
- Full Protection OTP, OCP, OVP
- Ultra PoE at 75W per port
- 1 Year Warranty

### Applications

- Wireless Access Points
- Computer Workstations
- 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 <sup>(1)</sup>	DC Output Voltage	Load		Output Power per Port
		Min.	Max. <sup>(2)</sup>	
POE576U-8UP-N-R	56V	15mA	1.29A	72W

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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**INPUT:****Input Voltage Rating**

100 to 240VAC

**Input Voltage Range**

90 to 264VAC

**AC Input Current**9.0A (RMS) 90VAC at maximum load  
4.25A (RMS) 230VAC at maximum load**AC Input Frequency**

47 to 63Hz

**Leakage Current**

3.5mA maximum at 264VAC and 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**

72W per port

576W Maximum Total Power

**Ripple and Regulation**

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**

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
EPP:	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 detect the unit operates in "IEEE802.3at mode" 33.6W 2 pair powering. 12.5K detection resistance required for full power.

**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 802.3af specification except at maximum average current is 1.29A

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**

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

