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[Phihong USA](#)
[POE576U-8UP-N](#)

For any questions, you can email us directly:

sales@integrated-circuit.com

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



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 ⁽¹⁾	DC Output Voltage	Load		Output Power per Port
		Min.	Max. ⁽²⁾	
POE576U-8UP-N	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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POE576-8UPN Characteristics

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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
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 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

POE576U-8UPN Dimension Diagram

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