8/16 Port High Power 36W per Port POE Midspan POE576U for 10/100/1000 Base-T Networks

Preliminary

InterOperability Laboratory
Part of the University of New Hampshire Research Computing Center

Features

- IEEE 802.3at Prestandard
- Full Power of 576W—36W per Port No Power Management required
- SNMP Option
- Full Protection OTP, OCP, OVP
- 10/100/1000 base T Compatible
- Operates with IEEE802.3af devices

Applications

- VoIP Phones
- Security Systems
- Access Point
- IP Cameras

Safety Approvals

- cUL/UL
- CE

Mechanical Characteristics

- Length: 438mm (17.25in)
- Height: 44.5 mm (1.75in)
- Width: 228mm (8.98in)
- Weight: 1.0Kg (2.5lbs)

Output Specifications

Model	Number of Ports
POE576U-16HP(y)	16
POE576U-8HP (y)	8

Options: y= N to add SNMP

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INPUT:
AC Input
Voltage Range 90 to 264VAC

Input Frequency 47-63Hz

Input Current:
8A(RMS) max. for 90VAC
4A(RMS) max. for 240VAC

Leakage Current: 3.5mA max. @ 254VAC 60Hz

AC Inrush Current:
15A(RMS) max. for 115VAC
20A(RMS) max. for 230VAC

OUTPUT:
Total Output Power
30W per port

Ripple and Regulation
Meets requirements of IEEE802.3af

Efficiency
75% (typical) at Max. load, and 120VAC 60Hz

Hold-up Time
20mS min. 120VAC and max. load

Transient O/P Voltage Protection
60V max. at switch on and off at any AC line Phase

Turn-On Delay Time
3 sec max. at max. load, and 120VAC 60Hz, 25Hz

ENVIRONMENTAL:
Temperature
Operation	0 to +40°C
Non-operation	-25 to +65°C

Humidity
Operation	5 to 90%
Non-Operation	5 to 90%

EMC
FCC Class B
EN55022 Class B

Isolation Test
Primary to Secondary: 3000VAC for 1 minute
Primary to Ground: 1500VAC for 1 minute
Secondary to Ground: 1500VAC for 1 minute

Immunity EN50082-1
ESD:	EN61000-4-2. Level 3
RS:	EN61000-4-3. Level 2
EFT:	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

IEEE 802.3af Interoperability
UNH Interoperability report available on request

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
The output can be shorted permanently without damage

Over Temperature Protection
Shutdown automatically without damage

Indicators
Led #1 indicator for detection power "on" GREEN
Led #2 Indicator for fault -Yellow

USB Diagnostics Port and NIC Interface
USB "B" port for diagnostics and manual port control
Windows GUI
NIC interface for remote management via secure IP access

Input Connector
AC Input IEC320 C14
DC Input Molex 39-30-0060