PHIHONG

8/16 Port IEEE802.3at/PoEPLUS Midspans PoE576U for 10/100/1000 Base-T Networks

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

CE c(UL)us

Features

- Compliant with the IEEE802.3at Standard
- 2 finger classification
- SNMP Management Option
- Optional SSL with SNMPv3
- Windows GUI
- May power Cisco AP1250 with ACCY125X dongle
- Full Power of 576W—30W per Port, No Power Management required
- Full Protection OTP, OCP, OVP
- 1U Rack Mountable (Mounting Kit Ships with Unit)
- Limited Lifetime Warranty
- 10/100/1000 Base-T Compatible

Applications

- VoIP Phones
- Access Point
- 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	Number of Ports
POE576U-16AT(y)	16
POE576U-8AT (y)	8

Options: y= N to add SNMP

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POE576U Characteristics

INPUT:
AC Input
Voltage Range 90 to 264VAC

Input Frequency 47-63Hz

Input Current:
9A (RMS) maximum for 90VAC
4.5A (RMS) maximum for 230VAC

Leakage Current: 3.5mA maximum @ 264VAC 60Hz

AC Inrush Current:
30A (RMS) maximum for 115VAC
60A (RMS) maximum for 230VAC

OUTPUT:
Total Output Power
33.6W per port
Total Power 269W (8 ports) -538W (16 ports)

Ripple and Regulation
100mV 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, and 120VAC 60Hz, 60Hz

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

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
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 802.3at 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:
        1040, 1140, 1260, 3500

Over Voltage/Current, Short Circuit Protection
Outputs equipped with short circuit protection and overload protection as per 802.3at specifications
The output can be shorted permanently without damage

Over Temperature Protection
Automatic Shutdown without damage

Indicators
Green LED: Power detected "CONNECT"
Flashing GREEN: IEEE802.3af detected "CONNECT" at 15.4W
Yellow LED: Fault detected

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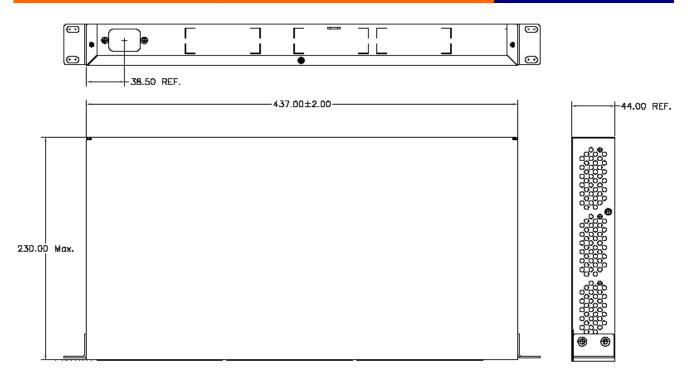NIC interface for remote management via secure IP access

Input Connector
AC Input IEC320 C14

Warranty
Limited Lifetime

POE576U-AT Dimension Diagram