



75W Power over Ethernet Adapter Ultra Power over Ethernet Single Port Injector



Features

- Diagnostic LEDs
- Full Protection OCP, OVP
- 1 Year Warranty
- 25K only on Data Pairs 3,6,1,2 for Detection for Full Power
- Not IEEE BT Compliant
- Gigabit Compatible
- Broken Wire Detection
- Class 4 Operation
- Single Source 4 Pair Power Current Sharing

Applications

- Satellite Receiver
- Wireless Network Access Points
- LCD Displays
- Security Cameras
- Kiosks
- Computer Workstations

Safety Approvals

- cUL/UL
- CE

Mechanical Characteristics

- Length: 166mm (6.53in)
- Width: 80mm (3.15in)
- Height: 44mm (1.73in)
- Weight: 0.5Kg

Output Specifications

Model	DC Output Voltage	Load		Regulation	
		Min.	Max. ¹	Line	Load
POE75U-1UP(PD) ²	56V	0A	0.67A	54-57V DC under all conditions	

Notes

1. Load per output. Output on spare pairs and data pairs is 0.67A for a combined output current of 1.34A.
2. Consult factory for availability

Reference files:

1. [SNMPv2c_User_Manual-Rev1.7.pdf](#)
2. [SNMPv2c_Firmware-Rev1.7.zip](#)
3. [SNMPv2c_MIB_10_30_2009.zip](#)

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INPUT:**AC Input Voltage Range**

90 to 264VAC

AC Input Voltage Rating

100 to 240VAC, 47-63Hz

AC Input Current

2.0A (RMS) max for 90VAC

1.2A (RMS) max for 240VAC

Leakage Current

3.5mA max @ 254VAC 60Hz

AC Inrush Current

30A (RMS) max for 115VAC

60A (RMS) max for 230VAC

OUTPUT:**Total Output Power**

75W

Ripple and Regulation

250mV max

DC Offset

No data degradation with DC imbalance

18mA per min.

Efficiency

80% (typical) at max load, 120VAC 60Hz

Hold-up Time

10mS min. 120VAC and max load

Transient O/P Voltage Protection

60V max

ENVIRONMENTAL:**Temperature**

Operation -20 to +40°C

Non-operation -25 to +65°C

Humidity 5 to 90%

EMC

Complies with FCC Class B

Complies with EN55032 Class B

Isolation Test

Primary to Secondary: 4242VDC for 1 min10mA

Primary to Field Ground: 2121VDC for 1 min

Output to Field Ground: 2121VDC

Immunity

ESD: EN61000-4-2. Level 3

RS: EN61000-4-3. Level 3

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

Insulation Resistance

Primary to Secondary: >10M OHM

500VDC

Primary to Field Ground: >10M OHM

500VDC

Detection

Requires 25K detection on data pairs 3,6(+)

1,2(-) for full power 75W

FEATURES:**Over Voltage/Current, Short Circuit Protection**

The output can be shorted permanently without damage.

Indicators

Green LED 1: DC Power “OK”

Red LED: Fault detected

Green LED 2: Power detected “CONNECT” at 75W

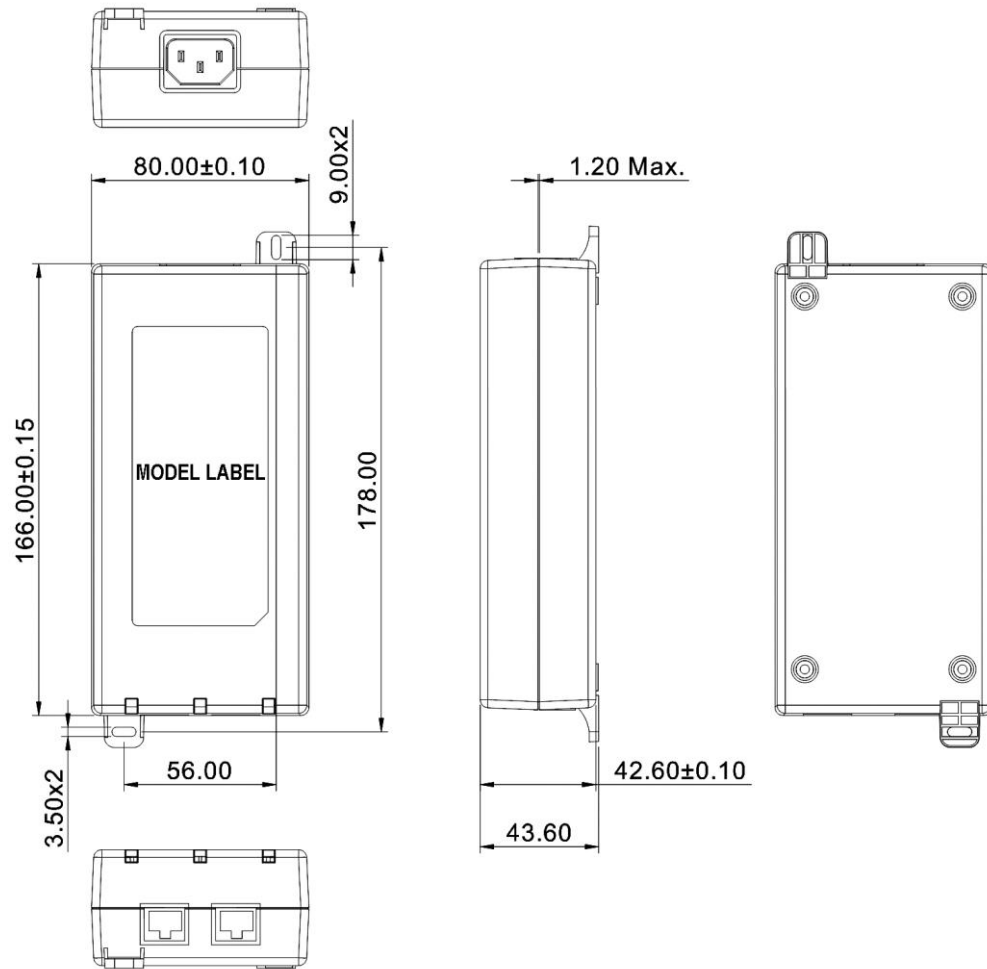
POE75U-1UP-PD Characteristics

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Input Connector
IEC320 inlet 3 pin

Output Connection
4-pair powering
Pins 3,6, 4,5(+) Pins 1,2, 7,8 (-)

POE75U Design Dimensions (mm)



Supplier's Declaration of Conformity
47 CFR § 2.1077 Compliance Information

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NOTE: This model has/The models in this products series have been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications to equipment not expressly approved by PHIHONG could void the user's authority to operate the equipment.