



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 min 10mA

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 ResistancePrimary to Secondary: >10M OHM
500VDCPrimary 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

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)

