45W DC-DC Power over Ethernet Splitter
POE45 Gigabit IEEE802.3at Compliant Splitter

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Part of the University of New Hampshire Research Computing Center

C E

Features

- IEEE802.3at Pre-standard
- Non-Vented Case
- Gigabit Compatible
- Designed to work with the POE60U and POE75U Single Port Injectors
- Proprietary Detection, Disconnect and Overload Protection
- Full Protection OCP, OVP
- Diagnostic LEDs

Applications

- WiMax Access Points
- Last Mile Wireless
- Computer Workstations
- Multi Radio Access Points

Safety Approvals

- CE

Mechanical Characteristics

- Length: 163.75mm (6.45in)
- Width: 85mm (3.35in)
- Height: 36mm (1.42in)
- Weight: 0.2Kg (7.05ozs)

Output Specifications

Model	DC Output Voltage	Load
POE45-120	12V	3.75A

INPUT:
Input Voltage Range
Operates with POE60U-560G or POE75U-1UP
47-57V DC

Input Current
1.3A (RMS) maximum

OUPPUT:
Regulation
Line and Load ±2%

Ripple
120mV maximum at 25°C

Efficiency
83% minimum at full load and 48V DC

O/P Voltage Protection
In case of output voltage overload, output will
shutdown, and then auto restart
Output can be shorted permanently without damage

ENVIRONMENTAL
Temperature
Operation   0 to +40°C
Non-operation   -20 to +65°C

Humidity
Operation   5 to 90%

Immunity
ESD: EN61000-4-2   Level 3
RS: EN61000-4-3   Level 2

Note: RS and CS tested with POE60U

EMC
EN55022 Class A
FCC Part 15, Class A

Dielectric Withstand (HI-POT) Test
Primary to secondary: 2121V DC for 1 minute, 10mA

Indicators
LED 1 – Output "ON"
LED 2 – Power received via Data
LED 3 – Power received via Spare Pair

Insulation Resistance
Primary to secondary: >10M Ohm 500V DC

Input and Output Data Connector
RJ45

Output Connector
Center Positive Barrel 12mm x 2.1mm x 5.5mm
Tip is user changeable for other

Dimension Diagram Unit: mm