



90W Power over Ethernet Splitter POE90D-560SS IEEE BT PoE Gigabit Splitter



Designed to work with
POE90U-1BT Single port



Features

- Detection, Disconnect and Overload Protection per IEEE802.3bt
- Gigabit Compatible
- Non-Vented Case
- Designed to Work with POE90U-1BT Single Port Injector
- Diagnostic LED – DC good
- 1 Year Warranty

Applications

- WiMAX Access Point
- Last Mile Wireless
- Computer Workstation
- Multi Radio Access Points

Safety Approvals

- CE

Mechanical Characteristics

- Length: 100mm (3.94in)
- Width: 56mm (2.25in)
- Height: 27.9mm (1.09in)
- Weight: 142g (5.0oz)

Output Specifications

| Model | DC Output Voltage | Output Current |
|----------------|---|----------------|
| POE90D-560SS-R | 44-57V when powered by <i>POE90U-1BT with worse case cable drops</i> | 1.6A |

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INPUT:

Input Voltage Range

Receives power from both data and spare pairs as per IEEE BT standard single signature PD. 52 to 57Vdc

Input Current

1.6A (DC) max.

OUTPUT:

Regulation

Unregulated

Power

90W for 52-57VDC input range
85W for 50VDC input range

Efficiency

96% (typical) at maximum load 56Vinput

Short Circuit Protection

Output can be shorted permanently without damage

ENVIRONMENTAL:

Temperature

| | |
|---------------|--------------|
| Operation | 0 to +40°C |
| Non-operation | -20 to +65°C |
| Humidity | 5 to 90% |

Immunity

| | |
|------|----------------------|
| ESD: | EN61000-4-2. Level 3 |
| RS: | EN61000-4-3. Level 2 |
| CS: | EN61000-4-6. Level 2 |

EMC when powered by POE90U-1BT

Complies with FCC Class B
Complies with EN55032 Class B

Isolation Test

The splitter output is non-isolated from incoming PoE voltages

Indicators

GREEN LED – Output Good

Cable

Designed to operate up to 100 meters per IEEE 802.3, CAT 5e or CAT6

Input and Output Data Connector

RJ45

Output Connector

Center Positive Barrel 9mm x 2.5mm ID x 5.5mm OD. Tip is user changeable for other sizes



Dimension Diagram Unit: mm

