



## 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	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**

