

# POE90U1BT Series Adapter

## 90 WATT POWER OVER ETHERNET SINGLE PORT INJECTOR

### Product Features

- Three Models Available:
  - POE90U1BT, POE90U1BT-EUK, and POE90U1BT-US
- 90 Watts of High PoE Power
- IEEE802.3BT Compliant
- Diagnostic LEDs
- Broken Wire Detection
- Proprietary Detection, Disconnect, and Overload
- Full Protection
  - Overcurrent Protection (OCP)
  - Overvoltage Protection (OVP)

The **POE90U1BT Series** Power over Ethernet (PoE) single port power injector is designed to meet the demanding data rate and power requirements of cameras with high-quality streaming video capabilities. The injector offers total output power of 90 W, which meets the IEEE802.3BT standards for detection, connection, disconnection, and fault protection.

The **POE90U1BT Series** power injector is compatible with 10/100/1000Base-T systems. AC input voltage range is 100 to 240 VAC $\pm$  10% which is 90 to 264 VAC with input frequency from 47 to 63 Hz. Maximum output load current is 1.6 A at 56 VDC.



# TECHNICAL SPECIFICATIONS

## MODEL

Model	Description	Power Cord
POE90U1BT*	90 watt, single-port PoE injector	No power cord
POE90U1BT-US	90 watt, single-port PoE injector	US power cord
POE90U1BT-EUK	90 watt, single-port PoE injector	EU and UK power cord

\* A power cord is required for operation, but is not provided/shipped with this model.

## ELECTRICAL


Input Voltage Rating	100 to 240 VAC
AC Input Current	2.5 A (RMS) maximum for 90 VAC; 1.2 A (RMS) maximum for 240 VAC
Leakage Current	3.5 mA maximum at 264 VAC 50 Hz
AC Input Frequency	47 to 63 Hz
AC Inrush Current	50 A (RMS) maximum for 115 VAC; 75 A (RMS) maximum for 230 VAC
Total Output Power	90 W
Ripple and Regulation	300 mV maximum
Efficiency	75% (typical) at maximum load; 120 VAC, 60 Hz
Hold-up Time	10 milliseconds minimum; 120 VAC 60 Hz maximum load
Over Voltage/Current, Short Circuit Protection	The output can be shorted permanently without damage
Input Connectors	IEC320 inlet 3-pin
Output Connection	+pins 3, 6, 4, 5/-pins 1, 2, 7, 8

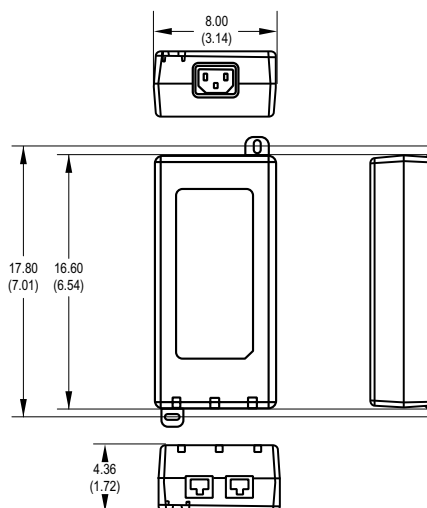
## ENVIRONMENTAL

Operating Temperature	-20° to 40°C (-4° to 104°F)
Storage Temperature	-25° to 65°C (-13° to 149°F)
Humidity	5% to 90%

## CERTIFICATIONS

- CE, Class B
- FCC Part 15, Class B
- EN55022/EN55032, Class B
- UL/cUL Listed

 VALUES IN PARENTHESES ARE INCHES; ALL OTHERS ARE CENTIMETERS.



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