

# POA-100B

## Single Port 802.3at PoE Power Source Injector, 10/100Mbps LAN

- Power over Ethernet injector conforms to IEEE802.3at
- Backward compatible to IEEE802.3af
- Automatic detection and protection of non-standard Ethernet terminals



### OVERVIEW

Lantech POA-100B is a single port PoE solution for remote PoE PD devices. The low power PoE power source (PSE) injector delivers 48VDC power to PoE-devices (PD), such as wireless AP router, IP CAM, VoIP phone etc through Ethernet UTP/STP cable. It can drive the power distance up to 100 meters with maximum power output up to 30W and prevent from burn down any non-PoE devices.

Generating up to 30W, POA-100B complies with IEEE 802.3at PoE standard and backward compatible to IEEE802.3af. It protects low power devices to receive only the power they need.

The unique parallel slide-in design also makes the installation easier.

### FEATURES & BENEFITS

- Up to 30W of PoE Power Feeding on 2-pairs
- IEEE 802.3at compatible
- Backward compatible to IEEE802.3af
- Protects low power devices to receive only the power they need
- Supports 10/100TX LAN environment
- Automatic detection and protection of non-standard Ethernet terminals
- Parallel slide-in design to ease the installation

### SPECIFICATION

No. of PoE Ports	1	Indicators	System Indicator: AC Power (Green) User Indicator: Channel Power
Pass Through Data Rates	10/100 Mbps	Connectors	Shielded RJ-45, EIA 568A and 568B
Pin Assignment and Polarity	1/2(+),3/6(-)	Operating Ambient Temperature	-10 to 45°C
Output Power Voltage	52 VDC	Regulatory	IEEE 802.3at/af, RoHS Compliant, CE
User Port Power	Up to 30 W	Safety Approvals	EN 60950:2006
AC Input Voltage	100-240 VAC	MTBF	8,760 hours @ 25°C
AC Input Current	0.8A @ 100-240 VAC	Thermal Rating	27 BTU/Hr (@240VAC)
AC Frequency	50 to 60 Hz	Warranty	2 years
Dimensions	145 mm x 60 mm x 40 mm		
Weight	350g		

### ORDERING INFORMATION

- **POA-100B.....P/N: 8450-353**  
Single Port PoE Power Source Injector, IEEE 802.3at/af, 10/100Mbps LAN

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