POS-100

Adjustable output Power Over Ethernet Splitter

- *Short circuit protection*
- *IEEE802.3af compliance*
- *Plug-and-Play*

OVERVIEW

Lantech POS-100 is the most comprehensive splitter compliant with IEEE 802.3af PoE standard in the market. It's well-cover output voltage 5V, 7.5V, 9V, 12V range can connect with 95% of market PDs (Power Device) including Wireless AP, Camera, VOIP phone etc. Lantech POS-100 also encloses Φ2.0 & Φ2.5 DC jack cables to suit with most PDs power diameter.

Lantech POS-100 splits data and power signal over same Ethernet UTP cable and transfer input 48V (PoE standard) to 4 kinds voltages to meet with each PD needs. The inside PoE chip can correspond to PoE impedance signal sent by PoE injector or PSE (Power Source) to handshake with PoE standard first and then to deliver 48V power to drive PD, in which it prevents the risk of burning down the PD.

Lantech POS-100's light-weight and wall-mount design can easily go with any PD's installation. Lantech POA-100A injector is the best kit for POS-100 for PoE solution.

FEATURES & BENEFITS

- **5v, 7.5v, 9v, 12v output adjustable**
- **Short circuit protection**
- **Delivering power and data to equipment**
- **For Wireless AP, Bluetooth AP, IP Camera, IP Telephones, remote power feeding application**
- **IEEE802.3af compliance**
- **Plug-and-Play**
- **Light weight and compact size**
- **Regulate output voltage by switch**
- **Encloses Φ2.0 & Φ2.5 DC jack cables**

SPECIFICATION

Hardware Specification

Standard	IEEE802.3 10BASE-T IEEE802.3u 100BASE-TX IEEE802.3af Power over Ethernet
Connector	Data and power in: 1 x RJ-45.Data pin 1,2,3,6 Power pin: 4,5(V+), 7,8(V-) and 1,2(V+), 3,6(V-) Data out: 1 x RJ-45, Data pin 1,2,3,6 Power out jack: 5V, 7.5V, 9V, 12V (Adjustable)/ Maximum feeding current: 2.4A@5V
Power plug diameter	2 power cable with straight plug and a right angle plug Plug dimension: 5.5 x Φ2.0mm, 5.5 x Φ2.5mm
Network cable	10BASE-T: 2-pair UTP/STP Cat.3, 4,5 cable EIA/TIA-568 100-ohm (100m) 100BASE-TX: 2-pair UTP/STP Cat.5 cable

	EIA/TIA-568 100-ohm (100m)
Power input	DC 48V
Adjust Switch	4 Segment DIP switch for output voltage select.
LED	System: power (green)
Operating Environment	0˚C~ 40˚C , 90% Humidity (non-condensing)
Dimension	80mm x 55mm x 26mm (L x W x H)
EMI	FCC Class B, CE
Safety	UL, cUL, CE/EN60950
Warranty	2 years

*Future Release
**Optional

ORDERING INFOMATION

- **POS-100…………...…….….......P/N: 8450-210**
  Adjustable POE Splitter with two power cables