

**POEINJ100**  
**POESPLT100**

**Instruction Manual**

# **Power over Ethernet**

**10/100 POE Power over Ethernet  
Injector - 48V**

**10/100 POE Power over Ethernet  
Splitter - 5V/12V**

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## **FCC Compliance Statement**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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## Introduction

The POEINJ100 10/100 Mbps device converts standard 90-260V AC power into low-voltage DC power that can run over existing Cat5 or higher network cable to power IEEE 802.3af/at compliant network devices, or the POESPLT100 PoE Splitter.

The POESPLT100 splitter device separates the data and power connections received from the Injector device and offers a selectable 5, 7.5, 9 or 12V output switch allowing you to customize the power output to suit your requirements. Taking advantage of PoE technology lets you expand your technology infrastructure without the hassle or expense of running new electrical wiring.

## Packaging Contents

POEINJ100	POESPLT100
1 x PoE injector	1 x PoE splitter
1 x Power Adapter	1 x Power Output cable
1 x Instruction Manual	1 x Instruction Manual

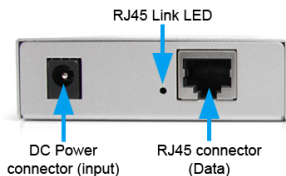
## System Requirements

- RJ45 terminated Cat5 or higher Ethernet cabling
- 10/100 Mbps compatible Ethernet network
- Available AC power outlet for the POEINJ100 unit

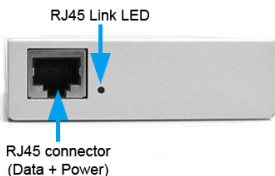


## Side View - POEINJ100

### Input Side

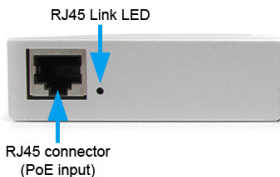


### Output Side

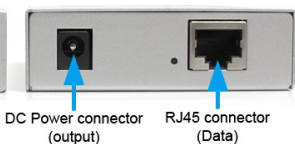


## Side View - POESPLT100

### Input Side



### Output Side



# Installation

## POEINJ100

This should be the side that does not require Power over Ethernet.

1. Connect the Ethernet cable from the source network device (i.e. computer, router, switch, etc) to the “Data (In)” RJ45 connector on the input side of the POEINJ100 unit.
2. Connect the included power adapter to the POEINJ100 unit.
3. Connect an RJ45 terminated Ethernet cable to the “Power + Data (Out)” connector on the output side of the POEINJ100 unit. The other end of the cable will either connect directly to a PoE compliant device, or to the POESPLT100 in order to separate data and power again.

## POESPLT100

1. Connect the Ethernet cable from the POEINJ100 unit to the “Data + Power (In)” RJ45 connector on the input side of the POESPLT100 unit.
2. Set the slide switch on the side of the unit to the desired voltage output (5V, 7.5V, 9V, 12V).
3. Connect an RJ45 terminated Ethernet cable from the “Data (Out)” connector on the output side of the POESPLT100 to the network device (i.e. computer, router, switch, etc).
4. Connect the included Power Output Cable from the “Output Power” connector on the output side of the POESPLT100 unit to the DC power connector on the network device.

## Specifications

	<b>POEINJ100</b>
<b>Compliant Standards</b>	IEEE 802.3af IEEE 802.3at IEEE 802.3 IEEE 802.3u
<b>Connectors</b>	2 x RJ45 Ethernet female 1 x DC Power type N
<b>LEDs</b>	2 x RJ45 Link
<b>PoE Output</b>	48VDC, 30W
<b>Link Speeds</b>	10/100 Mbps
<b>Maximum Cable Length</b>	100 m / 330 ft
<b>Power Adapter</b>	48VDC, 880mA, type N plug
<b>Operating Temperature</b>	0°C ~ 40°C (32°F ~ 104°F)
<b>Storage Temperature</b>	-20°C ~ 85°C (-4°F ~ 185°F)
<b>Humidity</b>	10% ~ 90% RH
<b>Dimension (LxWxH)</b>	102.0mm x 75.0mm x 23.0mm
<b>Weight</b>	490 g

	<b>POESPLT100</b>
<b>Compliant Standards</b>	IEEE 802.3af IEEE 802.3at IEEE 802.3 IEEE 802.3u
<b>Connectors</b>	2 x RJ45 Ethernet female 1 x DC Power type N
<b>LEDs</b>	1 x RJ45 Link
<b>PoE Input</b>	48VDC, 30W
<b>Power Output</b>	5 / 7.5 / 9 / 12V DC, up to 19.2W peak
<b>Link Speeds</b>	10/100 Mbps
<b>Operating Temperature</b>	0°C ~ 45°C (32°F ~ 113°F)
<b>Storage Temperature</b>	-20°C ~ 90°C (-4°F ~ 194°F)
<b>Humidity</b>	10% ~ 90% RH
<b>Dimension (LxWxH)</b>	102.0mm x 75.0mm x 23.0mm
<b>Weight</b>	240 g



## Technical Support

StarTech.com's lifetime technical support is an integral part of our commitment to provide industry-leading solutions. If you ever need help with your product, visit [www.startech.com/support](http://www.startech.com/support) and access our comprehensive selection of online tools, documentation, and downloads.

## Warranty Information

This product is backed by a one year warranty.

In addition, StarTech.com warrants its products against defects in materials and workmanship for the periods noted, following the initial date of purchase. During this period, the products may be returned for repair, or replacement with equivalent products at our discretion. The warranty covers parts and labor costs only. StarTech.com does not warrant its products from defects or damages arising from misuse, abuse, alteration, or normal wear and tear.

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