



Perle PINJ130

Gigabit PoE/PoE+ Injector



Installation Guide

P/N 5500348-10 (Rev F)

Introduction

The Perle PoE/PoE+ Injector is used to provide DC voltage to the downstream device, such as a Wireless Access Point or IP Phone when connected to a non-PoE upstream switch port. The PoE/PoE+ Injector has two Ethernet ports. One port connects to the non-PoE upstream device, such as a router or switch. The other port is a power sourcing port that connects to the downstream device that is PoE/PoE+ capable.

<http://www.perle.com/>

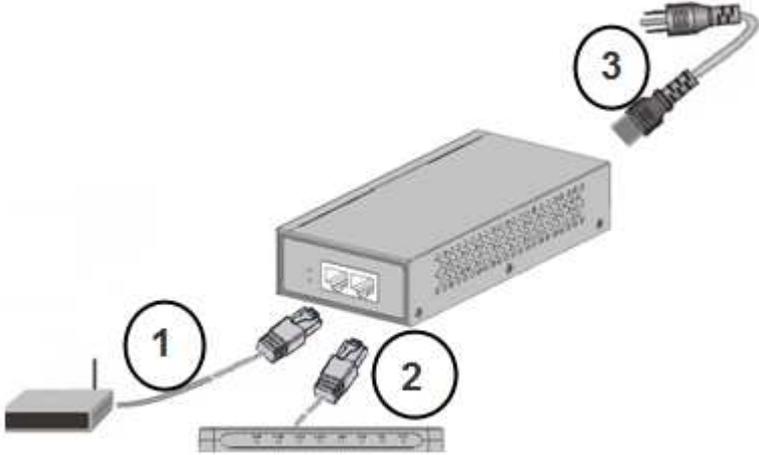
Features

- Complies with IEEE802.3at and IEEE 802.3af
- 1-port 10/100/1000Mbps (Data) for connection to passive LAN device
- 1-port 10/100/1000 Mbps (Power/Data) for connection to PoE /PoE+ device
- Automatically detects if the connected device is PoE-enabled to avoid sending power to a non-PoE device
- Adds PoE/PoE+ capability to a non-PoE Ethernet switch or router
- PoE status LED
- Rugged metal case
- Wall/panel mounting (screws not included)

Package Contents

- One PINJ130 (PoE/PoE+) Injector
- One country specific power cord
- This guide

Connecting the PINJ130 Injector



1. The PoE/Data port sends power and Ethernet data to your PoE-enabled device. Use a CAT 5e cable or better (see cabling requirements) to connect the PoE/Data port to your PoE-enabled device.
2. The Data port doesn't deliver power. Use an Ethernet cable to connect to the injector's Data port to the LAN of an Ethernet device, such as an Ethernet switch.
3. Use the included power cord to connect the injector's power socket to a power source.

LED Status (Green)

PWR– Power

On solid: Power present

Off: No Power present

PoE/Data (Green LED)

On solid : The PoE port is providing power

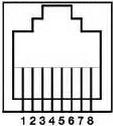
Off: The PoE port is not providing power

Ethernet Copper Cabling Requirements

- Category 5e or better (UTP or STP)
- 24-22 AWG
- Straight through or Ethernet crossover cable

Connect the copper cable from the Data port to an Ethernet switch. See below for pinouts.

8-pin RJ-45



MDI Port Pinouts

Pin	Signal
1	Tx+
2	Tx-
3	Rx+
6	Rx-

MDI-X Port Pinouts

Pin	Signal
1	Rx+
2	Rx-
3	Tx+
6	Tx-

Remaining pins not used.

Cautions



Ensure that the voltage and current ratings of the intended power source are appropriate for the Perle Injector as indicated on the product label.



Ensure that the installation and electrical wiring of the equipment is performed by trained and qualified personnel and that the installation complies with all local and national electrical codes

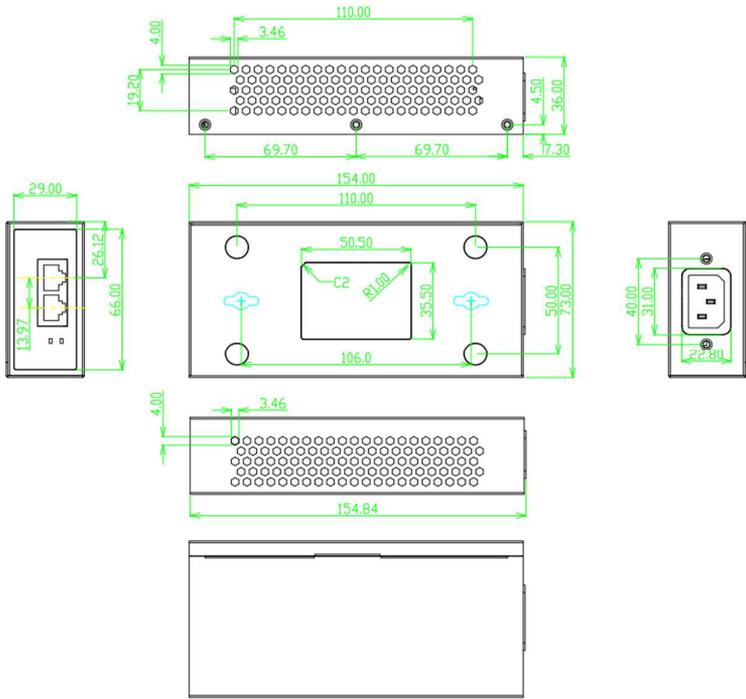


If this unit is to be installed in a location where the ambient temperature exceeds 50C, the case temperature may exceed safe levels. For this reason, this unit should be installed in a restricted access location where access can only be gained by service personnel or users who have been instructed about the reasons for the restrictions applied to the location and about any precautions that shall be taken; and access is through the use of a tool or lock and key, or other means of security, and is controlled by the authority responsible for the location.

Technical Specifications

Connection	
Power Consumption	36.6 Watts maximum (with 30W PoE/PoE+ output
Power Input	100-240VAC, 50/60 Hz
Interface	
Data Port (Ethernet–RJ45)	10/100/1000Base-T, auto negotiation speed, F/H duplex mode and auto MDI/MDI-X connection
PoE/PoE+/Data Port (Ethernet – RJ45)	
LED Indicators	PWR green on, power on off, no power PoE/Data green on (data or power), off, no data or power
Cable Distance (mid-span)	Total cable distance for both ports combined should not exceed 100 meters (328ft)
Environmental	
Operating Temperature	0°C to 40°C (32°F to 104°F)
Storage Temperature	-40°C to 70°C (-40°F to158°F)
Ambient Relative Humidity	10 – 95% (non-condensing)
Regulatory Approvals	
Certifications	CE, FCC Class A

Mechanical Drawings



Contacting Technical Support

Contact information for the Perle Technical Assistance Center (PTAC) can be found at the link below. A Technical Support Query may be made via this web page.

[*www.perle.com/support_services/support_request.shtml*](http://www.perle.com/support_services/support_request.shtml)

Warranty / Registration

This product is covered by the Perle Ethernet Switches Warranty. Details can be found at:

[*http://www.perle.com/support_services/warranty.shtml*](http://www.perle.com/support_services/warranty.shtml)

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