



## DG-PE1148D

# Desktop Mount 48V DC PoE Injector Quick Installation Guide

V3.0  
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As our products undergo continuous development the specifications are subject to change without prior notice

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### Trademarks

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### Safety

This equipment is designed with the utmost care for the safety of those who install and use it. However, special attention must be paid to the dangers of electric shock and static electricity when working with electrical equipment. All guidelines of this and of the computer manufacturer must therefore be allowed at all times to ensure the safe use of the equipment.

### Package Contents

The following items should be present in your package:

1. DG-PE1148D Desktop Mount 48V DC PoE Injector
2. Quick Installation Guide
3. Power Cord

Make sure that the package contains above items. If any of the listed items is damaged or missing, please contact your retailer immediately.

**Note: Please verify the maximum power consumption of your PoE enabled device before connecting to PoE injector DG-PE1148D. If the PoE enabled device needs more than 30 watts of power then it can damage the DG-PE1148D.**

### Introduction

Thank you for choosing the Digisol DG-PE1148D Desktop Mount 48V DC PoE injector. This PoE injector will supply steady power to IEEE802.3af compliant network devices using Ethernet Cable. PoE injector allows to use the existing Ethernet infrastructure to transmit electrical power and data, to remote network end points. This helps in reducing the cost of installation of new power cables and saves time.

### Key Features

- Complies with IEEE 802.3, IEEE 802.3u, IEEE802.3af & IEEE802.3at Standards.
- Transmits electrical power and data on the single Ethernet Cable.
- Compatible with IEEE802.3af / IEEE802.3at compliant devices.
- Integrated power module.
- Plug-and-Play installation. • Compact Design.

### Min. System Requirements

- Minimum Cat 5 Ethernet cable
- An AC power source for Powering ON the device

### Left Side View – Power Connector

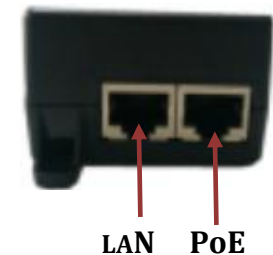
Following figure shows the left side view of the product. There is a power connector to connect the power cord from the AC power source.



Power Connector

### Right Side View – Port Connectors

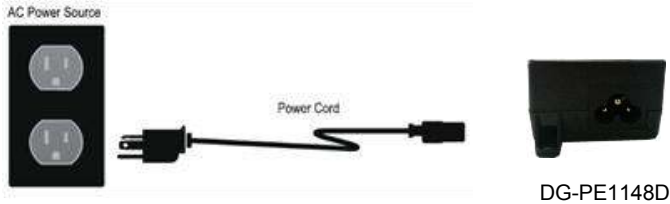
Following fig shows the right side view of the product. There are two Ethernet LAN ports. One is "LAN" which connects as a Uplink to your LAN switch. The other is "PoE" which connects to PoE enabled device. It carries Power and Data on a single ethernet cable.



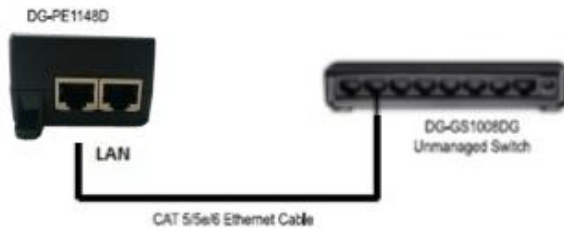
LAN PoE

## Hardware Installation

Step1: Connect one end of the power cord to the AC power outlet and the other end to the Power connector on the device.



Step2: Connect CAT5/5e/6 cable from LAN or a switch to "LAN" port on DG-PE1148D.



Step3: Connect CAT5/5e/6 cable from PoE enabled device (e.g. PoE IP camera or a PoE Access point) to the "PoE" port on DG-PE1148D.



**Your Installation is now complete**

## Technical Specifications

- Hardware Specifications

One Power Connector  
 One 10/100 Mbps Ethernet LAN Port  
 One 10/100 Mbps Ethernet PoE Port

- Standards Compliance

IEEE802.3 10Base-T Ethernet  
 IEEE802.3u 100Base-TX Fast Ethernet  
 IEEE802.3af/ IEEE802.3at Power over Ethernet (PoE)

- Ethernet Pin Usage

Data: Pin No. 1,2,3,6  
 Power: Pin No. 4 & 5 (V+), 7 & 8 (V-)

- LED Indicator

Power

- Data Transfer rates

100 Mbps Half-Duplex  
 200 Mbps Full-Duplex

- Network Cables

100Base-Tx: UTP Cat5/5e (100m)

- Power

Input: AC 100~ 240V, 50~ 60Hz  
 PoE Out:48V DC, 0.5A

- Environmental Specifications

Operating Temperature: -10° C to 40 ° C  
 Storage Temperature: -30 ° C to 80 ° C  
 Operating Humidity: 10% to 95%  
 Storage Humidity: 10% to 95%

- Dimension

Net: 115(L) x 54 (W) x 35 (H)mm

- Weight

Net: 160gms

## Frequently Asked Questions

Following are the solutions to problems that may occur during the installation and operation of the Digisol DG-PE1148D PoE injector.

The Power LED on DG-PE1148D is OFF

- Ensure that the DG-PE1148D is connected to an AC power outlet using the power cord shipped with the product.
- Connect the power cord firmly to the power connector on the device.

The PoE enabled device does not power on

- Verify that the PoE device which needs to be powered on is connected to the "PoE" port of DG-PE1148D
- Ensure that the PoE device is connected firmly to

DG-PE1148D.

- Try using another CAT5/5e cable.

- Verify the Max. power consumption of the PoE enabled device and whether it complies with IEEE802.3af / IEEE802.3at standard.

1. Can DG-PE1148D work with any PoE enabled device?
  - DG-PE1148D can power on any PoE enabled device that complies with IEEE802.3af/ IEEE802.3at standard.

If you still encounter problems or have any questions regarding the PoE injector Installation/Troubleshooting, please contact Digisol Technical Assistance Centre.

**This product comes with one year warranty. To avail & activate warranty for your product, kindly register your product by calling us @18002093444**