



POI-3004 Version: 2

---

## Gigabit PoE Injector, 30W

The LevelOne POI-3004 is a Power over Ethernet (PoE) injector that not only delivers a cost-effective solution for power distribution, but also provides a seamless way of deploying Powered Devices (PDs) on existing LAN infrastructure.

With the use of power injectors, It is equipped with 6KV PoE Surge Protection and DC power of up to 30W and the data that comes from a non-PoE switch are merged together and then transmitted to a PD such as a PoE network camera, through the Ethernet cabling. This allows you to extend the use of your existing hardware investment without needing to buy extra PoE switches.

Furthermore, non-PoE devices like wireless access points can also be powered up remotely by adding additional PoE splitters, since power and data are further split into two cables. These devices can therefore be installed in hard-to-reach areas like ceilings where there are no outlets or electrical wiring nearby.

---

### Key Features

- Remove the need for a bulky power adapter and power line
  - Delivers power and data to equipment via a single Ethernet cable
  - Remote power feeding up to 100m
  - Unique interlocking feature for easy installation
  - Surge protected to enhance safety
  - Simple Plug and Play installation
  - Compact, lightweight design
  - Total PoE power budget: 30W, up to 30W per port
  - 6KV surge protection level on each port
- 

### Specifications

#### System Specifications

##### Standards & Protocols:

IEEE 802.3 10Base-T, Ethernet  
IEEE 802.3u 100Base-TX, Fast Ethernet  
IEEE802.3ab 1000Base-T, Gigabit Ethernet  
IEEE 802.3af/at Power over Ethernet (PoE) compliant

##### Port:

1 x 10/100/1000Base-T RJ-45 Input Port  
1 x 10/100/1000Base-T RJ-45 PoE Output Port

**Indicator:**

Power, PoE

**Pin Assignment and Polarity:**

4/5 (+), 7/8 (-)

**Power Input:**

PoE Power Output: DC 56V / 30W

Unit Output Voltage: DC 56V / 0.54A

Power Requirement: 100-240V AC, 50/60Hz, 0.8A

Power Consumption: 30W (Max.)

**Power Output:**

30W

**Data Rate:**

10/100/1000Mbps

## Features

**PoE:**

IEEE 802.3af/at compliant

## Environment

**Operating Temperature (°C):**

Operating: -20°C ~ 60°C

Storage: 0°C ~ 70°C

**Operating Humidity (Non-condensing):**

Storage: 5% to 95%

Operating: 5 ~ 95%

**Installation:**

Wall mount

## Physical Specifications

**Dimensions (W x D x H mm):**

173.5 x 55 x 35.5mm

**Weight (g):**

275g

## Approval and Compliance

**EMI/EMS:**

EN55024 Class B, FCC, CE, Industry Canada ICES-003 Class B

**Safety:**

EN60950, EN62368, UL

**Environmental Test:**

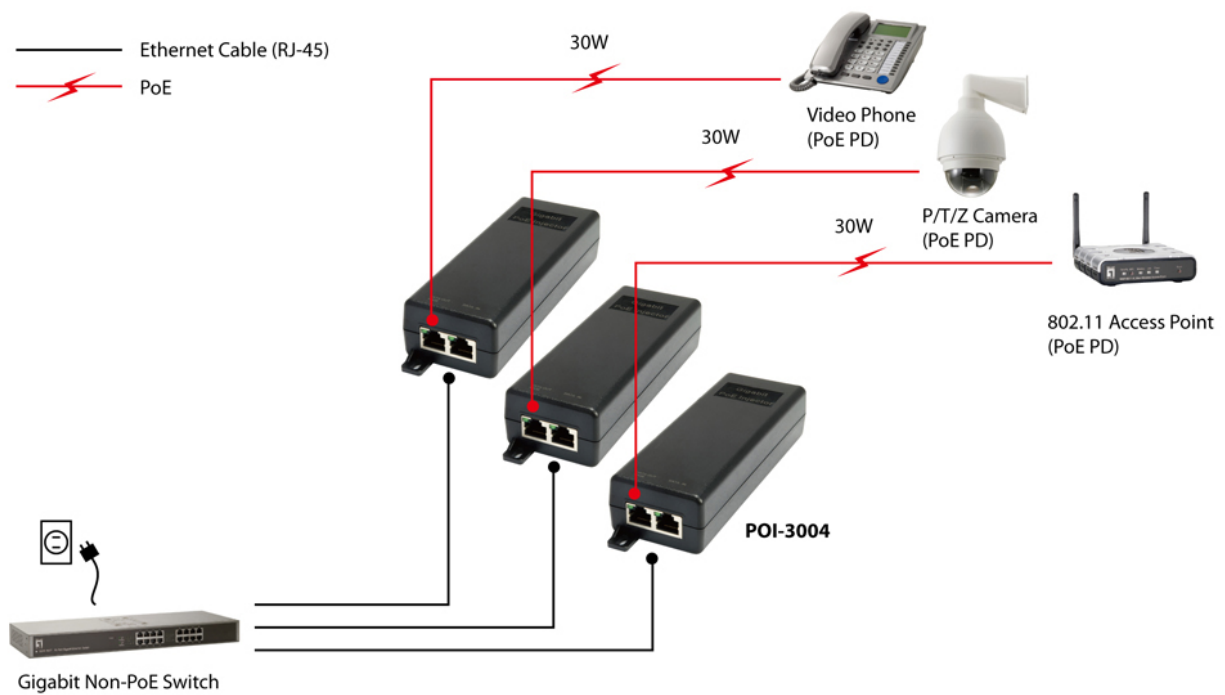
IEC61000 ESD Level 4 (Con 8KV /Air 15KV)

**Others:**

EN55022 Class B, Hi-pot 3KVac, Insulation Resistance 50M?

6KV PoE Surge, EN55032, AS/NZS CISPR32,

## Diagram



---

## Order Information

---

### Package Contents

POI-3004  
Quick Installation Guide  
Power Cord

No liability or responsibility for any errors or omissions in the content.  
Specifications are subject to change without notice.  
All mentioned brand names are registered trademarks and property of their owners.  
Copyright © Digital Data Communications GmbH, Germany. All Rights Reserved.