



## 24-Port PoE Surge Protector, 6KV, 30W

The LevelOne ESP-2400 is an in-line 24 ports RJ45 surge protector rack to support PoE standard IEEE 802.3af/at devices connected. It has a total of 48 RJ45 connectors and simply installs in-line on each RJ45 Cat5e/6 cable. The in-line installation is a very easy and straight forward. Unit protects up to 24 different Ethernet devices like switches, routers, laptops/PCs, etc from damaging surges caused by lightning or static electricity upto 6KV. Moreover, each port is isolated from others and will not fail the entire rack if some of ports are damaged which its LED is off.

### Key Features

- IEEE 802.3af/at PoE compliant to simplify deployment and installation
- 6KV surge protection level on each port
- Complete protection against power surges for PoE devices
- Port isolation design prevents surge spread
- Remote power feeding up to 100m
- 19-inch rackmount kit included
- Simple Plug and Play installation

### Specifications

#### System Specifications

**Standards:**

IEC61000-4-5

**Connector:**

RJ45

**Port:**

RJ45 x 48 ports , 24 IN & 24 OUT

**Pin Assignment and Polarity:**

follow by PoE Switch Pin Assignment

**Impedance (Ohms):**

40 ? Norminal

**Power Input:**

Maximum 58VDC

**Bandwidth:**

Up to 68MHz

**Insertion Loss:**

<0.2dB

**Max. Clamping Voltage:**

77V

**Surge Life:**

30000 operations @ 4KV

**Insulation Resistance:**

10,000 M?

**Frequency Response:**

Up to 3dB@68MHz

**Surge Protection Time:**

< 1ns

Common Mode: 6KV for 10/700us

Differential Mode: 2KV for 10/700us

**PoE Passing Capability:**

30W

**Max. Breakdown Voltage:**

58V

**Max. Surge Voltage:**

Up to 6KV

**Return Loss:**

16dB @ 100?

**Max. Discharge Current:**

150A for 10/700us

## Environment

**Operating Temperature (°C):**

-40° ~ 85°C

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

20~95%

**Storage Temperature (°C):**

-40° ~ 125°C

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

20~95%

## Physical Specifications

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

445 x 60 x 44mm

**Weight (g):**

1150g

**Color:**

Black Texture Spray Painting

**Shell Material:**

Metal

## Order Information

ESP-2400

---

## Package Contents

ESP-2400

Quick Installation Guide

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.