



IFP-0501 Version: 1

## 5-Port Fast Ethernet PoE Industrial Switch, 4 PoE Outputs, 802.3at PoE+, 126W, -40°C to 75°C

The LevelOne IFP-0501 Industrial Fast Ethernet PoE Switch provides 4 ports at 10/100M TX PSE to supply power and internet to PoE compatible Powered Devices (PD) in a network setting. The IFP-0501 supplies 15.4 Watts for IEEE802.3af or 30 Watts (Max 36W) for IEEE802.3at per port. With an industrial-standard DIN-rail mount for easy cabinet deployment and metal casing rated to IP30, this ruggedized switch is engineered for installation in industrial settings where humidity, dust, high or low operating temperatures or vibrations could cause standard devices to fail.

### Key Features

- Provides flexibility of 4 x 10/100BASE-TX PoE ports
- PoE ports can support the IEEE 802.3at standard and power up 30W devices
- 10/100Mbps, full/half-duplex, auto-negotiation, auto-MDI/MDIX
- -40°C to 75°C operating temperature range
- Provides DIN-rail, wall or desktop mounting
- IP30 metal case
- Redundant power inputs with Terminal Block

### Specifications

#### System Specifications

##### Standards & Protocols:

IEEE 802.3 10Base-T Ethernet  
IEEE 802.3u 100Base-TX Fast Ethernet  
IEEE802.3x Flow Control and Back Pressure,  
IEEE802.3af for PoE  
IEEE802.3at for PoE+

##### Memory:

1M

##### Buffer Memory:

1M

##### Connectors and Cabling:

4 x 10/100M TX PSE  
1 x 10/100M TX  
1 x Terminal block

**Indicator:**

PW1 (Power 1) : Green / PW2 (Power 2) : Green / SW( Relay) : Amber  
LNK (RJ45) : Green / PoE link : Amber

**Transmission Method:**

Store-and-Forward

**Power Input:**

Dual DC 9V-56V Power Inputs provide power redundancy

9-56VDC Input : switch without PoE

44-56VDC Input: switch with PoE

**Power Output:**

Alarm Relay Output 1A @ 24VDC

## Features

**PoE:**

Input Voltage 44VDC-56VDC.

PoE power per port 30watts. Maximum 36Watts with 56VDC input.

Maximum total power 126Watts with 56VDC input

## Performance

**Backplane (Gbps):**

1G

**MAC Address Table:**

1K

**Data Transfer Rate:**

10/100Mbps

**Packet Forwarding Rate:**

100Mbps port - 148,000pps

10Mbps port - 14,880pps

## Environment

**Temperature (°C):**

Operating: - 40°C ~ 75°C

Storage: - 40°C ~ 85°C

**Humidity (Non-condensing):**

Storage: 5% ~ 95%

Operating: 5% ~ 95%

**Deployment:**

Desk, din rail, wall mount

## Physical Specifications

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

36.2 x 105 x 142 mm

**Weight (g):**

460 g

## Reliability

**MTBF:**

150,000 hrs at 25°C

## Approval and Compliance

### EMI/EMS:

FCC, CE, VCCI

### Safety:

EN60950-1

### Environmental Test:

EN55022/24

EN55011

EN50121-3-2

EN50121-4 (pending)

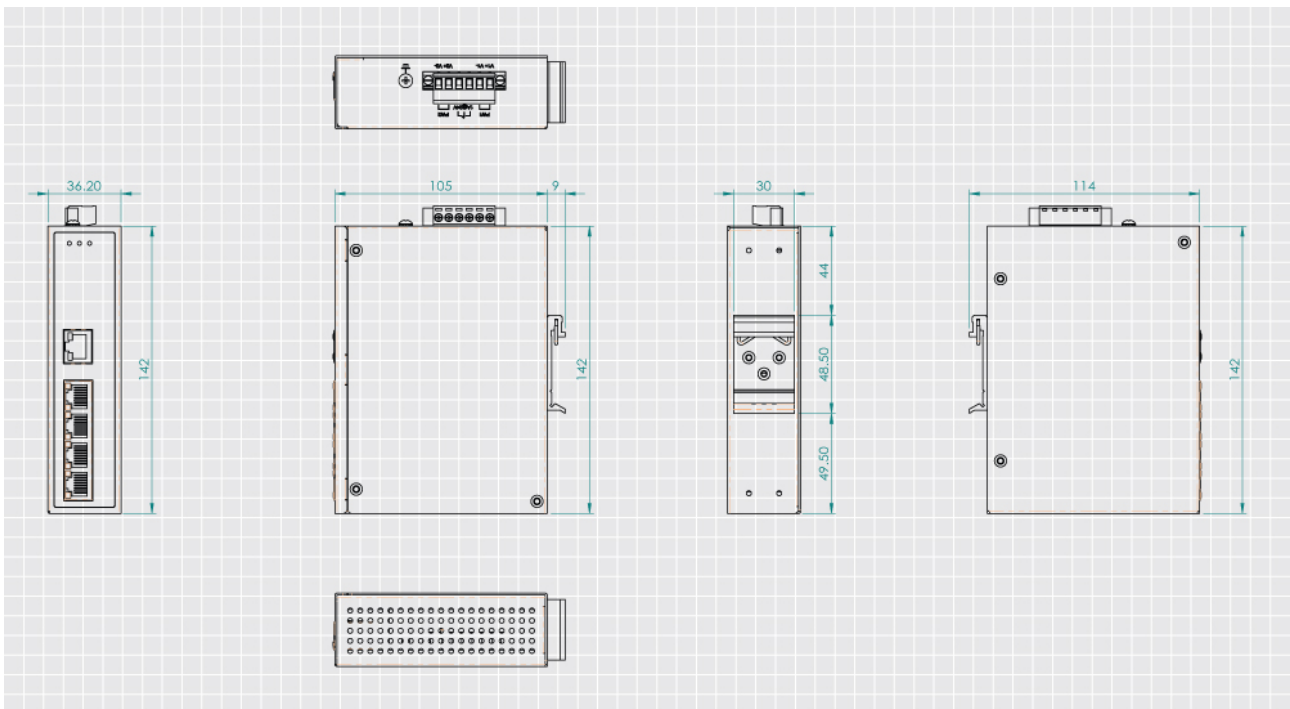
EN50155 (pending)

EN60068-2-6

EN60068-2-27

EN60068-2-32

## Diagram



## Order Information

IFP-0501

## Package Contents

IFP-0501

Power Terminal Block

Mounting Kit

Quick Installation Guide



## Optional Accessory



### **POW-2410**

Industrial Power Supply, 24VDC, 30W, DIN-Rail



### **POW-2420**

Industrial Power Supply, 60W, 24VDC, DIN-Rail



### **POW-2430**

Industrial Power Supply, 24VDC, 75W, DIN-Rail



### **POW-2440**

Industrial Power Supply, 120W, 24VDC, DIN-Rail



### **POW-4801**

48V DC Power Adapter



### **POW-4810**

Industrial Power Supply, 48VDC, 40W, DIN-Rail, PoE Ready



### **POW-4820**

Industrial Power Supply, 48VDC, 75W, DIN-Rail, PoE Ready



### **POW-4830**

Industrial Power Supply, 48VDC, 85W, DIN-Rail, PoE Ready



### **POW-4840**

Industrial Power Supply, 120W, 48VDC, DIN-Rail, PoE Ready



### **POW-4850**

Industrial Power Supply, 48VDC, 240W, DIN-Rail, PoE Ready



### **POW-4860**

Industrial Power Supply, 48VDC, 480W, DIN-Rail, PoE Ready



### **POW-5510**

Industrial Power Supply, 55VDC, 85W, DIN-Rail