



IFP-0502 Version: 1

5-Port Fast Ethernet PoE Industrial Switch, 4 PoE Outputs, 802.3at PoE+, 1 x SC Multi-Mode Fiber, 2km, 126W, -40°C to 75°C

The LevelOne IFP-0502 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 multi-modal fibre IFP-0502 switch supplies 15.4 Watts for IEEE802.3af or 30 Watts (Max 36W) for IEEE802.3at per port, and is configured for large industrial or outdoor networks, with a maximum networking range of 2km. With an industrial-standard DIN-rail mount for easy cabinet deployment or wall mount for versatile network configurations, the IFP-0502 comes in a sturdy metal casing rated to IP30 for installation in industrial settings where humidity, dust, high or low operating temperatures or vibrations could cause standard devices to fail.

Key Features

- Multi-mode fiber with SC connector for transmission of up to 2km
- 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 SC MM 2km
1 x Terminal block

Indicator:

PW1 (Power 1) : Green / PW2 (Power 2) : Green / SW(Relay) : Amber
LNK (RJ45) : Green / POE link : Amber
SFP : Green (Link / Active)

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)

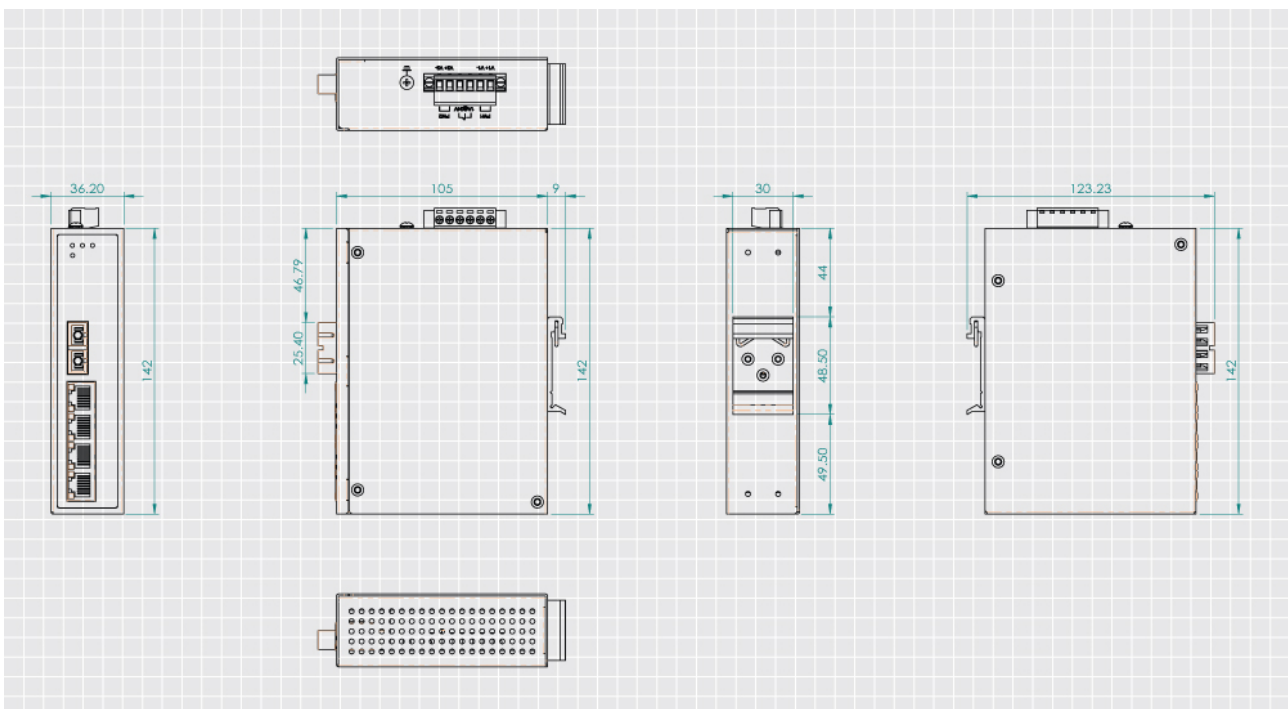
EN50155 (pending)

EN60068-2-6

EN60068-2-27

EN60068-2-32

Diagram



Order Information

IFP-0502

Package Contents

IFP-0502

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-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

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