![LevelOne logo]

IFP-0504 Version: 1

5-Port Industrial Fast Ethernet PoE Switch, 4 PoE Outputs, 802.3at PoE+, 1 x ST Multi-Mode Fiber, 2km, 126W

 The LevelOne IFP-0504 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-0504 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 ST 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 (-40°F to 167°F) operating temperture 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 ST 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:
Dual DC 9V-56V Power Inputs provide power redundancy
9-56VDC Input : switch without PoE
44-56VDC Input: switch with PoE
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
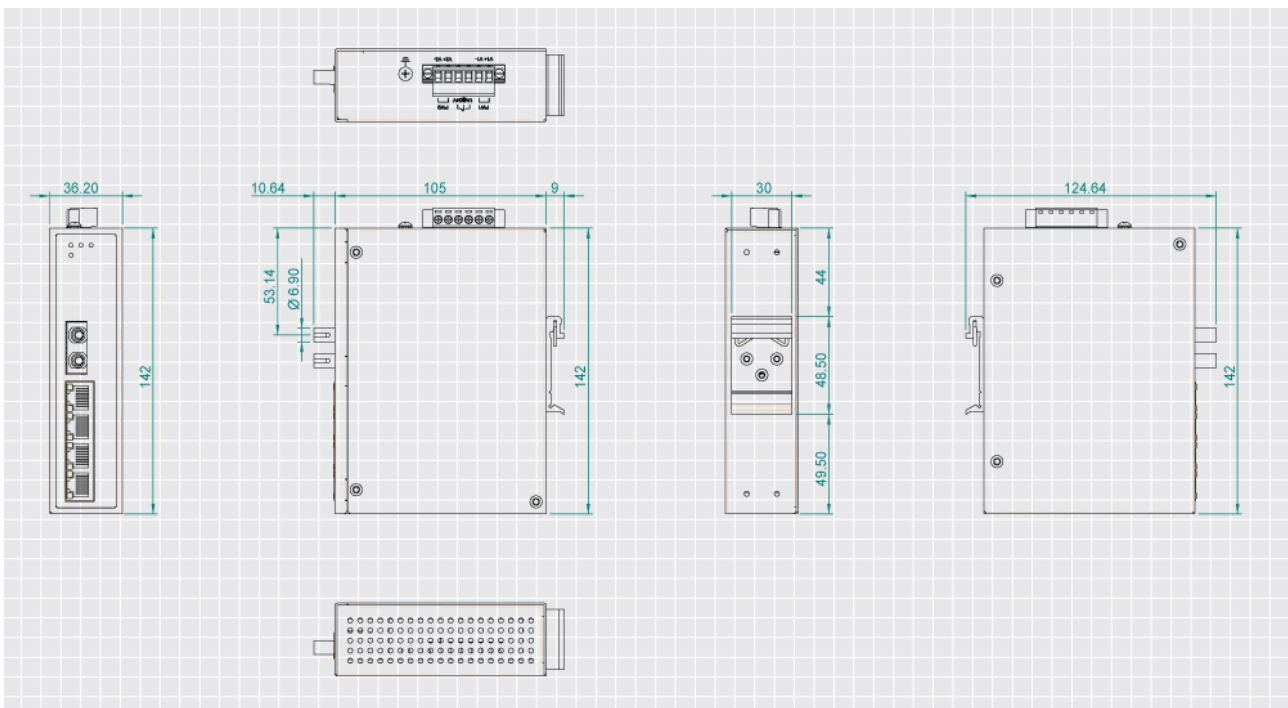
Weight (g):
460 g

Reliability

MTBF:
150,000 hrs at 25°C

Others

Approval and Compliance:
FCC, CE, RoHS, VCCI, Safety EN60950-1
EN55022/24
EN55011
EN50121-3-2
EN50121-4 (pending)
EN50155 (pending)
EN60068-2-6
EN60068-2-27
EN60068-2-32

Diagram

Order Information

IFP-0504

Package Contents

IFP-0504
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