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

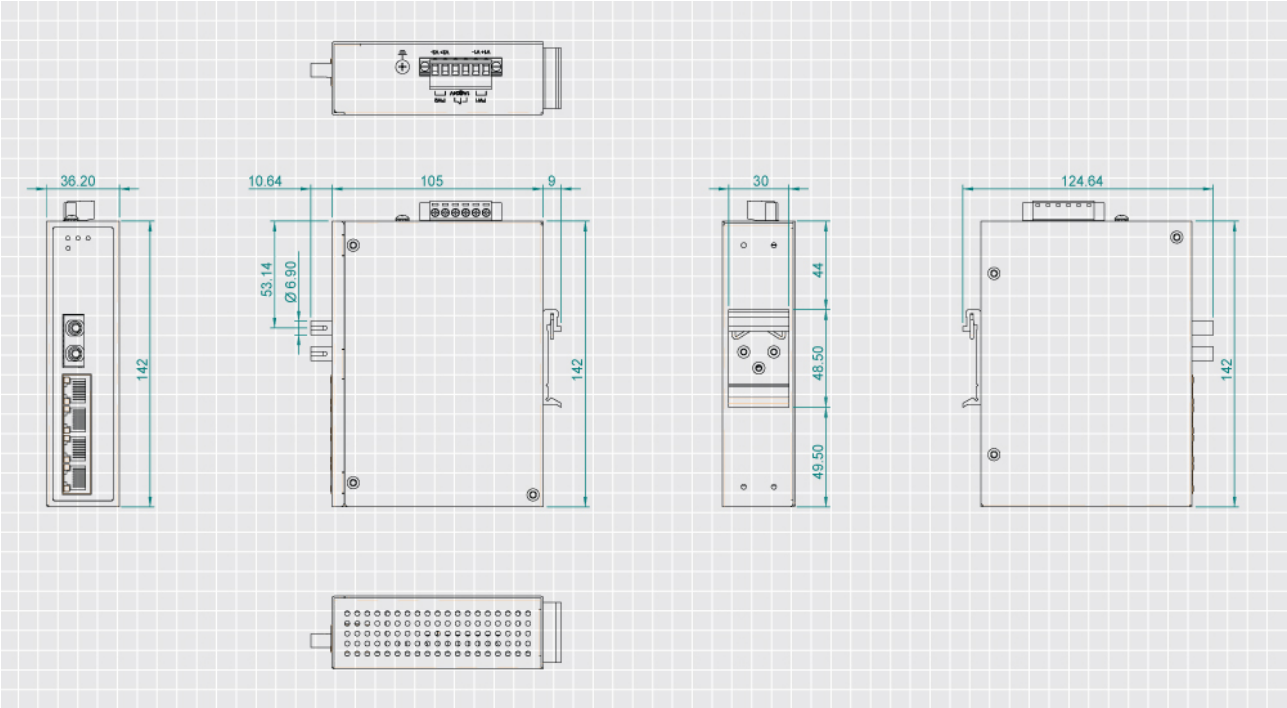
Reliability

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

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.