IFP-0503 Version: 1

5-Port Industrial Fast Ethernet PoE Switch, 4 PoE Outputs, 802.3at PoE+, 1 x SC Single-Mode Fiber, 30km, 126W

 The LevelOne IFP-0503 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 large-scale indoor or outdoor network setting. The IFP-0503 supplies 15.4 Watts for IEEE802.3af or 30 Watts (Max 36W) for IEEE802.3at per port. Duplex mode Fibre allows installation up to 30km from the power source. 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

- Single-mode fiber with SC connector for transmission of up to 30km
- 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 SC SM 30km
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
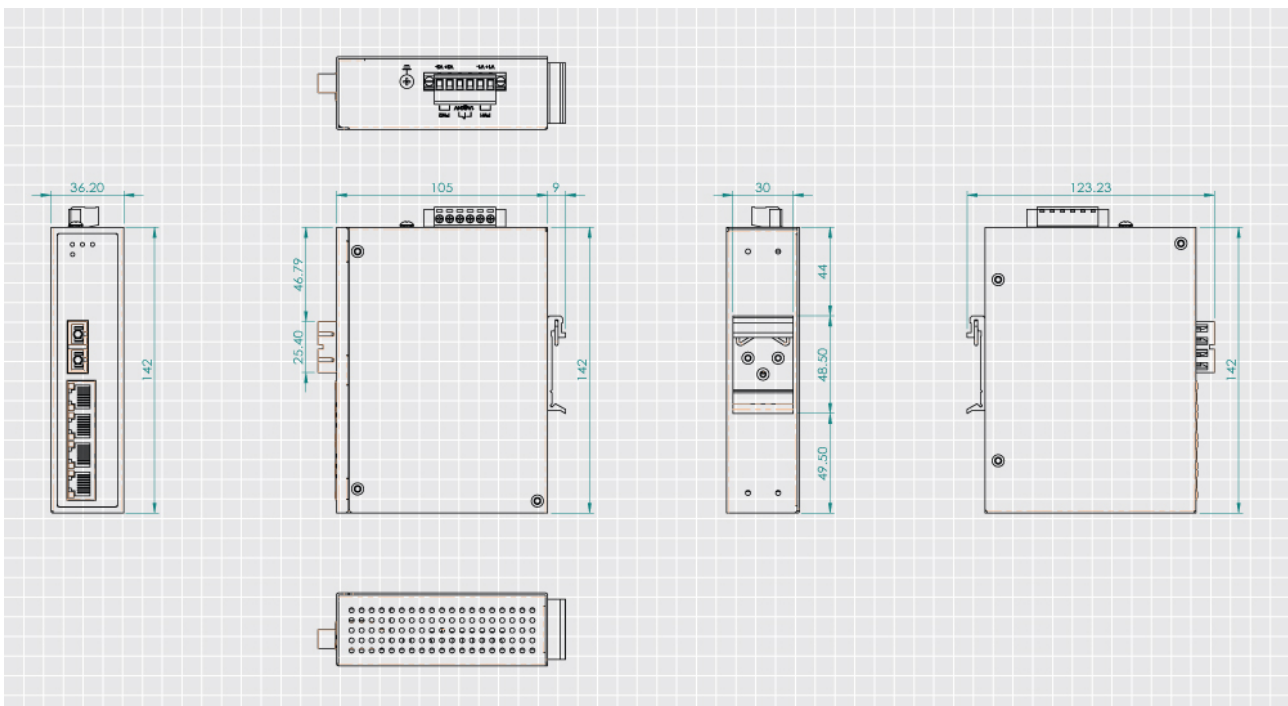
Weight (g):
460 g

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-0503

Package Contents

IFP-0503
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