



IFS-0502 Version: 1

5-Port Fast Ethernet Industrial Switch, 1 x SC Multi-Mode Fiber, 2km, -40°C to 75°C

The LevelOne IFS-0502 Industrial Fast Ethernet Switch provides four ports at 10/100M TX and one multi-modal fiber port at 100M FX SC to enable high speed networks in mission-critical environments. With an industrial standard DIN-rail mount, this switch can be installed in a cabinet, and clearly visible status LEDs provide simple monitoring of port link activity. The multi-modal fiber port allows connections of up to 2km. The switch is housed in a solid metal case rated at IP30, keeping it safe from dust, vibration, heat and humidity, while an operational temperature range of -40°C to +75°C makes it suitable for deployment in almost any environment.

Key Features

- Multi-mode fiber with SC connector for transmission of up to 2km
- Provides flexibility of 4 x 10/100BASE-TX ports
- 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
- Supports 9 to 56VDC power inputs

Specifications

System Specifications

Standards & Protocols:

IEEE 802.3 10Base-T Ethernet
 IEEE 802.3u 100Base-TX Fast Ethernet
 IEEE 802.3u 100Base-FX Fast Ethernet
 IEEE802.3x Flow Control and Back Pressure

Memory:

1M

Buffer Memory:

1M

Connectors and Cabling:

4 x 10/100M TX
 1 x 100M SC MM 2km
 1 x Terminal block

**Indicator:**

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

Transmission Method:

Store-and-Forward

Power Input:

Redundant Dual DC 9V-56V

Power Output:

Alarm Relay Output 1A @ 24VDC

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

EN55022/24

EN55011

EN50121-3-2

EN50121-4 (pending)

EN50155 (pending)

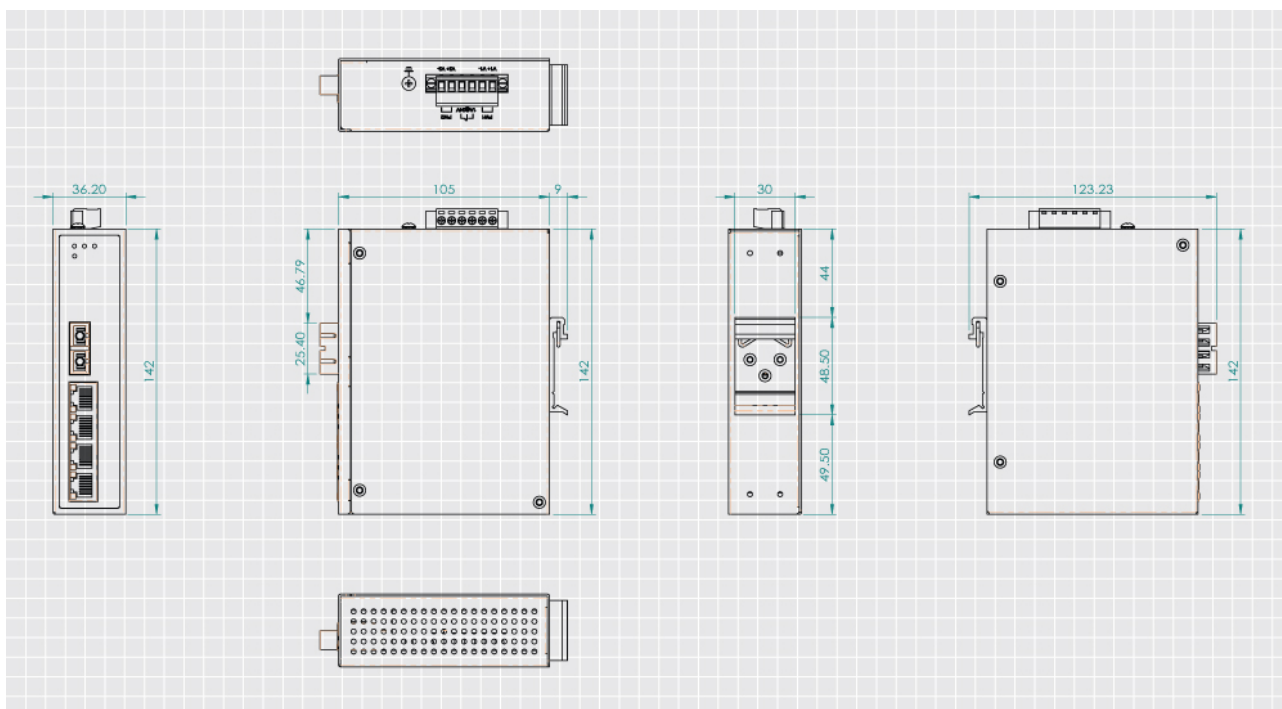
EN60068-2-6

EN60068-2-27

EN60068-2-32

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Diagram



Order Information

IFS-0502

Package Contents

IFS-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-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

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