



IFS-0503 Version: 1

## 5-Port Industrial Fast Ethernet Switch, 1 x SC Single-Mode Fiber, 30km

The LevelOne IFS-0503 Industrial Fast Ethernet Switch provides four ports at 10/100M TX and one single-mode 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 single-mode fiber port allows for large-scale connections of up to 30km. 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

- Single-mode fiber with SC connector for transmission of up to 30km
- Provides flexibility of 4 x 10/100BASE-TX ports
- 10/100Mbps-Full/Half-duplex, Auto-Negotiation, Auto-MDI/MDIX
- -40°C to 75°C (-40°F to 167°F) 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 SM 30km  
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:**

Redundant Dual DC 9V-56V  
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

## Others

**Approval and Compliance:**

FCC, CE, VCCI, Safety EN60950-1

EN55022/24

EN55011

EN50121-3-2

EN50121-4 (pending)

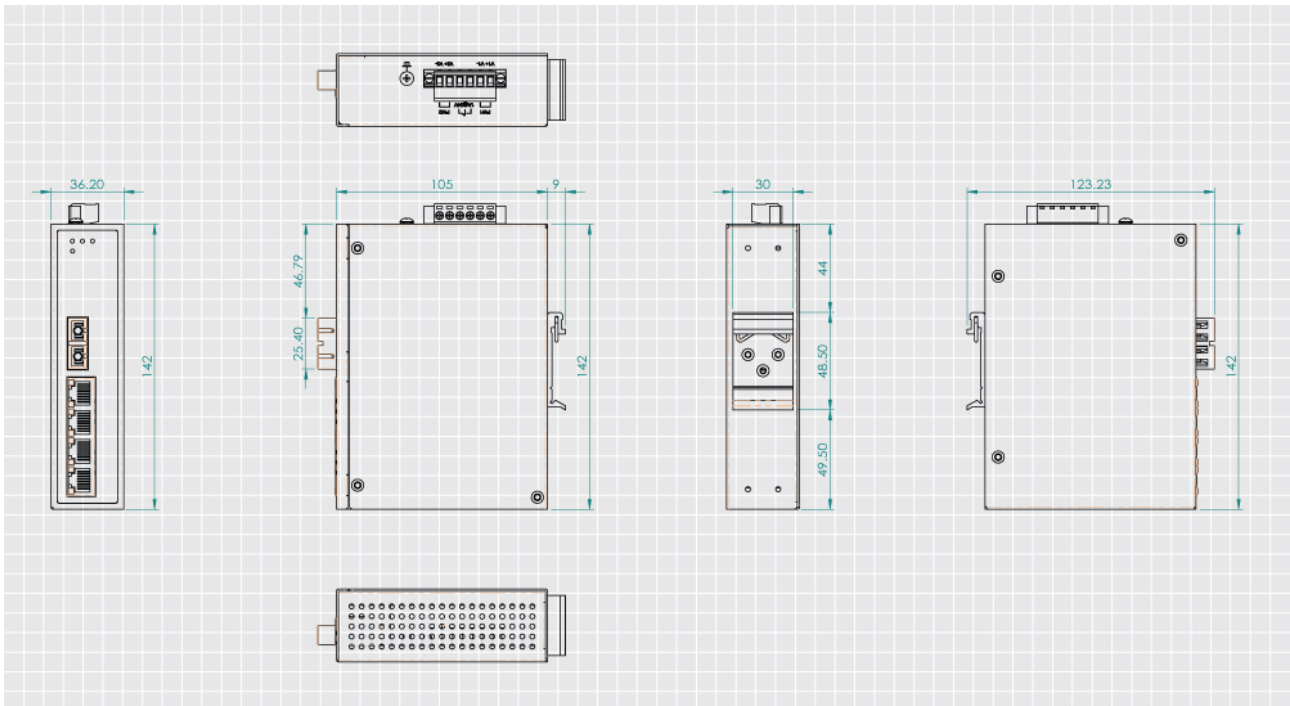
EN50155 (pending)

EN60068-2-6

EN60068-2-27

EN60068-2-32

## Diagram



## Order Information

IFS-0503

## Package Contents

IFS-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

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