



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:

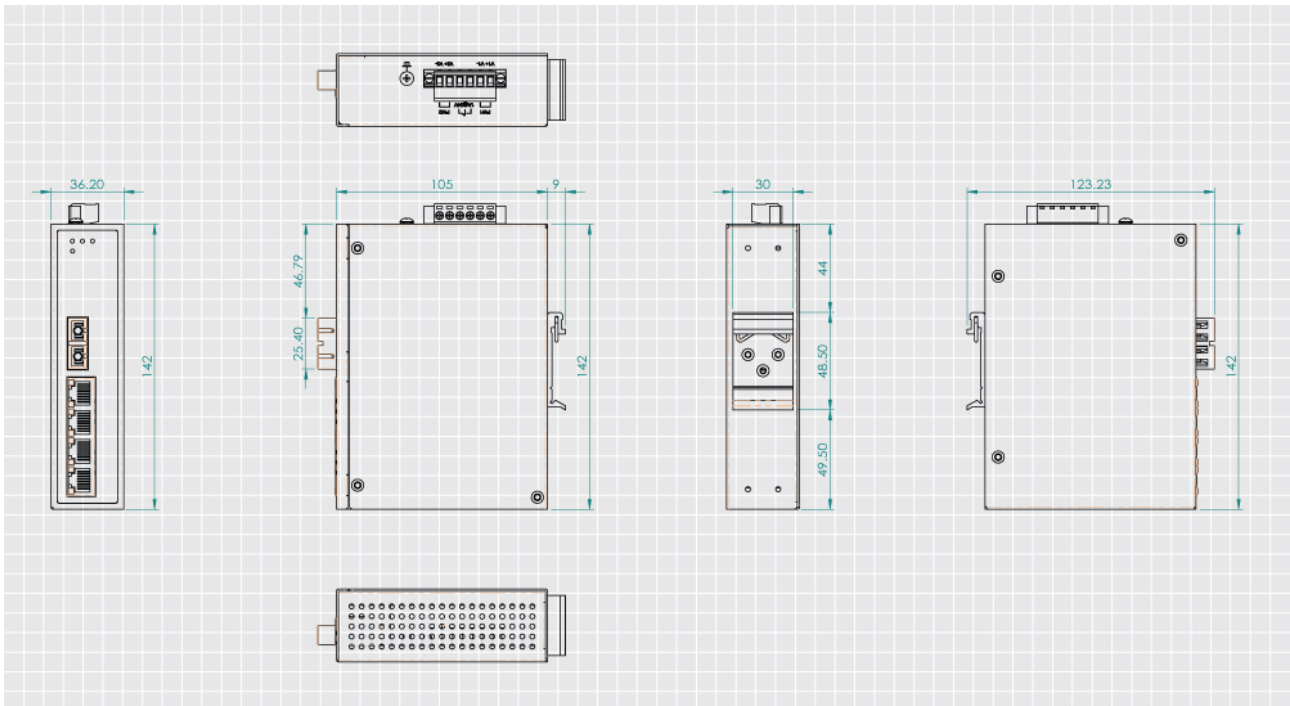
150,000 hrs at 25°C

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

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.