



IFS-0501 Version: 1

5-Port Fast Ethernet Industrial Switch, -40°C to 75°C

The LevelOne IFS-0501 Industrial Fast Ethernet Switch provides 5 ports at 10/100M TX to enable high speed network 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 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

- Provides flexibility of 5x 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 56V DC 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:

5 x 10/100M TX
 1 x Terminal block

Indicator:

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

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

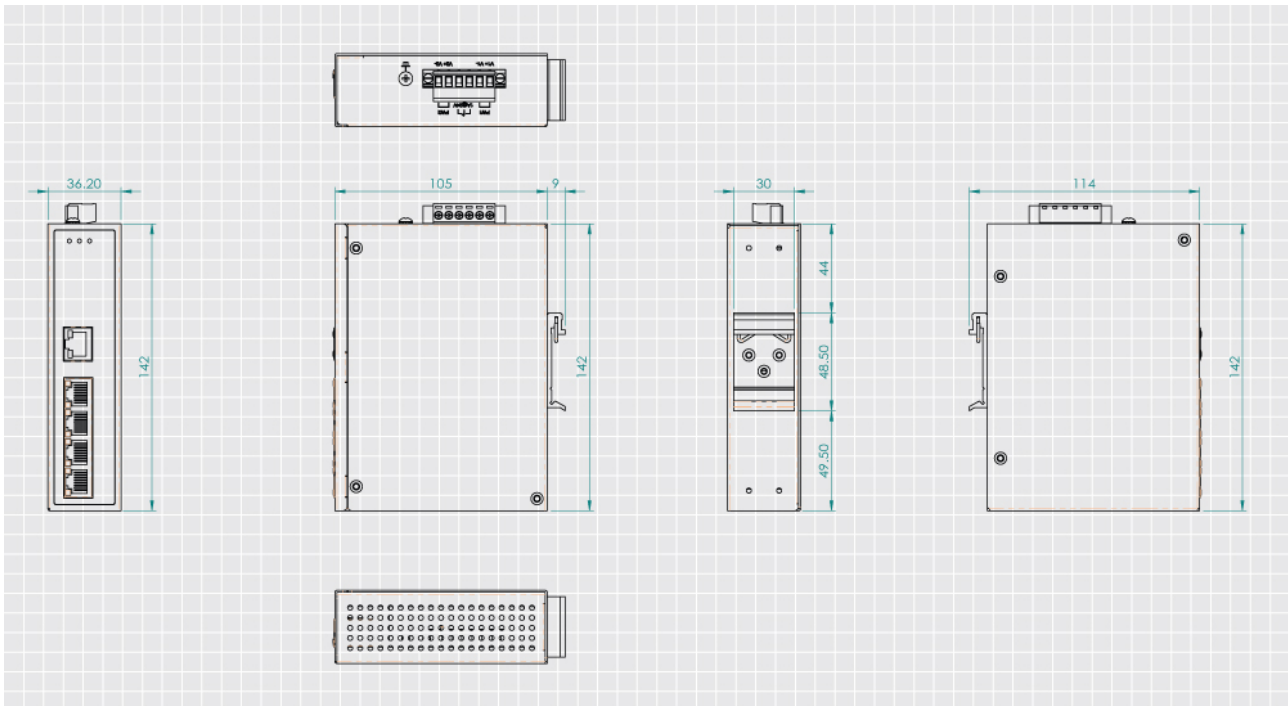
Approval and Compliance

EMI/EMS:
FCC, CE, RoHS, VCCI

Safety:
EN60950-1

Environmental Test:
EN55022/24
EN55011
EN50121-3-2
EN50121-4 (pending)
EN50155 (pending)
EN60068-2-6
EN60068-2-27
EN60068-2-32

Diagram



Order Information

IFS-0501

Package Contents

IFS-0501
Power Terminal Block
Quick Installation Guide
Wall Mount Kit
Din-rail Mount Kit

Optional Accessory



POW-2410

Industrial Power Supply, 24V DC, 30W, DIN-Rail



POW-2420

Industrial Power Supply, 60W, 24V DC, DIN-Rail



POW-2430

Industrial Power Supply, 24V DC, 75W, DIN-Rail



POW-2440

Industrial Power Supply, 120W, 24V DC, DIN-Rail



POW-4801

48V DC Power Adapter



POW-4810

Industrial Power Supply, 48V DC, 40W, DIN-Rail, PoE Ready



POW-4820

Industrial Power Supply, 48V DC, 75W, DIN-Rail, PoE Ready



POW-4830

Industrial Power Supply, 48V DC, 85W, DIN-Rail, PoE Ready



POW-4840

Industrial Power Supply, 120W, 48V DC, DIN-Rail, PoE Ready



POW-4850

Industrial Power Supply, 48V DC, 240W, DIN-Rail, PoE Ready



POW-4860

Industrial Power Supply, 48V DC, 480W, DIN-Rail, PoE Ready



POW-5510

Industrial Power Supply, 55VDC, 85W, DIN-Rail