IFS-0504 Version: 1

5-Port Industrial Fast Ethernet Switch, 1 x ST Multi-Mode Fiber, 2km

The LevelOne IFS-0504 Industrial Fast Ethernet Switch provides four ports at 10/100M TX and one multi-modal fiber port at 100M FX ST 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 for large-scale 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 ST 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 (-40°F to 167°F) operating temperture 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 ST 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:
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):
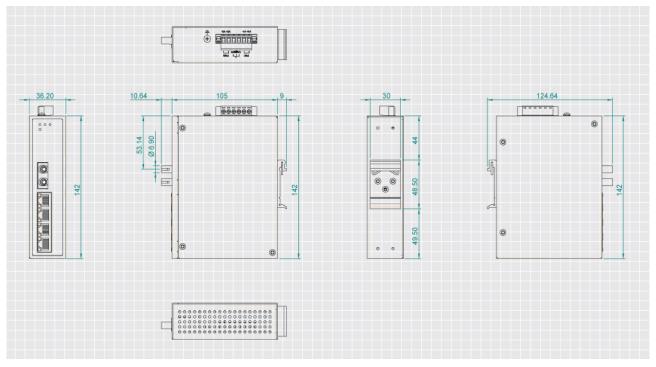36.2 x 105 x 142 mm

Weight (g):
460 g

Reliability

MTBF:
150,000 hrs at 25°C

Others

Approval and Compliance:
FCC, CE, 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

IFS-0504

Package Contents

IFS-0504
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