



IES-0510

4 FE + 1 MM SC Unmanaged Switch -10 to 60, DIN-rail

Quick Installation Guide

v1.00 - 1206

Overview

LevelOne IES-0510 Industry Ethernet Switch provides 4 ports of 10/100Base-TX Ethernet plus 1 port 100FX Multimode SC fiber to enable high speed network at mission-critical environment. This device is designed to be mounted on an industry standard DIN-rail, plus the clearly visible status LEDs provide simple monitoring of port link activity.

Cost Effective

This device operates under -10 to 60 Celsius (-14 to 140 Fahrenheit) temperature that offers optimal suitability for industrial applications at low cost while maintaining all components built to withstand harsh environment applications without compromise reliability and stability.

Plug & Play

This unmanaged Industrial Ethernet Switch is designed for the demanding industrial environments at businesses in need of instant connectivity with no setup or configure required, truly plug and play.

Features

- Complies with IEC61000-6-2 EMC Generic standard immunity for industrial environment.
- Support 802.3/802.3u/802.3x. Auto-negotiation: 10/100Mbps, Full/half-duplex; Auto MDI/MDIX.
- 100Base-FX: Multi mode SC or ST type; Single mode SC or ST type; WDM Single mode SC type.
- Support 2048 MAC addresses, 384K bits buffer memory.
- Store-and-forward mechanism.
- Full wire-speed forwarding rate and non-blocking mechanism.
- Broadcast storm filtering.
- Operating voltage and Max. current consumption: 0.2A @ 12VDC, 0.1A @ 24VDC, 0.05A @ 48VDC. Power consumption: 2.4W Max.
- Power Supply: DC Terminal Block power input, 12-48VDC.
- Operating temperature ranges from -10°C to 60°C.
- Plastic compact DIN-Rail industrial case design.

Package Contents

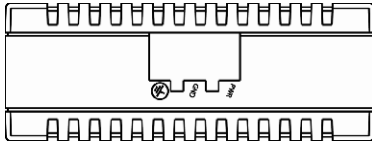
- IES-0510
- Quick Installation Guide
- CD User Manual

LED Status



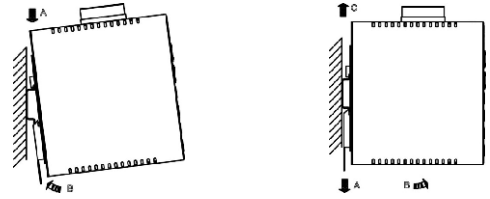
LED	Status	Description
PWR (Green)	Steady	Power On
	Off	Power Off
10/100Base-TX or 100Base-FX/BX		
LNK/ACT	Steady	Network connection is established
	Flashing	Transmitting or Receiving data
100	Steady	Connection at 100Mbps speed
	Off	Connection at 10Mbps speed

Power Input



Terminal Block	PWR	Power Input	12 to 48VDC
	GND	Power Ground	Power Ground
		Earth Ground	

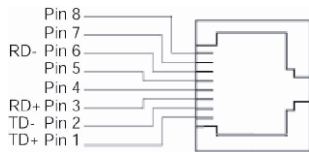
DIN Rail Mount



- Assembly: Place the switch on the DIN rail from above using the slot. Push the front of the switch toward the mounting surface until it audibly snaps into place
- Start-up: Connect the supply voltage to start up the switch via the terminal block (or DC JACK)
- Dismantling: Pull out the lower edge and then remove the switch from the DIN rail.

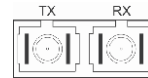
10/100Base-TX Connector

The following lists the pin-out of 10/100Base-TX ports.



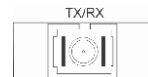
Pin	Standard Port	Uplink Port
1	Output Transmit Data +	Input Receive Data +
2	Output Transmit Data -	Input Receive Data -
3	Input Receive Data +	Output Transmit Data +
4	NC	NC
5	NC	NC
6	Input Receive Data -	Output Transmit Data -
7	NC	NC
8	NC	NC

100Base-FX Connection



The Tx (transmit) port of device I is connected to the Rx (receive) port of device II, and the Rx (receive) port of device I to the Tx (transmit) port of device II.

WDM 100Base-BX Connection



Only one optical fiber is required to transmit and receive data