## Overview

LevelOne IES-1611 Industry Ethernet Switch provides 15 ports of 10/100Base-TX Ethernet plus 1 port 100Base-FX MM 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.

## COInfinity

## IES-1611

## Quick Installation Guide

## Features

- Meets EN61000-6-2 \& EN61000-6-4 EMC Generic Standard Immunity for industrial environment.
- Supports IEEE802.3/802.3u/802.3x. Auto-negotiation: 10/100Mbps, Full/Halfduplex, Auto-Negotiation, Auto MDI/MDIX.
- 100Base-FX: Multi/Single mode SC or ST type, WDM Single mode SC type.
- Supports 4096 MAC addresses. Provides 1.625 M bits buffer memory.
- Alarms for power failure by relay output 1A @ 24VDC.
- Power Supplies: Redundant 12-48VDC Terminal Block power inputs and 12VDC DC JACK with 100-240VAC external power supply.
- Field Wiring Terminal: Use Copper Conductors Only, $60 / 75^{\circ} \mathrm{C}, 12-24$ AWG torque value 7 lb -in.
- Operating voltage and Max. current consumption: 0.7A @ 12VDC, 0.35A @ 24VDC, 0.175A @48VDC. Power consumption: 8.4W Max.
- Operating temperature ranges from $-10^{\circ} \mathrm{C}$ to $60^{\circ} \mathrm{C}\left(14^{\circ} \mathrm{F}\right.$ to $\left.140^{\circ} \mathrm{F}\right)$. UL508 Industrial Control Equipment certified Maximum Surrounding Air Temperature @ $60^{\circ} \mathrm{C}\left(140^{\circ} \mathrm{F}\right)$.
- For use in Pollution Degree 2 Environment.
- Supports Din-rail or Panel Mounting installation.


## Package Contents

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## LED Status



| LED | Status | Description |
| :--- | :--- | :--- |
| PW 1,2,3 | Steady | Power On |
|  | Off | Power Off |
| $\mathbf{1 0 / 1 0 0 B a s e - T X ~ o r ~ 1 0 0 B a s e - F X ~}$ |  |  |
| LNK/ACT <br> (Green) | Steady | Network connection is established |
|  | Flashing | Transmitting or Receiving data |

## Power Input



|  | Power1 | + | 12-48VDC |
| :---: | :---: | :---: | :---: |
|  |  | - | Power Ground |
|  | Power2 | + | 12-48VDC |
|  |  | - | Power Ground |
|  | (1) | Earth Ground |  |
|  | $\ldots$ | Relay Output |  |
|  | The relay contact closes if Power1 or Power2 falls <br> 2. The relay contact closes if Power3 is failed but both Power1 and Power2 are On |  |  |

Power3: 12VDC DC Jack Input type

## 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 |

