level one

COInfinity

IEC-1100

10/100 Industrial Media Converter, SC MM 2KM -10 to 60C

Quick Installation Guide

v1.00 - 1209

Overview

LevelOne IEC-1100 is an industrial Fast Ethernet media converter with IP30 ingress protection case. This converter is designed to be mounted on an industrial 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.

Safety

Complies with IEC61000-6-2 EMC Generic standard immunity for Industrial environment; it also complies with IEC60068 vibration and shock resistance as well.

Plug & Play

This Industrial Media Converter 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

- Provides 1-port 10/100Base-TX plus 1-port 100Base-FX
- 100Base-FX Multimode fibre for the link up to 2 kilometres
- -10°C to 60°C (-14°F to 140°F) and is tested for functional operation at -20°C to 70°C (-4°F to 158°F)
- 10/100Mbps Full/Half duplex, Auto-negotiation, Auto-MDI/MDIX
- Supports 12 to 48VDC power input
- Complies with IEC61000-6-2 EMC Generic standard immunity for industrial environment
- 484K bits buffer memory
- Supports DIN-rail mounting installation

# Package Contents

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LED Status

LED	Status	Description
PWR	Steady	Power On
	Off	Power Off
LNK/ACT	Steady	Network connection is established
	Flashing	Transmitting or Receiving data
	Off	No connection occurred
100 (Mbps)	Steady	Connection at 100Mbps speed
	Off	Connection at 10Mbps speed

Power Input
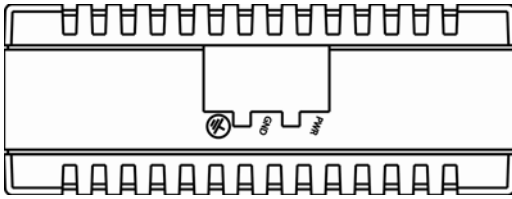
| Terminal Block		
	PWR1	12 – 48VDC
	GND	Power Ground
	⏚	**Earth Ground**

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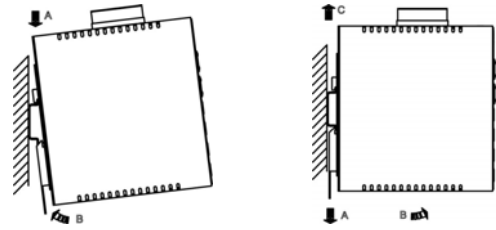
- Assembly: Place the switch on the DIN rail from above using the slot. Push the front of the switch toward the mounting surface until it audibly snaps into place
- Start-up: Connect the supply voltage to start up the switch via the terminal block (or DC JACK)
- Dismantling: Pull out the lower edge and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

10/100Base-TX Connector
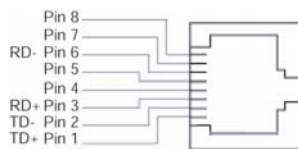
Pin	Standard Port	Uplink Port
1	Output Transmit Data +	Input Receive Data +
2	Output Transmit Data -	Input Receive Data -
3	Input Receive Data +	Output Transmit Data +
4	NC	NC
5	NC	NC
6	Input Receive Data -	Output Transmit Data -
7	NC	NC
8	NC	NC

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.