



Infinity

IEC-1120

10/100 Industrial Media Converter, SC SM 20KM, -10 to 60C

Quick Installation Guide

v1.00 - 1209

Overview

LevelOne IEC-1120 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.

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Features

- Provides 1-port 10/100Base-TX plus 1-port 100Base-FX
- 100Base-FX Single-mode fibre for the link up to 20 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

- IEC-1120
- Quick Installation Guide

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

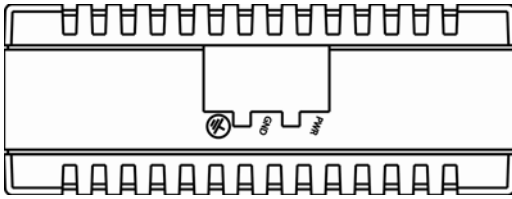
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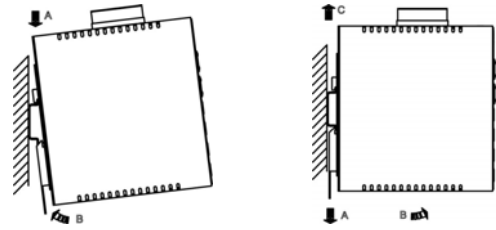
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Power Input



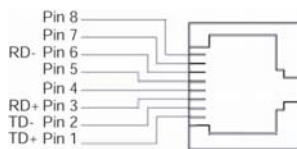
Terminal Block	PWR1	12 – 48VDC
	GND	Power Ground
		Earth Ground

DIN Rail Mount



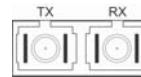
- Assembly: Place the switch on the DIN rail from above using the slot. Push the front of the switch toward the mounting surface until it audibly snaps into place
- Start-up: Connect the supply voltage to start up the switch via the terminal block (or DC JACK)
- Dismantling: Pull out the lower edge and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