IEC-1400

10/100 Industrial Media Converter w/ PoE PD

SC MM 2KM -10 to 60C

Quick Installation Guide

v1.00 - 1209

Overview

LevelOne IEC-1400 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.

Power over Ethernet

This converter is PoE Powered Device (PD), which is supplied with current by PoE PSE, and it is fully complied with IEEE 802.3af PoE standard. It helps to save infrastructure wiring costs dramatically by eliminating electric wiring and no power adapter needed.

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 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
- IEEE802.3af PoE PD that can be powered PoE PSE or external power supply
- 10/100Mbps Full/Half duplex, Auto-negotiation, Auto-MDI/MDIX
- Complies with IEC61000-6-2 EMC Generic standard immunity for industrial environment
- 228K bits buffer memory
- -10°C to 60°C (-14°F to 140°F) operating temperature
- Supports DIN-rail mounting installation

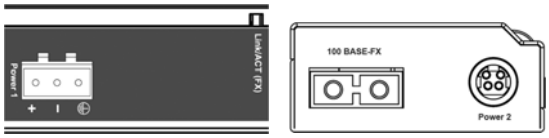
Package Contents

- IEC-1400
- Quick Installation Guide

LED Status

LED	Status	Description
Power 1, 2	Steady	Power On
	Off	Power Off
PD Power	Steady	Powered Source Equipment (PSE) is connected
	Off	Powered Source Equipment (PSE) is disconnected
Link/ACT	Steady	Network connection is established
	Flashing	Transmitting or Receiving data
	Off	No connection occurred

Power Input



Terminal Block	Power 1	+	48VDC
		–	Power Ground
	⏚	**Earth Ground**	

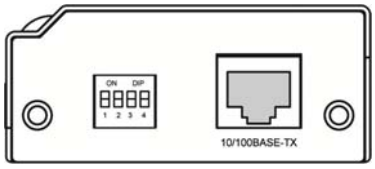
DC Jack	Power 2	48VDC

PoE	PD Power	Power Source Equipment (PSE) over Ethernet port

Note

This converter can be powered by PoE via Ethernet connection. No Terminal Block or DC Jack power is needed when PSE is connected

DIP Switch

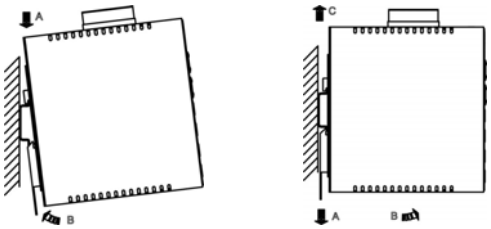


DIP	On	Off
1	Enable Force mode for TX port	Enable Auto mode for TX port
2	Force to 10Mbps on TX port	Auto 10/100Mbps on TX port
3	Half Duplex on TX port	Full Duplex on TX port
4	LFPT is enabled	LFPT is disabled

Note:

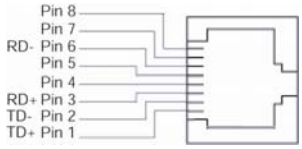
- **LFPT**: Link Forward Pass Through
- Disconnect the power before change the DIP switch settings

DIN Rail Mount



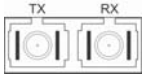
- Assembly: Place the switch on the DIN rail from above using the slot. Push the front of the switch toward the mounting surface until it audibly snaps into place
- Start-up: Connect the supply voltage to start up the switch via the terminal block (or DC JACK)
- Dismantling: Pull out the lower edge and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