



IEC-4301 [?][?][?] [?]: 1

## Industrial Fast Ethernet Mini Media Converter - 10/100Mbps RJ-45 Copper to 100Mbps SC Single-Mode Fiber, 30KM

LevelOne IEC-4301 is an industrial Fast Ethernet media converter with a mini size, rugged aluminium case which providing superb heat dissipation. This converter is designed to be mounted on an industrial standard DIN-rail, as well as on the wall, plus the clearly visible status LEDs provide simple monitoring of port link activity. It also features Link Fault Pass Through in order to alert remote location when link status changes.

### Key Features

- 10/100BaseT to 100Base-FX
- Rugged aluminium case design in a mini size form factor
- 18V-36VAC & 12V-60VDC with polarity protection
- Link Fault Pass through (LFP) function
- Supports switch and pure converter mode
- Surge & ESD protection
- Maximum noise & interference immunity
- -40°C to 75°C (-40°F to 167°F) operating temperature range
- DIN-Rail or panel mount installation



### System Specifications

#### Standards & Protocols:

IEEE 802.3 10-BASE-T, Ethernet  
 IEEE 802.3u 100-BASE-TX, Fast Ethernet  
 IEEE 802.3u 100-BASE-FX, Fast Ethernet  
 IEEE 802.3x Flow Control and Back Pressure

#### Connectors and Cabling:

Ethernet Port: 10/100Mbps RJ45  
 - Auto Speed negotiation  
 - Auto MDI/MDI-X  
 - Full/Half Duplex  
 Fibre Port: 100Base-X SC MM

#### Indicator:

Power, Speed (TP), Link / Act (TP & Fibre)

**Transmission Method:**

Store and forward (Default) pass through

**Power:**

Power Consumption: 1.44W

**Power Input:**

12 to 60VDC or 18 to 36VAC (Terminal Block)

Dual power input capable (Redundancy)

## Features

**General:****DIP Switch:**

Link Fault Pass Through (LFP) Enable / Disable

Switch Converter / Pure Converter mode

## Performance

**Operating Distance:**

30KM

## Environment

**Temperature (°C):**

Storage: -40 ~75 °C

Operating: -40 ~ 75 °C

**Humidity (Non-condensing):**

5 ~ 95 %

## Physical Specifications

**Dimensions (W x D x H mm):**

59 x 49 x 36mm

**Weight (g):**

gross weight 260g, Net weight 90g

## Others

**Approval and Compliance:**

FCC Part 15 Subpart B Class A

CE EN 55022 Class A

FCC Part 15 Subpart B Class A,

CE EN 55022 Class A

EN61000-4-2 (ESD) Level 3

EN61000-4-3 (RS) Level 2

EN61000-4-4 (EFT) Level 2

EN61000-4-5 (Surge) Level 2

EN61000-4-6 (CS) Level 2

EN 61000-4-8 (PFMF) Level 1

UL508 (Pending)

EN 50121-4 (Pending)

IEC 60068-2-27

IEC 60068-2-32

IEC 60068-2-6

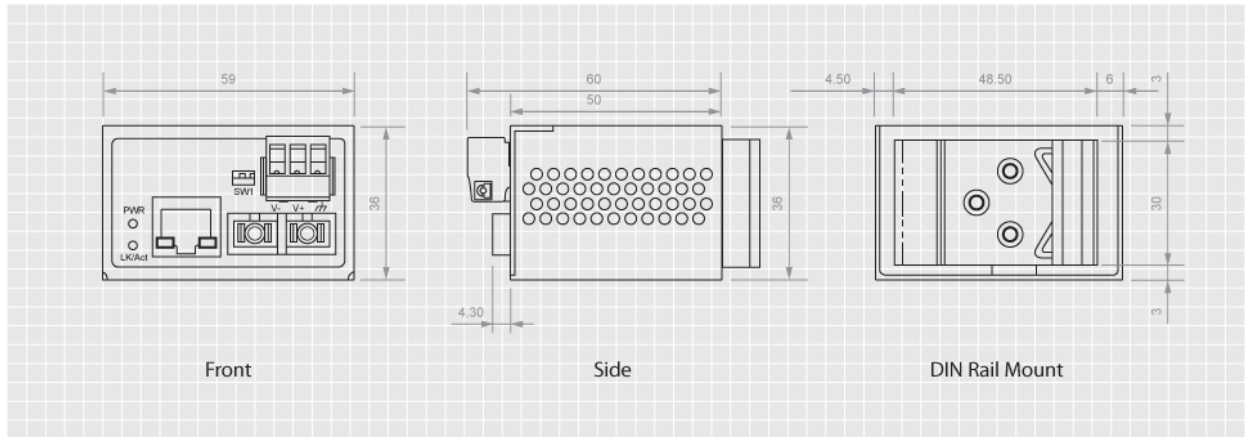
RoHS / REACH

**Deployment:**

Desk, wall and chassis mounted



Unit: mm



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## Order Information

IEC-4301

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## Package Contents

IEC-4301

Quick Installation Guide

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### POW-1212

Industrial Power Adapter, Open Wire Ends, 36W, 12VDC



### POW-4801

48V DC Power Adapter

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