



OInfinity

IEC-1140 10/100 Industrial Media Converter, SC SM 40KM, -10 to 60C

Overview

LevelOne IEC-1140 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.

Safety

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

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.

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.

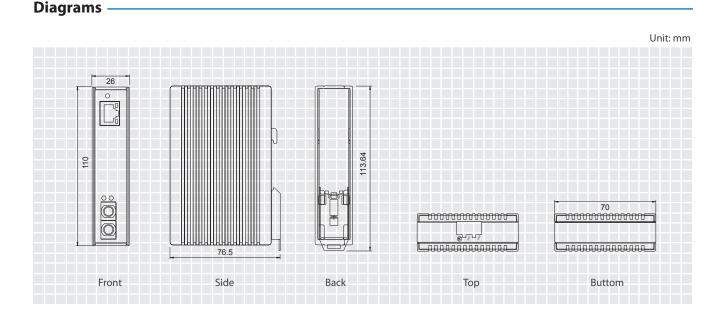
Features

- Provides 1-port 10/100Base-TX plus 1-port 100Base-FX
- 100Base-FX Single-mode fiber for the link up to 40 kilometers
- -10°C to 60°C (14°F to 140°F) and is tested for functional operation @ -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
- IP30 aluminum case

Plug & Play

- Supports DIN-rail mounting installation



Specifications

Technology		Environment	
Standards	■IEEE802.3 10BASE-T,	Operating	-10°C to 60°C (14°F to 140°F)
	IEEE802.3u 100BASE-TX/100BASE-FX, IEEE802.3x	Temperature	Test @ -20°C to 70°C (-4°F to 158°F)
Forward and Filtering Rate	14,880pps for 10Mbps148,810pps for 100Mbps	Storage Temperature	■ -25°C to 85°C (-13°F to 185°F)
Packet Buffer Memory	■384K bits	Ambient Relative Humidity	5% to 95% (non-condensing)
		MTBF	■ 121.40 years
Processing	Store-and-Forward		
Туре	Half-duplex back-pressure and IEEE802.3x full-duplex flow control	Regulatory A	
		ISO	Manufactured in an ISO9001 facility
		Safety	UL60950-1, EN60950-1, IEC60950-1
Power Input Power	 Input Voltage: 12 to 48VDC (Terminal Block) 4.3W Max. 0.3A @ 12VDC, 0.15A @ 24VDC, 	EMI	 FCC Part 15, Class A, VCCI EN61000-6-4 EN55022 EN61000-3-2 EN61000-3-3
Consumption			
Reverse Polarity Protection	0.07A@48VDC Present	EMS	 EN61000-6-2 EN61000-4-2 (ESD Standards) Contact: + / - 6KV Air: + / - 8KV EN61000-4-3 (Radiated RFI Standards) 10V/m, 80 to 1000MHz; 80% AM
Mechanical			
Casing Dimensions	 Plastic case IP30 26mm (W) x 70mm (D) x 110mm (H) (1.02" (W) x 2.76" (D) x 4.33" (H)) 	- E - E - E - E - E - E - E - E - E	3V/m, 1400 to 2000MHz; 80% AM 1V/m, 2000 to 3000MHz; 80% AM - EN61000-4-4 (Burst Standards) Signal Ports: + / - 4.4KV D.C. Power Ports: + / - 4.4KV - EN61000-4-5 (Surge Standards) Signal Ports: + / - 1KV; Line-to-Line D.C. Power Ports: + / - 0.5KV; Line-to-earth - EN61000-4-6 (Induced RFI Standards) Signal Ports: 10Vrms @ 0.15 - 80MHz; 80% AM D.C. Power Ports: 10Vrms @ 0.15 - 80MHz; 80% AM - EN61000-4-8 (Magnetic Field Standards) 30A/m @ 50, 60Hz
Weight	■0.2Kg (0.44lb.)		
Installation	DIN-Rail (Top hat type 35mm) Mounting		
Interface		Environmental Test	 IEC60068-2-6 Fc (Vibration Resistance) 5g @ 10 - 150Hz, Amplitude 0.35mm (Operation/Storage)
Ethernet Port	■ 10/100BASE-TX: 1 port	Compliance Transport) IEC60068-2-27 Ea (Shock) 25g @ 11ms (Half-Sine Shock Pulse; Operation) 50g @ 11ms (Half-Sine Shock Pulse; Storage/Trans FED STD 101C Method 5007.1 (Free fall w/ packag -Tested with Cross Weight and Drop High standard	Transport) IEC60068-2-27 Ea (Shock) 25g @ 11ms (Half-Sine Shock Pulse; Operation)
	■100BASE-FX: 1 port		
LED Indicators	 Per Unit: Power Status (Power1, Power2) Per Port: 10/100TX, 100FX: Link/Activity (Green), Speed (Yellow) 		

Order Information

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Package Contents

IEC-1140 Quick Installation Guide