



Olnfinity

IES-0910 8 FE + 1 MM SC Unmanaged Switch -20 to 60, DIN-rail

Overview

LevelOne IES-0910 Industry Ethernet Switch provides 8 ports of 10/100Base-TX Ethernet plus 1 port 100FX Multimode SC fiber to enable high speed network at mission-critical environment. This device is designed to be mounted on an industry standard DIN-rail, plus the clearly visible status LEDs provide simple monitoring of port link activity.

Cost Effective

This device operates under -20 to 60 Celsius (-4 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.

Reliability

Rugged IP30 rated aluminium housing is designed for industrial applications. With protection against ingress of dirt and solid metal housing to ensure a long-last operating life under harsh environments.

Features

 Provides flexibility of 9 Ethernet ports that configure in combinations of copper and fiber optic interfaces

- Redundant power inputs with Terminal Block or DC Jack

- -20°C to 60°C (-4°F to 140°F) and is tested for functional operation @-30°C to 70°C (-22°F to 158°F)

Redundancy

This redundant power system is designed to meet the challenge of power failure to ensure reliability and constant availability. Single power design works fine in non-critical network applications, but it falls short drastically for network applications in transportation, automate production or banking.

Plug & Play

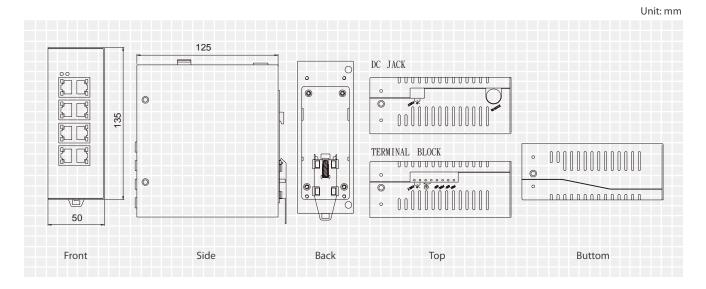
This unmanaged Industrial Ethernet Switch is designed for the demanding industrial environments at businesses in need of instant connectivity with no setup or configure required, truly plug and play.

Safety

With UL60950 standard complied that gives basic protection against electric shock, fire spread from within, ignition and burning, current circuit hazardous under normal and fault condition. As well as set of compliances to meet many EMC, isolation, vibration and shock standards.

- 10/100Mbps-Full/Half-duplex, Auto-Negotiation, Auto-MDI/MDIX
- Complies with IEC61000-6-2 EMC Generic standard immunity for Industrial environment
- Alarms for power failure by relay output

Diagrams



Specifications

Technology			
Standards	IEEE802.3 10BASE-T, IEEE802.3u 100BASE-		
	TX/100BASE-FX, IEEE802.3x		
Forward and Filtering Rate	14,880pps for 10Mbps		
	148,810pps for 100Mbps		
Packet Buffer Memory	 768K bits 		
Processing Type	Store-and-Forward		
	 Half-duplex back-pressure and IEEE802.3x full-duplex flow control 		
Address Table Size	2048 MAC addresses		

Environment				
Operating Temperature	 -20°C to 60°C (-4°F to 140°F) Tested @ -30°C to 70°C (-22°F to 158°F) 			
Storage Temperature	■ -40°C to 85°C (-40°F to 185°F)			
Ambient Relative Humidity	5% to 95% (non-condensing)			
MTBF	■ 53.47 years			

Address Table Size	2048 MAC addresses	Regulatory Approvals		
Size		ISO	 Manufactured in an ISO9001 facility 	
		Safety	■ UL60950-1	
Power				
Input	Input Voltage:	EMI	 FCC Part 15, Class A EN61000-6-3 EN55022 EN61000-3-2 	
	12 to 30VDC (Terminal Block); 12VDC (DC Jack)			
Power	■ 4.8W Max. 0.38A @ 12VDC, 0.2A @ 24VDC		- EN61000-3-3	
Consumption		EMS	 EN61000-6-2 EN61000-4-2 (ESD Standards) 	
Reverse Polarity Protection	Y Y			
Mechanical			3V/m, 1400 to 2000MHz; 80% AM Criteria A	
Casing	Aluminum case		 1V/m, 2000 to 2700MHz; 80% AM Criteria A EN61000-4-4 (Burst Standards) Signal Ports: + / - 4KV; Criteria B D.C. Power Ports: + / - 4KV; Criteria B EN61000-4-5 (Surge Standards) Signal Ports: + / - 1KV; Line-to-Line; Criteria B 	
0	■ IP30			
Dimensions	■ 50mm (W) x 125mm (D) x 135mm (H)			
	(1.97" (W) x 4.92" (D) x 5.31" (H))			
Weight	■ 0.8Kg (1.76lbs.)		D.C. Power Ports: + / - 0.5KV; Line-to-Earth; Criteria - EN61000-4-6 (Induced RFI Standards)	
Installation	 DIN-Rail (Top hat type 35mm), Panel, Rack Mounting 		Signal Ports: 10Vrms @ 0.15 - 80MHz; 80% AM Criteria A D.C. Power Ports: 10Vrms @ 0.15 - 80MHz; 80% AM	
Interface			Criteria A - EN61000-4-8 (Magnetic Field Standards)	
Ethernet Port	■ 10/100BASE-TX: 8, 6 or 4 ports		30A/m @ 50, 60Hz; Criteria A	
	100BASE-FX: 0, 1, 2 or 4 ports	Environmental	 IEC60068-2-6 Fc (Vibration Resistance) 5g @ 10 - 150Hz, Amplitude 0.35mm (Operation/Storage/Transport) IEC60068-2-27 Ea (Shock) 	
LED Indicators	Per Unit: Power Status (Power 1, Power 2)	Test Compliance		
	Per Port: 10/100TX, 100FX: Link/Activity (Green),	Compliance		
			25g @ 11ms (Half-Sine Shock Pulse; Operation)	
Alarm Contact	One relay output with current 1A @ 24VDC	50g @ 11ms (Half-Sine Shock Pulse; Storage/Transport IEC60068-2-32 Ed (Free Fall) 1M (3.281ft.)		

Order Information

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Package Contents IES-0910

IES-0910 Quick Installation Guide