

COInfinity

IES-0522

4 x 802.3af + 1 MM SC Unmanaged Switch -40 to 75C, Desktop

Quick Installation Guide

Overview

LevelOne IES-0522 Industry Ethernet Switch provides 4 PoE ports of 10/100Base-TX plus 1 ports 100FX Multimode SC fiber to enable high speed network at mission-critical environment. The compact metal housing is designed for desktop space saving, plus the clearly visible status LEDs provide simple monitoring of port link activity.

High Reliability

All components are built to withstand harsh environment applications without compromise where humidity, temperature variation and even shock vibration are concerns, including Electric & Utility, Critical Infrastructure, Transportation and Surveillance Security. This device operates under -40 to 75 Celsius (-40 to 167 Fahrenheit) temperature.

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.

v1.00 - 1206

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Features

- Meets NEMA TS1 & TS2 Environmental requirements: temperature, shock, and vibration for traffic control equipment.
- Meets EN61000-6-2 & EN61000-6-4 EMC Generic Standard Immunity for industrial environment.
- Supports IEEE802.3af Power over Ethernet (PoE) Power Sourcing Equipment (PSE).
- Supports IEEE802.3/802.3u/802.3x. Auto-negotiation: 10/100Mbps, Full/Halfduplex, Auto-Negotiation, Auto MDI/MDIX.
- 100Base-FX: Multi/Single mode SC or ST type, 100Base-BX: WDM Multi/Single mode SC type.
- Supports 1024 MAC addresses. Provides 512K bits buffer memory.
- Alarms for power and port link failure by relay output.
 Power Supplies: Redundant 48VDC Terminal Block power inputs and 48VDC DC
- JACK with optional 100-240VAC external power supply.
 Operating voltage and Max. current consumption: 1.5A @ 48VDC. Power consumption: 72W Max
- -40°C to 75°C (-40°F to 167°F) operating temperature range.
- Tested for functional operation @ -40°C to 85°C (-40°F to 185°F)
- Supports Desktop installation

Package Contents

- IES-0522
- Quick Installation Guide
- CD User Manual

LED Status



LED	Status	Description		
PW 1,2,3	Steady	Power On		
	Off	Power Off		
Fault				
FAULT	Steady	Redundant power is failed or not being used		
FAULI	Off	Redundant power is activePort failure is not occurred		
10/100Base-TX or 100Base-FX/BX				
LNK/ACT	Steady	Network connection is established		
LINIV AC I	Flashing	Transmitting or Receiving data		
10/100	Steady	Connection at 100Mbps speed		
10/100	Off	Connection at 10Mbps speed		

Power Input

			Power 3 Power 1 Power 2
Terminal Block	PW1	+	48VDC
		-	Power Ground
	PW2	+	48VDC
		-	Power Ground
rmina	Ð	Earth Ground	
Te	≯	Relay Output	1A @ 24VDC
	2. The relay co	ontact opens if Power ontact opens if the Po Down Detection is er	rt Link is broken

PW3: 48VDC DC Jack Input

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10/100Base-TX Connector

The following lists the pin-out of 10/100Base-TX ports.

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Pin	PoE Port (1 to 4)	Standard Port (5)
1	Output Transmit Data +	Input Receive Data +
2	Output Transmit Data -	Input Receive Data -
3	Input Receive Data +	Output Transmit Data +
4	Positive (VCC+)	NC
5	Positive (VCC+)	NC
6	Input Receive Data -	Output Transmit Data -
7	Negative (VCC-)	NC
8	Negative (VCC-)	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.

WDM 100Base-BX Connection



Only one optical fiber is required to transmit and receive data

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