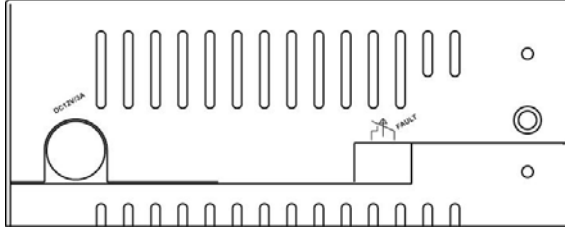
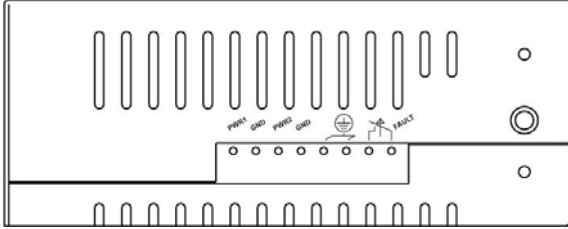


## Industrial Ethernet Switch

This quick start guide describes how to install and use the hardened Ethernet Switch. Capable of operating at temperature extremes of -20°C to +60°C, this is the switch of choice for harsh environments constrained by space.

### Physical Description

#### The Terminal Block and Power inputs



The Terminal Block	
PWR1	Power Input 1 (12 to 30VDC)
GND	Power Ground
PWR2	Power Input 2 (12 to 30VDC)
GND	Power Ground
	Earth Ground
FAULT	The relay opens if PWR1 or PWR2 fails (1A)

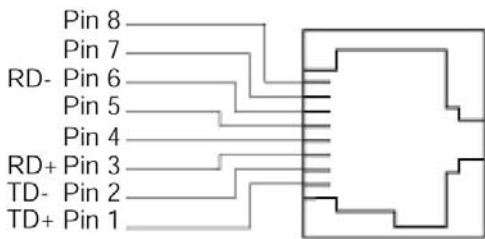
The DC Power Inputs	
12VDC DC JACK	
FAULT	The relay opens if PWR1 or PWR2 fails (1A)

DC Terminal Block Power Inputs: There are two pairs of power inputs can be used to power up this media converter. Redundant power supplies function is supported. You only need to have one power input connected to run the Switch.

#### The 10/100Base-TX and 100Base-FX Connectors

##### The 10/100Base-TX Connections

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

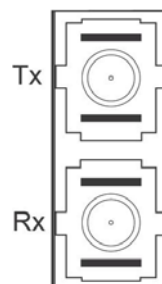


Pin	Regular Ports	Uplink port
1	Output Transmit Data +	Input Receive Data +
2	Output Transmit Data -	Input Receive Data -
3	Input Receive Data +	Output Transmit Data +
4	NC	NC
5	NC	NC
6	Input Receive Data -	Output Transmit Data -
7	NC	NC
8	NC	NC

##### The 100Base-FX Connections

The fiber port pinouts

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.



## Industrial Ethernet Switch

### The Port Status LEDs



LED	State	Indication
<b>10/100TX or 100FX</b>		
<b>LNK/ACT</b> (Green)	Steady	A valid network connection established. LNK stands for LINK.
	Flashing	Transmitting or receiving data. ACT stands for ACTIVITY.
<b>100</b> (Yellow)	Steady	Light solid yellow for a port transferring at 100Mbps.
	Off	The port is transferring at 10Mbps If this LED is dark.

### Functional Description

- Meets IEC61000-6-2 EMC Generic Standard Immunity for industrial environment.
- Support 802.3/802.3u/802.3x. Auto-negotiation: 10/100Mbps, Full/half-duplex; Auto MDI/MDIX.
- 100Base-FX: Multi mode SC or ST type; Single mode SC or ST type; WDM Single mode SC type.
- Support 2048 MAC addresses. Provides 768K bits memory buffer.
- Alarms for power failure by relay output.
- Operating voltage and Max. current consumption: 1.1A @ 12VDC, 0.55A @ 24VDC. Power consumption: 13.2W Max.
- Power Supply: Redundant DC Terminal Block power inputs or 12VDC DC JACK with 100-240VAC external power supply.
- Operating temperature ranges from -20°C to 60°C.
- Supports DIN-Rail, Panel, or Rack Mounting installation.

### Assembly, Startup, and Dismantling

- 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.
- Startup: 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.

