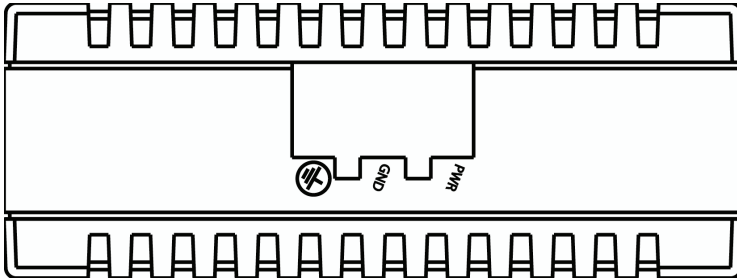



## Industrial Ethernet Switch

This quick start guide describes how to install and use the hardened Ethernet Switch. Capable of operating at temperature extremes of -10°C to +60°C, this is the switch of choice for harsh environments constrained by space.

### Physical Description

#### The Terminal Block and Power input



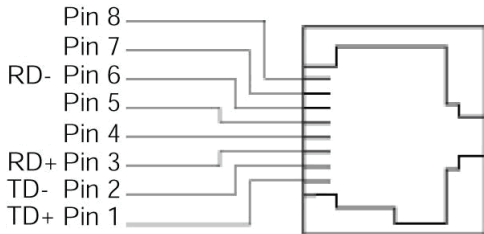
The Terminal Block	
PWR	Power Input
GND	Power Ground
	Earth Ground

DC Terminal Block Power Input: The DC Terminal Block power input can be used to power up this Switch.

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

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

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

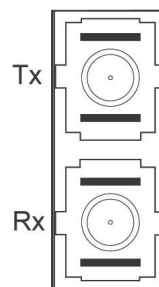


Pin	Regular Ports	Uplink port
1	Output Transmit Data +	Input Receive Data +
2	Output Transmit Data -	Input Receive Data -
3	Input Receive Data +	Output Transmit Data +
4	NC	NC
5	NC	NC
6	Input Receive Data -	Output Transmit Data -
7	NC	NC
8	NC	NC

#### The 100Base-FX Connections

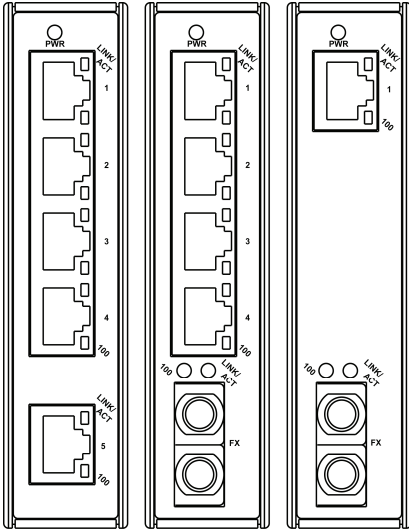
The fiber port pinouts

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>LINK/ACT</b>	Steady	A valid network connection established. LINK stands for LINK.
	Flashing	Transmitting or receiving data. ACT stands for ACTIVITY.
<b>100</b>	Steady	The port is transferring at 100Mbps.
	Off	The port is transferring at 10Mbps If this LED is dark.

### Functional Description

- Complies with 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, 384K bits buffer memory.
- Store-and-forward mechanism.
- Full wire-speed forwarding rate and non-blocking mechanism.
- Broadcast storm filtering.
- Operating voltage and Max. current consumption: 0.2A @ 12VDC, 0.1A @ 24VDC, 0.05A @ 48VDC. Power consumption: 2.4W Max.
- Power Supply: DC Terminal Block power input, 12-48VDC.
- Operating temperature ranges from -10°C to 60°C.
- Plastic compact DIN-Rail industrial case design.

### 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.
- Dismantling: Pull out the lower edge and then remove the switch from the DIN rail.

