

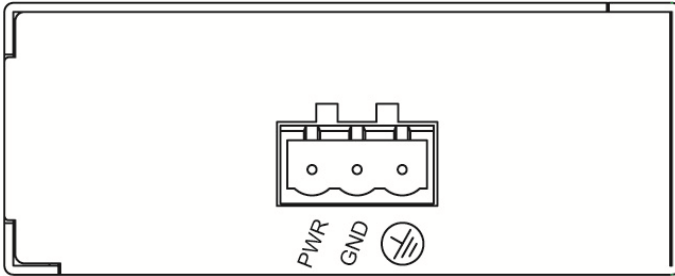
# Quick Start Guide

This quick start guide describes how to install and use the Industrial 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

Important: Note that XSNet Series manuals may cover multiple models. To establish if a particular feature or specification in this manual applies to the unit at hand, consult the datasheet of the given model.



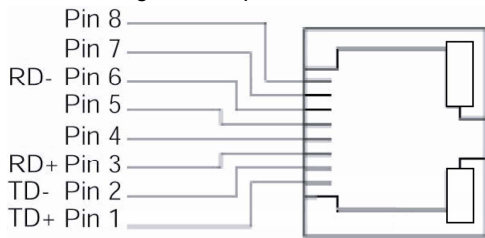
The Terminal Block	
PWR	Power Input
GND	Power Ground
	Earth Ground

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/BX Connectors

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

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

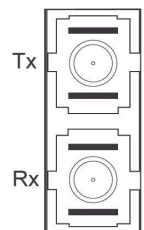


Pin	Regular Ports	Uplink Port
1	Output Transmit Data +	Input Receive Data +
2	Output Transmit Data -	Input Receive Data -
3	Input Receive Data +	Output Transmit Data +
4	NC	NC
5	NC	NC
6	Input Receive Data -	Output Transmit Data -
7	NC	NC
8	NC	NC

#### The 100Base-FX Connections

The fiber port pinouts

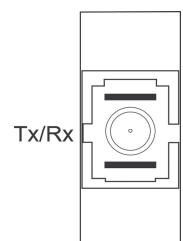
The Tx (transmit) port of device I is connected to the Rx (receive) port of device II, and the Rx (receive) port of device I to the Tx (transmit) port of device II.



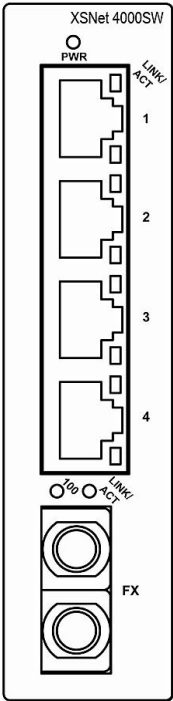
#### The WDM 100Base-BX Connections

The fiber port pinouts

Only one Single mode or Multi mode optical fiber is required to transmit and receive data.



**The Port Status LEDs**



LED	State	Indication
<b>10/100TX or 100FX/BX</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 EN61000-6-2 & EN61000-6-3 EMC Generic standard immunity for industrial environment.
- Supports 802.3/802.3u/802.3x. Auto-negotiation: 10/100Mbps, Full/Half-duplex. Auto MDI/MDIX.
- 100Base-FX: Multi mode/Single mode SC type. 100Base-BX: WDM Single mode SC type.
- Supports 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.
- 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.

