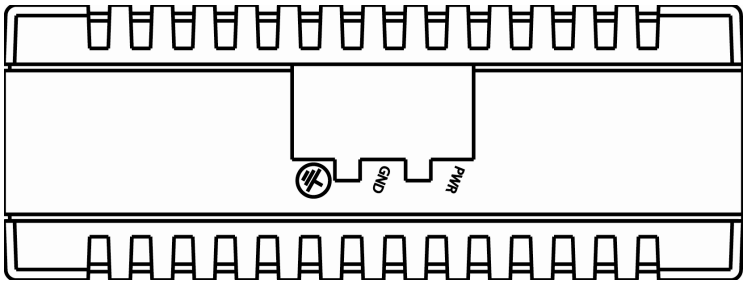
XPress-Pro SW 52000 Quick Start

This quick installation guide describes how to install and use the hardened compact 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



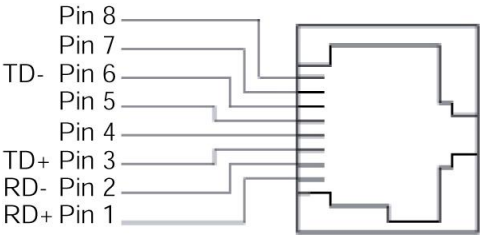
The Terminal Block	
PWR	Power Input
GND	Power Ground
⏚	Earth Ground

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

The 10/100BaseTX and 100BaseFX Connectors

The 10/100BaseTX Connections

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

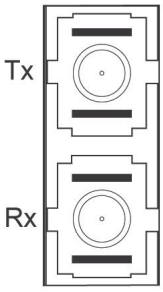


Pin	Regular Ports	Uplink port
1	Input Receive Data +	Output Transmit Data +
2	Input Receive Data -	Output Transmit Data -
3	Output Transmit Data +	Input Receive Data +
4	NC	NC
5	NC	NC
6	Output Transmit Data -	Input Receive Data -
7	NC	NC
8	NC	NC

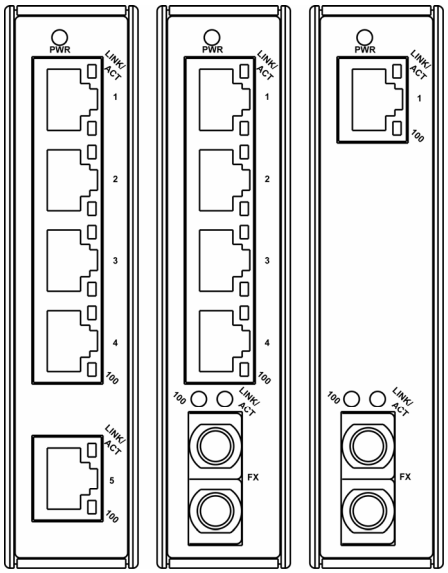
The 100BaseFX Connections

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 Port Status LEDs



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

Functional Description

- Support 802.3/802.3u/802.3x. Auto-negotiation: 10/100Mbps, Full/half-duplex; Auto MDI/MDIX.
- 100BaseFX: Multi mode SC and ST type; Single mode SC or ST type; WDM Single mode SC type.
- Support 2K MAC addresses.
- Store-and-forward mechanism.
- Full wire-speed forwarding rate and non-blocking mechanism.
- Broadcast storm filtering.
- Operating voltage and Max. current consumption: 12VDC @ 0.71A, 24VDC @ 0.37A, 48VDC @ 0.22A. Power consumption: 10.56W Max.
- Power Supply: DC Terminal Block power input, 10-48VDC.
- Operating temperature ranges from -10℃ to 60℃.
- 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.