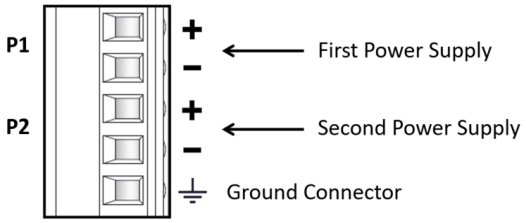
850G-12I & 850G-12PI
Industrial Ethernet Switch
Quick Installation Guide

Version: 2.20

Connecting Power

The 850G 12 ports Series Industrial Ethernet Switch can be powered from two power supplies (input range 12~57 VDC for non-PoE Series, 57 VDC for PoE Series). Two power supplies are in front of the switch.

Insert the positive and negative wires (AWG 20-28) into V+ and V- contacts on the terminal block respectively and use a flat-head screwdriver to push in and open the wire clamp.

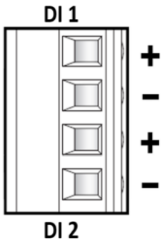


⚠ WARNING

The DC power should be connected to a well-fused power supply.

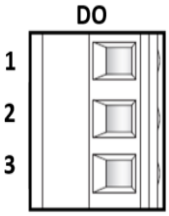
Connecting I/O Ports

There are four terminals on the terminal block for digital inputs.



Pin	Digital Input
DI 1 +	High (+13V to +30V) for "Off"
DI 1 -	
DI 2 +	Low (-30 to +3V) for "On"
DI 2 -	

There are three terminals on the terminal block for digital output.



DO	Factory default
PIN 1 PIN 2	Open
PIN 2 PIN 3	Short

NOTE: DO configuration (Open/Short) can be reversed (Short/Open) from the UI. DO (Alarm Relay) with current carrying capacity of 1A@24VDC.

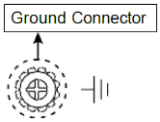
Reset Button



Function	Operation
Reboot	Press and hold the button for less than 5 seconds.
Restore Factory Defaults	Press and hold the button for at least 5 seconds.

Ground Connector

The switch must be properly grounded for optimum system performance.



LED Indicators

The following table explains the LED indicators on the front panel.

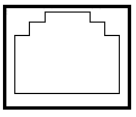
LED	Color	Description
P1	On: Green	Power on.
	Off	Power off.
P2	On: Green	Power on.
	Off	Power off.
ALM	On: Red	One of the two powers is abnormal
	Off	The system is operating normally.
* PoE	On: Green	Over PoE max power budget.
	Off	Below PoE max power budget.
SYS	On: Green	System is ready.
	Blinking	System is booting up.
	Off	No power
1~8 LAN Port Link/Act	On: Green	Ethernet LINK UP at 1000Mbps.
	On: Amber	Ethernet LINK UP at 10/100Mbps.
	Blinking	Ethernet traffic detected.
	Off	Ethernet LINK DOWN.
* PoE	On: Green	PoE PD (Powered Device) connected.
	Off	PoE PD (Powered Device) disconnected.
9~12 SFP Port UPLINK	On: Green	LINK UP at 100/1000Mbps.
	Blinking	Traffic detected.
	Off	LINK DOWN.

NOTE:

" * " Applicable for PoE Switch edition only.

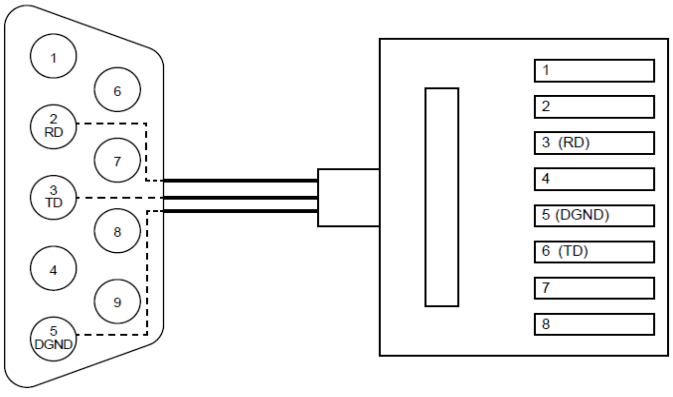
Console Connection

The console port on the front panel is for local management by using a terminal emulator or a computer with terminal emulation software.



- DB9 connector connect to computer COM port
- Baud rate: 115200bps
- 8 data bits, 1 stop bit
- None Priority
- None flow control

To connect the host PC to the console port, a RJ45 (male) connector-to-RS232 DB9 (female) connector cable is used. The RJ45 connector of the cable is connected to the console port of the switch, the DB9 connector of the cable is connected to the PC COM port. The pin assignment of the console cable is shown below:



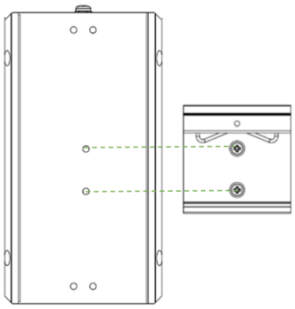
NOTE: The console cable is not included in the package.

P/N: 604040000097

Proscend Communications Inc. All rights reserved.

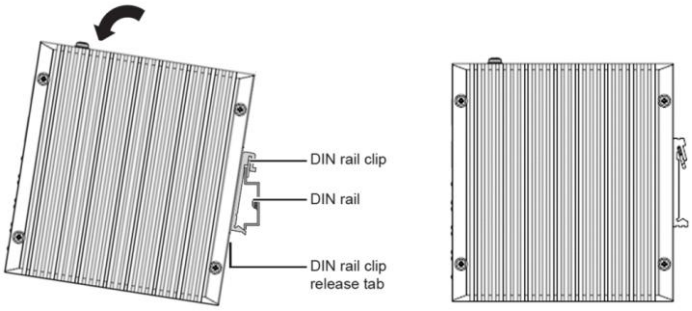
DIN-rail Mounting

STEP 1: Use the screws to install the DIN-rail kit to attach at the rear side of the switch.



NOTE: The type of screw is flat head M3 x 6mm.

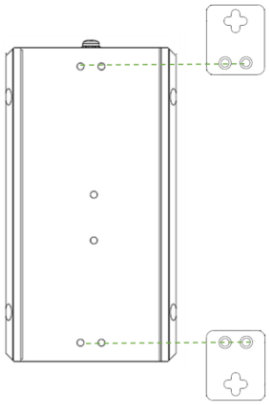
STEP 2: Hook the unit onto the DIN-rail.
STEP 3: Push the bottom of the unit towards the DIN-rail until it locks in place.



NOTE: The DIN-rail-mounting screws are not included in the package.

Wall Mounting

Use the screws to install the wall-mounting kit to attach at the rear side of the switch.



NOTE: For all switches (Non-PoE and PoE Series), the operation of wall mounting is the same
The type of screw is flat head M3 x 6mm.

Web Interface: Connect & Login

1. Factory default IP: **192.168.1.1**
2. Login with default account and password.
   Username: root
   Password: 2wsx#EDC

Cybersecurity Warning

Change the default password immediately upon first login. HTTP and SNMP management services are enabled by default. Disable unused services and interfaces to reduce the attack surface. Use secure protocols such as SSH and HTTPS for remote management whenever possible.

NOTE

Please scan below QR Code to download online resources.
Download link: https://www.proscend.com/en/product/850G-12I.html
https://www.proscend.com/en/product/850G-12PI.html

850G-12I 850G-12PI

P/N: 604040000097

Proscend Communications Inc. All rights reserved.