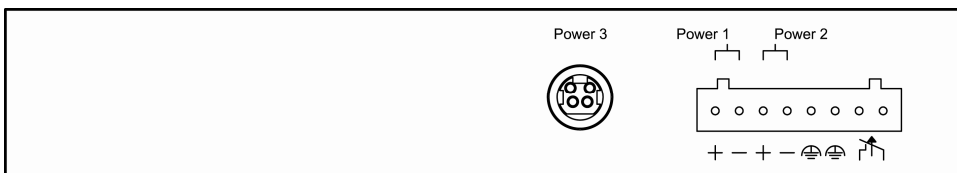
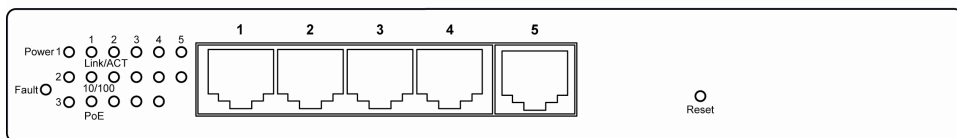
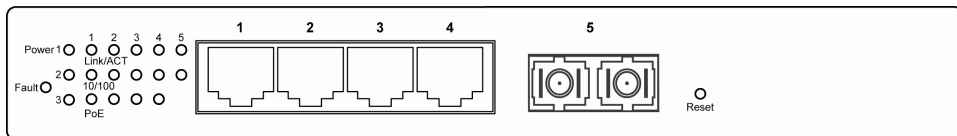


Hardened Web-Smart High Power PoE Ethernet Switch

This quick start guide describes how to install and use the Hardened Web-Smart High Power PoE (Power over Ethernet) Ethernet Switch. This is the switch of choice for harsh environments constrained by space.

Physical Description

The Port Status LEDs and Power Inputs



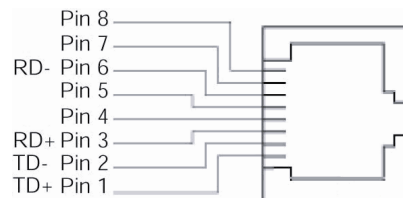
LED	State	Indication
Power1 Power2 Power3	Steady	Power on.
	Off	Power off.
	Flashing	Power redundant system failure occurred.
Fault	Steady	Power redundant system failure is not occurred.
	Off	Power redundant system failure is not occurred.
10/100Base-TX, 100Base-FX/BX		
Link/ACT	Steady	A valid network connection established.
	Flashing	Transmitting or receiving data. ACT stands for ACTIVITY.
10/100	Steady	Valid port connection at 100Mbps.
	Off	Valid port connection at 10Mbps.
PoE	Steady	Powered Device (PD) is connected.
	Off	Powered Device (PD) is disconnected.

Power Input Assignment		
Power3	55VDC	DC Jack
Power2	+	55VDC
	-	Power Ground
Power1	+	55VDC
	-	Power Ground
	Earth Ground	Terminal Block
Relay Output Rating		
Relay Alarm Assignment		
	*Relay warning signal disable for following: 1.The relay contact closes if Power1 and Power2 are both failed but Power3 on. 2.The relay contact closes if Power3 is failed but Power1 and Power2 are both on.	
FAULT		

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

The 10/100Base-TX Connections

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

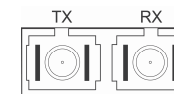


Pin	PoE Ports (Port 1-4)	Non-PoE Port (Port 5)
1	Output Transmit Data +	Output Transmit Data +
2	Output Transmit Data -	Output Transmit Data -
3	Input Receive Data +	Input Receive Data +
4	Positive (VCC+)	
5	Positive (VCC+)	
6	Input Receive Data -	Input Receive Data -
7	Negative (VCC-)	
8	Negative (VCC-)	

The 100Base-FX Connections

The fiber port pinouts

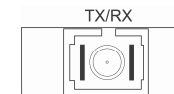
The Tx (transmit) port of device I is connected to the Rx (receive) port of device II, and the Rx (receive) port of device I to the Tx (transmit) port of device II.



The WDM 100Base-BX Connections

The fiber port pinouts

Only one optical fiber is required to transmit and receive data.

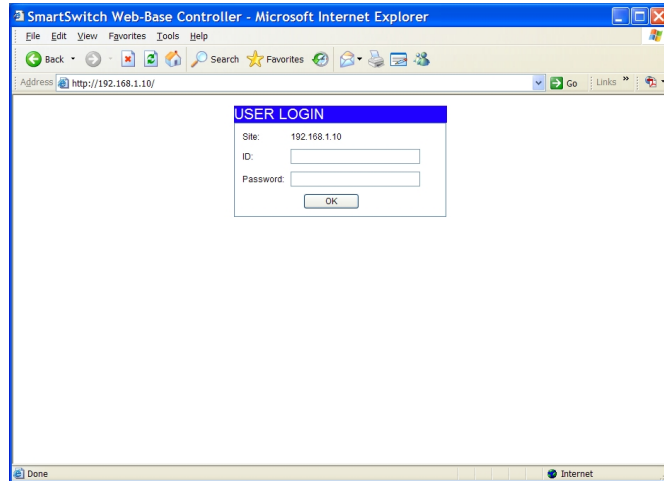


Functional Description

- Meets NEMA TS1/TS2 Environmental requirements such as temperature, shock, and vibration for traffic control equipment.
- Meets EN61000-6-2 & EN61000-6-4 EMC Generic Standard Immunity for industrial environment.
- Manageable via Web browser interface.
- Port 1 – 4 support Power over Ethernet (PoE) Power Sourcing Equipment (PSE).
- High Power PoE design up to 30W.
- Supports 802.3/802.3u/802.3x. Auto-negotiation: 10/100Mbps, full/half-duplex. Auto MDI/MDIX.
- 100Base-FX: Multi mode/Single mode SC or ST type. 100Base-BX: WDM Multi mode/Single mode SC type.
- Supports 1024 MAC addresses. Provides 512K bits memory buffer.
- Alarms for power and port link failure by relay output.
- Power Supply: Redundant 55VDC Terminal Block power inputs and 55VDC DC JACK with optional 100-240VAC external power supply.
- Operating voltage and Max. current consumption: 2.36A @ 55VDC. Power consumption: 130W Max.
- 40°C to 75°C (-40°F to 167°F) operating temperature range. Tested for functional operation @ -40°C to 85°C (-40°F to 185°F).
- Supports Wall and Desktop Mounting installation.

Web Configuration

- Login the switch:
Specify the default IP address (192.168.1.10) of the switch in the web browser. A login window will be shown as below:



- Enter the factory default user name: admin. Enter the factory default password: admin. Then click on the "OK" button to log on to the switch.

