This quick start guide describes how to install and use the Industrial Managed 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
10/100Base-TX, 100Base-FX		
Link/ACT	Steady	A valid network connection established.
	Flashing	Transmitting or receiving data. ACT stands for ACTIVITY.
10/100	Steady	Communication speed is 100Mbps.
	Off	Communication speed is 10Mbps.
10/100/1000Base-TX, 1000Base-SX/LX		
Link/ACT	Steady	A valid network connection established.
	Flashing	Transmitting or receiving data. ACT stands for ACTIVITY.
1000	Steady	Communication speed is 1000Mbps.
	Off	Communication speed is 10/100Mbps.

Power Input Assignment			
Power3		12VDC	DC Jack
Power1	+	12-32VDC	Terminal Block
	−	Power Ground	
Power2			
	+	12-32VDC	
⏚		Earth Ground	

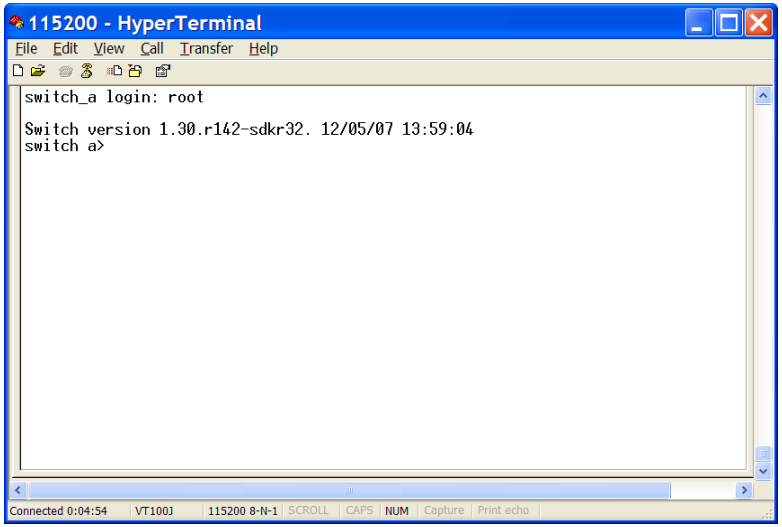
DC Terminal Block Power Inputs: There are two pairs of power inputs can be used to power up this switch. Redundant power supplies function is supported.

Functional Description

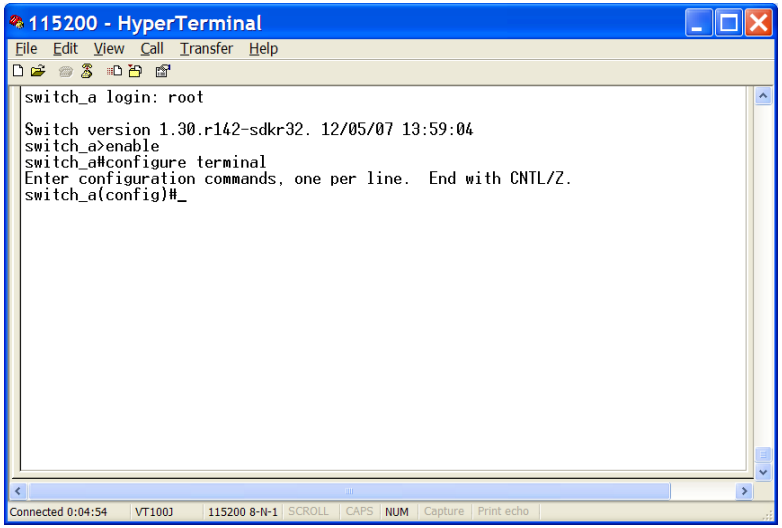
- Meets EN61000-6-2 EMC Generic Standard Immunity for industrial environment.
- Manageable via SNMP, Web-based, Telnet, and RS-232 console port.
- Support 802.3/802.3u/802.3ab/802.3z/802.3x. Auto-negotiation: 10/100/1000Mbps, full/half-duplex; Auto MDI/MDIX.
- 100Base-FX: Multi mode SC or ST type; Single mode SC or ST type; WDM Single mode SC type.
- 1000Base-SX/LX: Multi mode or Single mode SC type; WDM Single mode SC type.
- Support 8192 MAC addresses. Provides 2M bits memory buffer.
- Operating voltage and Max. current consumption: 1.25A @ 12VDC, 0.625A @ 24VDC. Power consumption: 15W Max.
- Power Supply: Redundant DC Terminal Block power inputs or 12VDC DC JACK with 100-240VAC external power supply.
- -10℃ to 60℃ (14℉ to 140℉) operating temperature range.
- Supports Din-Rail, Panel, or Rack Mounting installation.

Console Configuration

- Connect to the switch console:
  Connect the DB9 straight cable to the RS-232 serial port of the device and the RS-232 serial port of the terminal or computer running the terminal emulation application. Direct access to the administration console is achieved by directly connecting a terminal or a PC equipped with a terminal-emulation program (such as HyperTerminal) to the switch console port.
- Configuration settings of the terminal-emulation program:
  Baud rate: 115,200bps
  Data bits: 8
  Parity: none
  Stop bit: 1
  Flow control: none.
- Press the “Enter” key. The Command Line Interface (CLI) screen should appear as below:
- Logon to Exec Mode (View Mode):
  At the “switch_a login:**”** prompt just type in “root” and press <Enter> to logon to Exec Mode (or View Mode). And the “switch_a>” prompt will show on the screen.

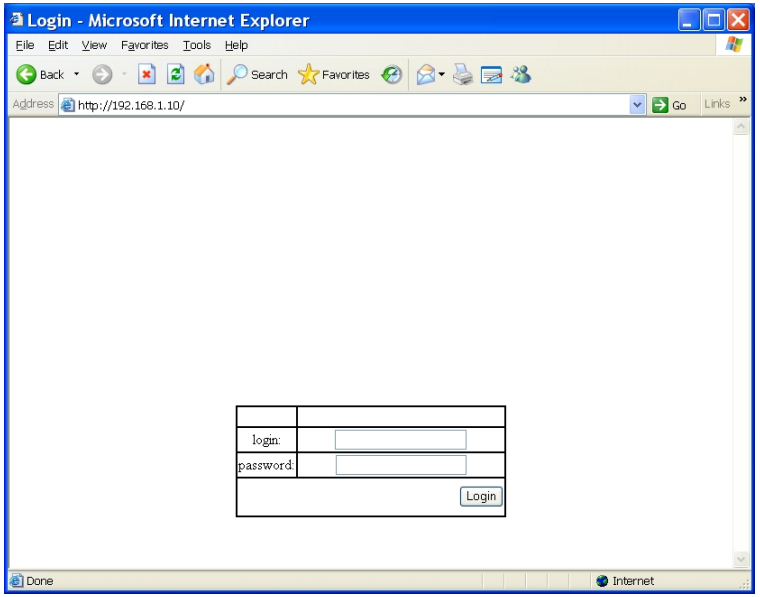


- Logon to Privileged Exec Mode (Enable Mode):
  At the “switch_a>” prompt just type in “enable” and press <Enter> to logon to Privileged Exec Mode (or Enable Mode). And the “switch_a#” prompt will show on the screen.
- Logon to Configure Mode (Configure Terminal Mode):
  At the “switch_a#” prompt just type in “configure terminal” and press <Enter> to logon to Configure Mode (or Configure Terminal Mode). And the “switch_a(config)#” prompt will show on the screen.



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 login ID: root.
  Enter the factory default password (no password).
  Then click on the “Login” button to log on to the switch.