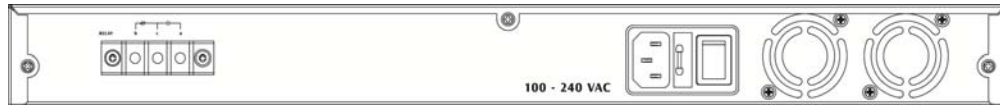


This quick start guide describes how to install and use the Managed PoE (Power over Ethernet) Ethernet Switch.

Physical Description

The Port Status LEDs and Power Inputs



LED	State	Indication
10/100Base-TX		
Link/ACT	Steady	A valid network connection established.
	Flashing	Transmitting or receiving data. ACT stands for ACTIVITY.
10/100	Steady	Connecting at 100Mbps speed.
	Off	Connecting at 10Mbps speed.
PoE	Steady	Power Device (PD) is connected.
	Off	Power Device (PD) is disconnected.
10/100/1000Base-TX, 1000Base SFP		
Link/ACT	Steady	A valid network connection established.
	Flashing	Transmitting or receiving data. ACT stands for ACTIVITY.
1000	Steady	Connecting at 1000Mbps speed.
	Off	Not connecting at 1000Mbps speed.

Functional Description

- RS-232 console, Telnet, SNMP v1 & v2c & v3, RMON, Web Browser, and TFTP management.
- Supports Command Line Interface in RS-232 console.
- Push and hold the reset button for less than 10 seconds: system reboot.
- Push and hold the reset button for more than 10 seconds: reset to default password.
- Supports 8192 MAC addresses. Provides 2M bits memory buffer.
- Supports IEEE802.3af Power over Ethernet (PoE) Power Sourcing Equipment (PSE).
- Supports Max. 15.4W power for each PSE/PoE port.
- Supports IEEE802.3/802.3u/802.3ab/802.3z/802.3x. Auto-negotiation: 1000Mbps-full-duplex, 10/100Mbps-full/half-duplex. Auto MDI/MDIX.
- Provides up to two combo Gigabit SFP ports.
- Store-and-forward mechanism. Full wire-speed forwarding rate.
- Alarms for port and power failure by relay output.
- Power Supply: 100~240VAC, 50~60Hz internal universal PSU.
- Power consumption: 12W Max. (Without PoE).
- Power budget: 195W Max.
- 0°C to 45°C (32°F to 113°F) operating temperature range.
- Supports Rack Mounting installation.

<Note> Make sure to readjust RTC Time of this switch to function accurately after this switch has been powered off for over 72 hours.

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.

```

switch_a login: root

Switch version 1.30.r285-sdkr55. 07/08/08 15:24:33
switch_a>_

```

- 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.
- Set new IP address and subnet mask for Switch:
At the “switch_a(config)#” prompt just type in “interface vlan1.1” and press <Enter> to logon to vlan 1 (vlan1.1 means vlan 1). And the “switch_a(config-if)#” prompt will show on the screen.
Command Syntax: “ip address A.B.C.D/M”. “A.B.C.D” specifies IP address. “M” specifies IP subnet mask. “M”= 8: 255.0.0.0, 16:255.255.0.0, or 24: 255.255.255.0.
For example, At the “switch_a(config-if)#” prompt just type in “ip address 192.168.1.10/24” and press <Enter> to set new IP address (192.168.1.10) and new IP subnet mask (255.255.255.0) for Switch.

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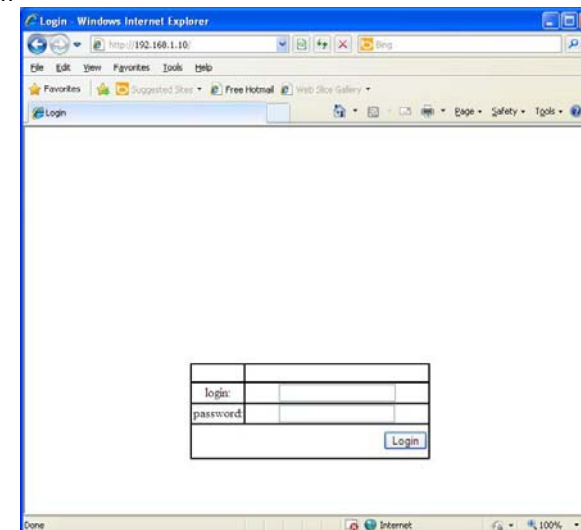
switch_a login: root

Switch version 1.30.r285-sdkr55. 07/08/08 15:24:33
switch_a>enable
switch_a#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
switch_a(config)#_

```

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.

Management Switch

- System
- Diagnostics
- Port
- Switching
- Trunking
- STP/Ring
- VLAN
- QoS
- SNMP
- 802.1X
- LLDP
- Others Protocols

System Information		
System Name	switch_a	
Firmware Version	1.94.2-beta5 09/05/14 14:26:31	
System Time	Tue Jan 13 02:02:48 UCT 2009	
MAC Address	00e0.b355.6677	
Default Gateway	None	
DNS Server	None	

VLAN ID	IP Address	IP Subnet Mask
1	192.168.1.10	255.255.255.0

Current User Information	
Current Username	root
Current User privilege	Admin