20 Port Gigabit + 4 Giga Combo

UTP/SFP Web Smart Switch

Model: 300-7620GE4GC

Active

SIGNAMAX ™
CONNECTIVITY SYSTEMS
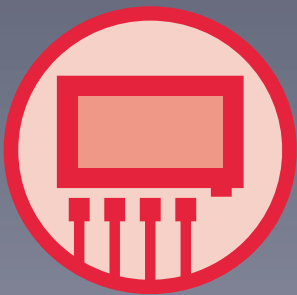
FCC Warning

This device has been tested and found to comply with limits for a Class B digital device, pursuant to Part 2 and 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates and radiates radio frequency energy and, if not installed and used in accordance with the user's manual, it may cause interference in which case users will be required to correct interference at their own expenses.

CE Warning

This is a Class B product. In a domestic environment, this product may cause radio interference in which case the user may be required to take adequate measures.

Introduction

The Switch provides 24 10/100/1000M ports. It was designed for easy installation and high performance in an environment where traffic on the network and the number of user increase continuously. With newest Gigabit chip set, 19" Gigabit Ethernet switch can fully support highest speed without hanging on problem even when Full-Duplex full loaded.

The switch also provides automatic crossover detection functionality on each port. It is simple and friendly to up-link to another switch without crossover cable.

The rack-mount size was specifically designed for medium to large workgroups. The Switch can be installed where space is limited; moreover it provides smooth network migration and easy upgrade to network capacity. The 19" size can be rack-mount on 19" cabinet.

Key Features

- Complies with the IEEE802.3 Ethernet, IEEE802.3u Fast Ethernet and IEEE 802.3ab Gigabit Ethernet Standards
- 24 Port 10/100/1000M Nway (Auto-negotiation) Switch
- 19" inch rack mount size
- Non-blocking & Non-head-of-line blocking full wire speed forwarding
- Store-and-forward operation support
- Embedded 500 KB packet buffer
- Supports 9.6 KB JUMBO packet
- Provides 8K MAC address entry
- Supports broadcast storm filtering
- All ports provide Auto-Negotiation and Auto -MDI/ MDI-X functions
- Supports flow control: Back pressure for Half-duplex and IEEE 802.3x for Full-duplex mode
- Smart plug & play
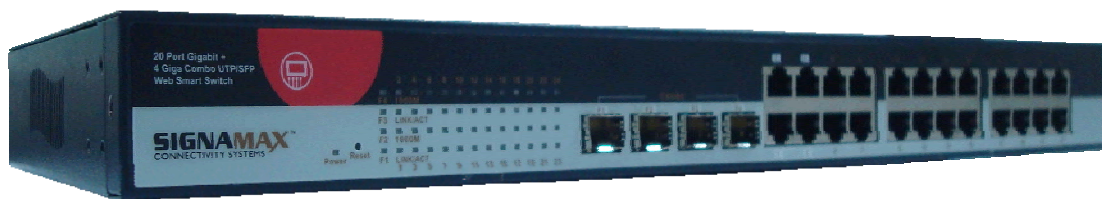
Package Contents

Before you start to install this Switch, please verify your package contain the following items:

- One Gigabit Rack-mount Ethernet Switch
- Rack-mount Kit for Rack Installation
- One AC Power Cord
- One User's Manual

Power Cord
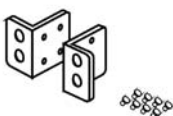
Rack-mount Kit

Note: If any of these items is found missing or damaged, please contact your local supplier for replacement.

Front Panel (LEDs)

LED Indicators of 24 Ports Gigabit Ethernet Switch

LED	Status	Description	No. Of LED
Power	On	Power on	Power
1000M	On	Link 1000Mbps	24 (1~24)
	off	Link 10/100Mbps	
Link/ ACT	On	Link	24 (1~24)
	Flashing	Data activating	24 (1~24)

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Connections

Switch/Hub to this 24 Ports Gigabit Ethernet Switch

This switch provides automatic crossover detection functionality for any port.   It is simple and friendly to up-link to another switch without crossover cable.
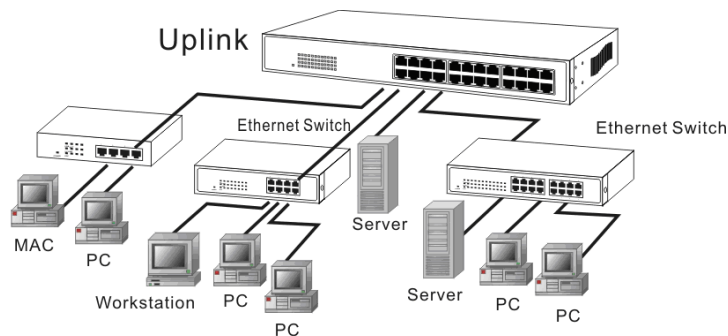
PC/Other devices to this 24 Ports Gigabit Ethernet Switch

Via a twisted pair cable straight through, this switch can be connected to PCs, servers and other network devices.
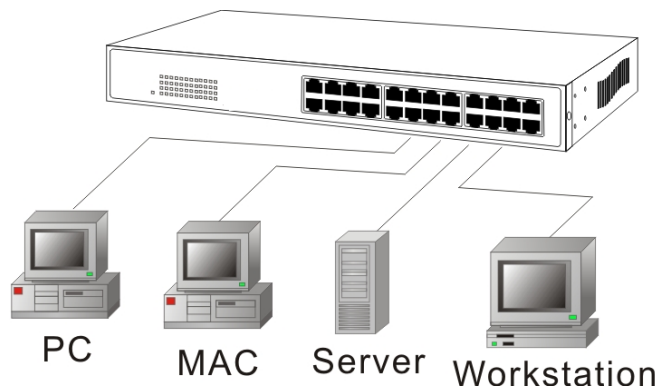
Rear Panel (Power)

AC input

AC input (90~260V/AC, 50~60Hz)

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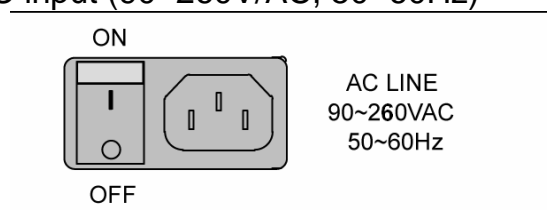
Technical Specifications

Standards	IEEE 802.3 10 BaseT IEEE 802.3u 100BaseTX IEEE 802.3ab 1000BaseT IEEE 802.3x Flow control
Features	Number of Ports: 24 MAC Address: 8K Buffer Memory: 500 KB Jumbo Frames: 9.6 KB Method: Store and Forward
Filtering/ Forwarding Rates	1000Mbps port – 1,488,000pps 100Mbps port – 148,800pps 10Mbps – 14,880pps
Transmission Media	10BaseT Cat. 3, 4, 5 UTP/STP 100BaseTX Cat. 5 UTP/STP 1000BaseT Cat. 5E UTP/STP
LED Indicators	Per Port: LINK/ACT, 1000M Per Unit: Power
Power Requirement	100~240V/AC, 50~60Hz
Power Consumption	25 Watts (Max)
Dimensions	440 x 220 x 44 mm (L x W x H)
Weight	3 kg
Operating Temperature	0 to 55℃
Storage Temperature	-20 to 90℃
Humidity	10 to 90% RH (non-condensing)
Certifications	FCC Class B, CE

Web Smart Switch

Ⅰ. Features Overview

- Supports real-time status (link, speed, duplex) of each port
- Supports port setting for enable or disable operation (the 1st port can't be disabled)
- Supports port setting for N-Way or force mode operation
- Supports Broadcast Storm Protection
- Supports Port-bases VLAN
- Supports priority queues for QoS

Ⅱ. Configure

Please follow the steps to configure this Web Smart switch.

Step 1:
Use a twisted pair cable to connect this switch to your PC.

Step 2:
Set your PC's IP to 192.168.2.xx.

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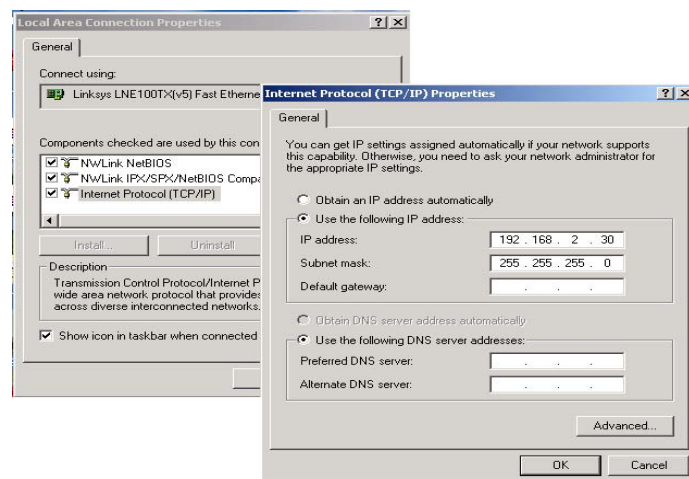
Step 3:

Open the browser (like IE…) and go to http:// 192.168.2.1
You will see the login screen as below:
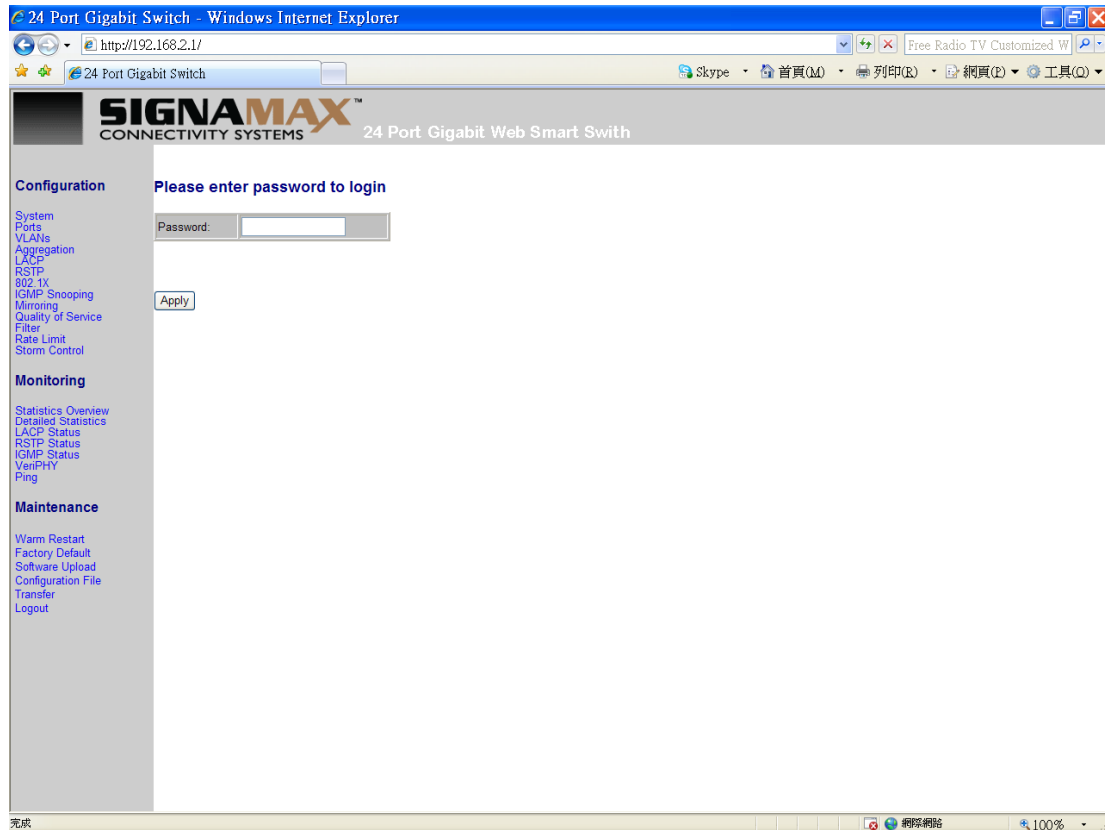
Please key in the password to pass the authentication.

Password: admin

After the authentication procedure, the switch can be used now.

Step 4:

On the home page, select the configuration by clicking the icon as below:
- **Configuration**
- **Monitoring**
- **Maintenance**

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- Logout

Configuration: System Configuration

It shows system status, such as: MAC address, system firmware version and so on.

You can change the user name, the password and IP address, and click "Apply" to confirm the new change.

Afterwards, you can reset the switch by turning off and turning on it to take the new user name, the password and IP address effectively.
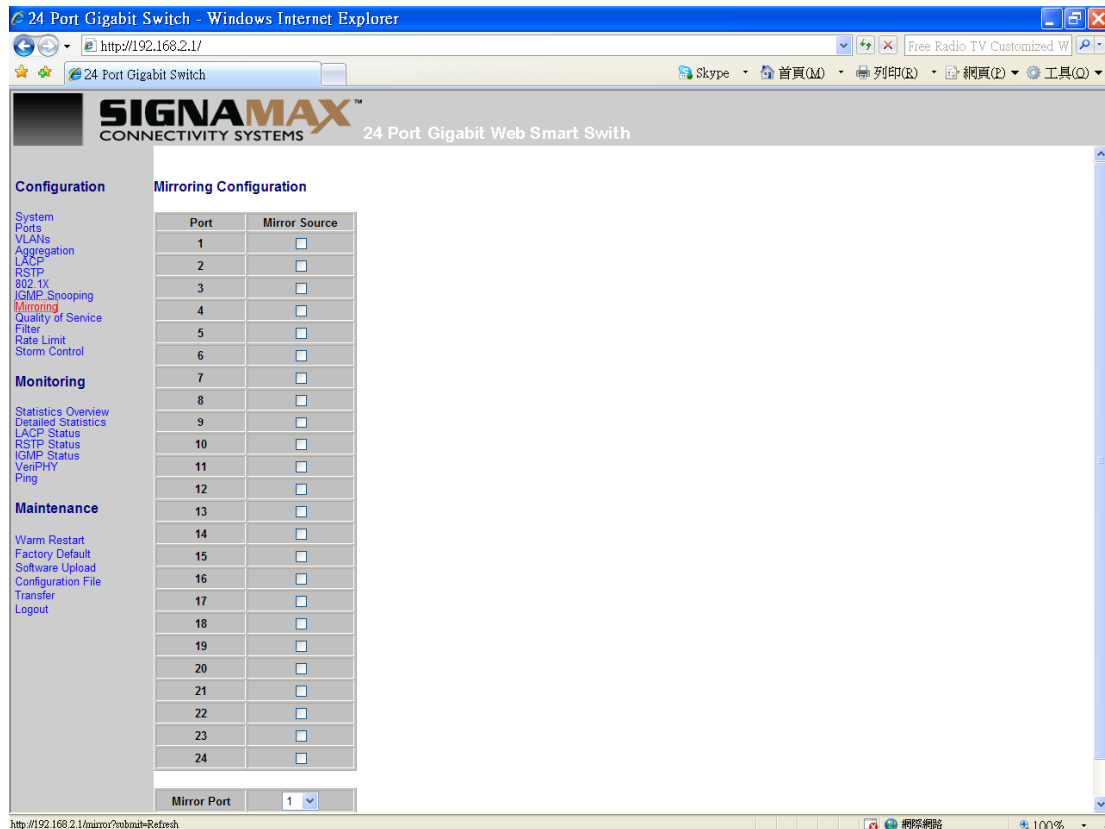
Configuration: Port Configuration

You can enable or disable Jumbo Frames by clicking the checking box.

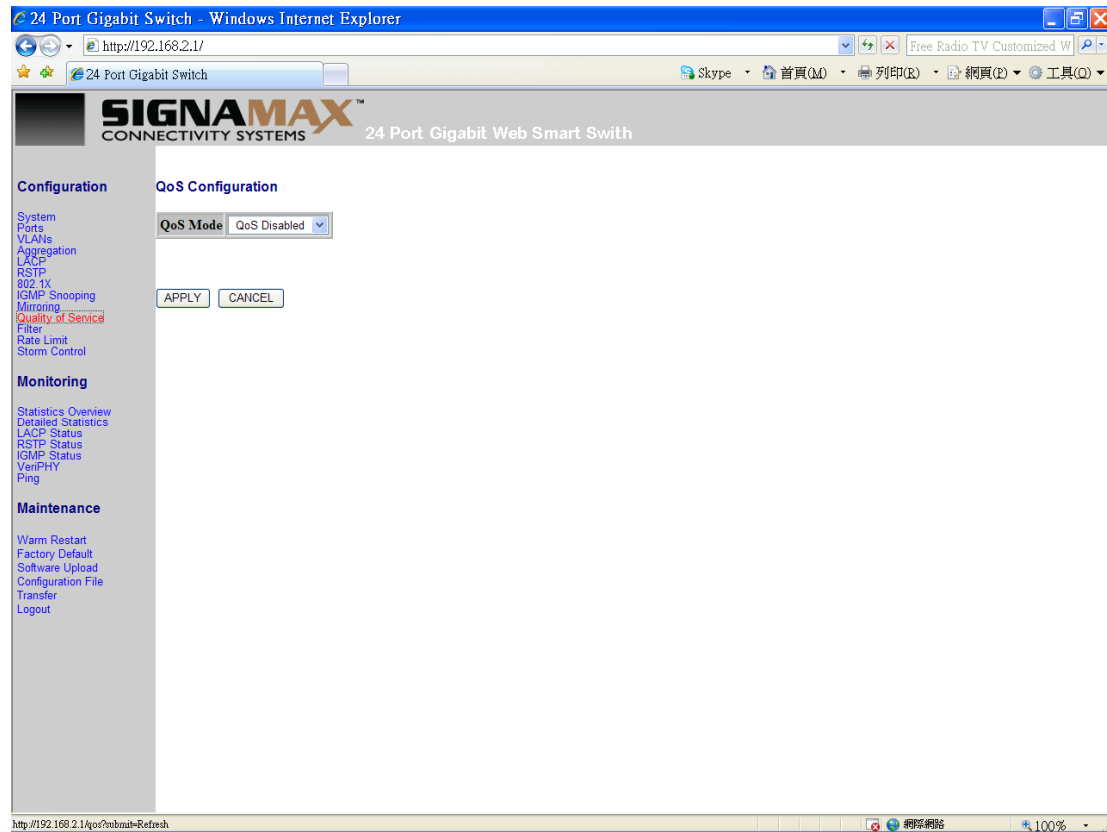Select the "Port no." which you want to configure the mode below,
- Auto speed
- enable/disable the port
- 10M/100M/1000M
- full/half-duplex
- enable/disable flow control

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Configuration: VLAN Configuration

There are 16 VLAN groups.

Select and add a group into "VLAN ID" and then click the port number which you want to put into the selected VLAN group.

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Configuration: Aggregation/Trunk Configuration
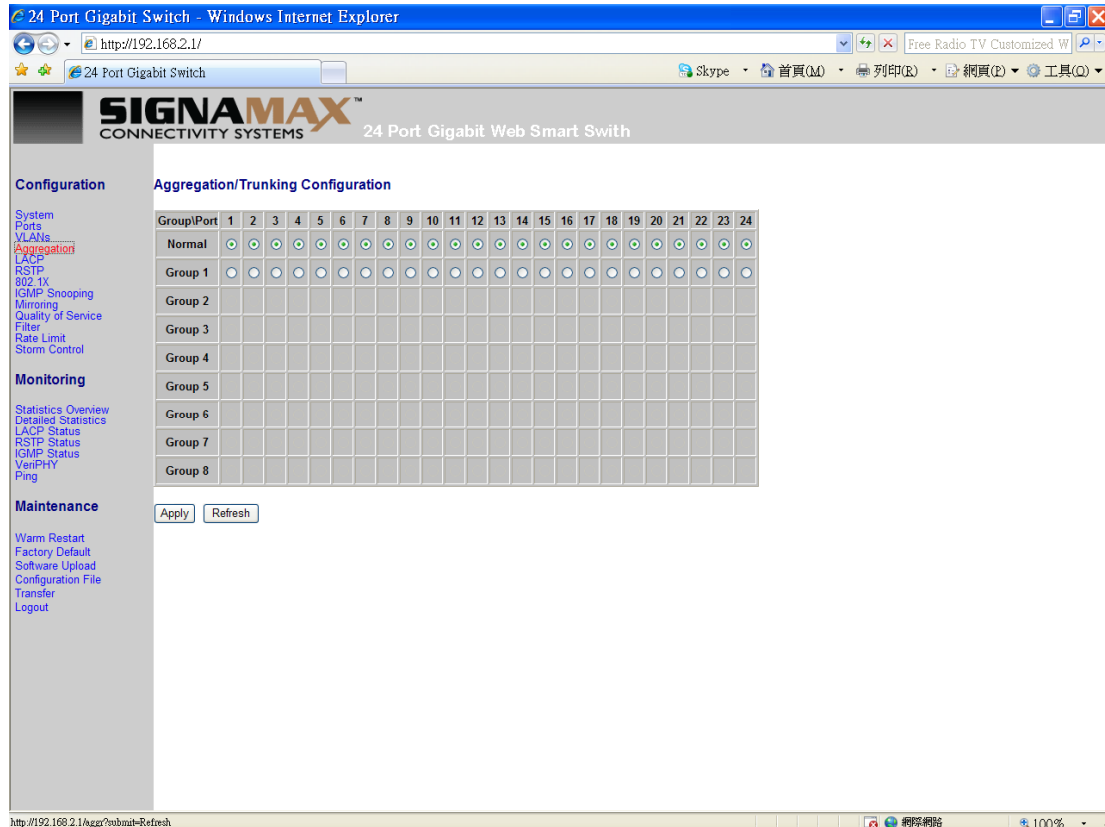
Set up port trunk groups and then click the port number you want to include into the same group.

There are eight groups to choose and the maximum for one group is 24 ports.

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Configuration: LACP Port configuration

Select the port number which you want to enable/disable its protocol.

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Configuration: RSTP Configuration

Select the port number which you want to enable/disable its protocol.

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Configuration: 802.1x Configuration

Select the "Port no." which you want to configure the mode below,
- Auto
- Force Authorized
- Force Unauthorized

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Configuration: IGMP Configuration
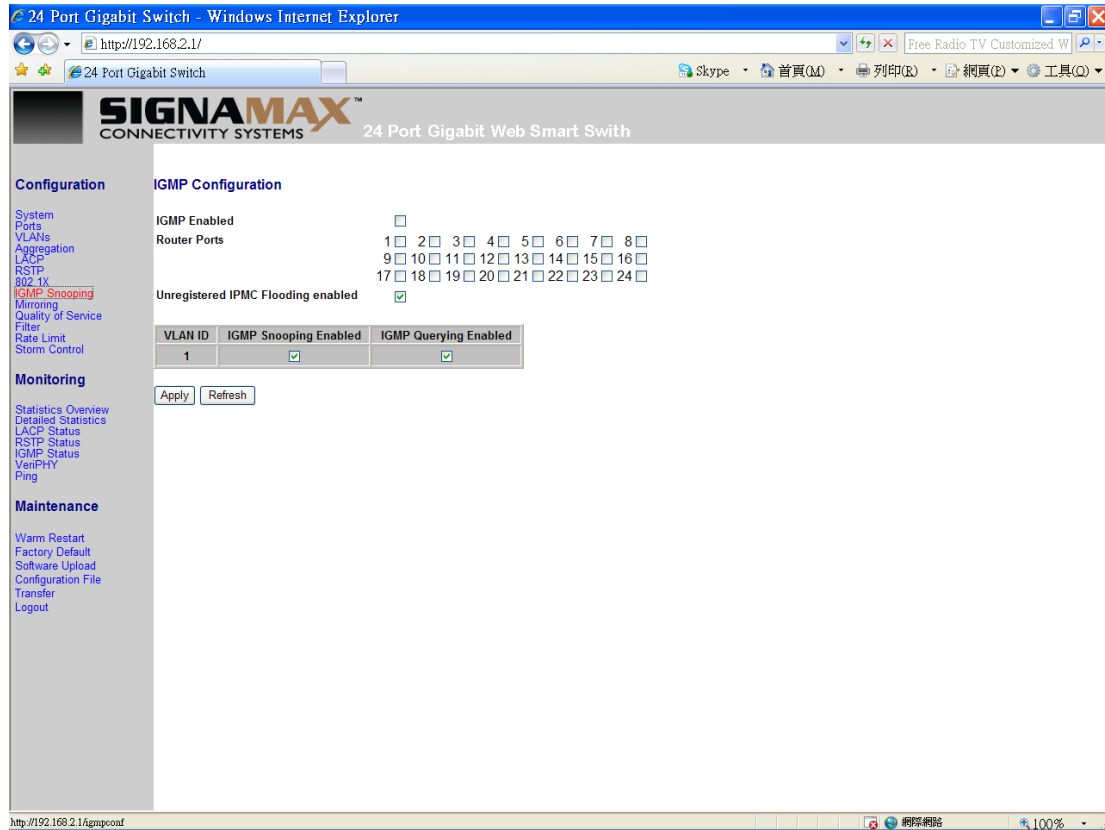
You can enable or disable IGMP by clicking the checking box.
Select the "Port no." which you want to configure the mode.

Configuration: Port Mirror configuration

Port Mirroring is for mirror the traffic from Source port to Destination port.

Select the Destination port from port 1 to port 24, and then select the Source port by clicking the checking box of each port.

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Configuration: QoS Configuration

You can enable or disable QoS by clicking the checking box. If you enable QoS, you can select the class of service for each port.

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Configuration: Filter Configuration

Select the "Port no." which you want to configure the mode to enable/disable filtering IP address.

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Configuration: Rate Limit Configuration

Select the "Port no." which you want to configure the mode of the speed.

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Configuration: Storm Control configuration

You can set up storm control by configuring the modes.

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Monitoring: Statistics Overview for All Ports

You can read statistics for all ports.

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Monitoring: Detailed Statistics

You can have detailed statistics of each port by clicking the port number.

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Monitoring: LACP Status

You can read LACP status for LACP ports.

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Monitoring: RSTP Status

You can read RSTP status for RSTP ports.

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Monitoring: IGMP Status

You can read IGMP status for IGMP ports.

Monitoring: VeriPHY Cable Diagnostics

You can read VeriPHY cable status for all ports which you want to check by clicking the port number and the mode.

Monitoring: Ping Parameters

You can set target IP address by setting the mode which you want.

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Monitoring: Warm Restart
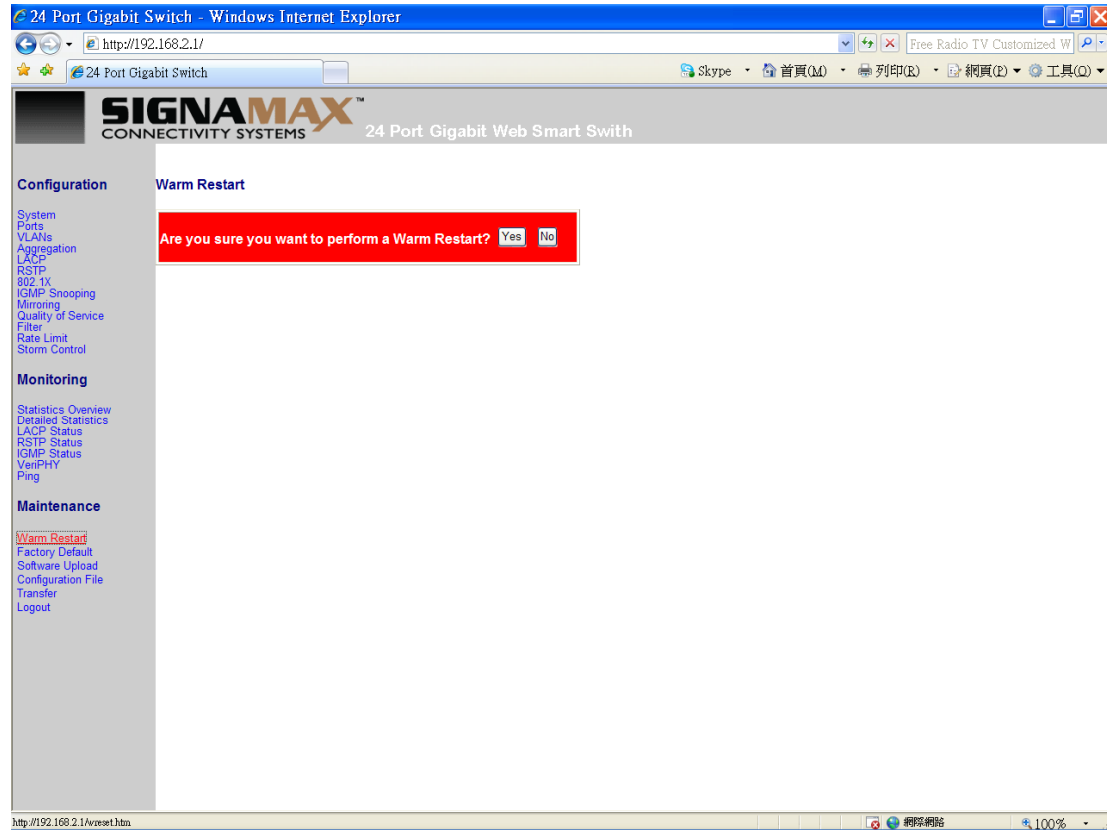
You can select yes/no to do the warm restart, and then the new settings will change according to your selection.

Maintenance: Factory Default
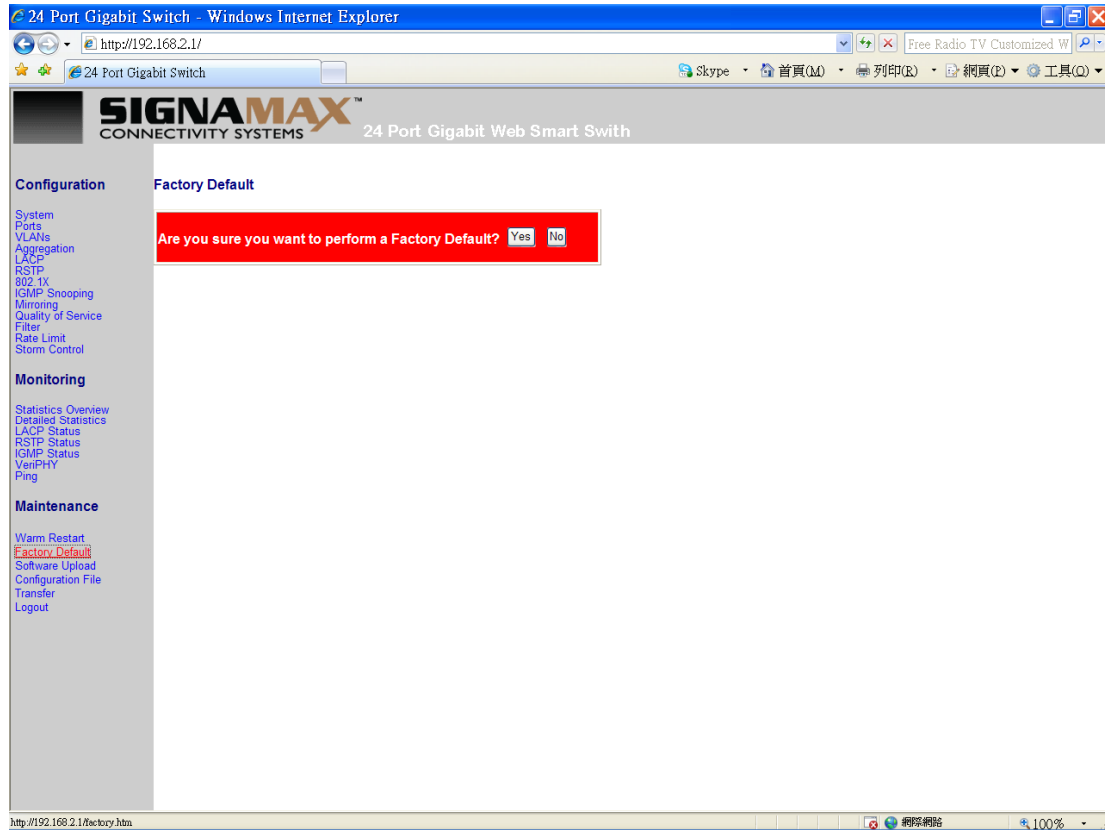
You can select yes/no to perform a Factory Default, and then the new settings will change according to your selection.

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Maintenance: Software Upload
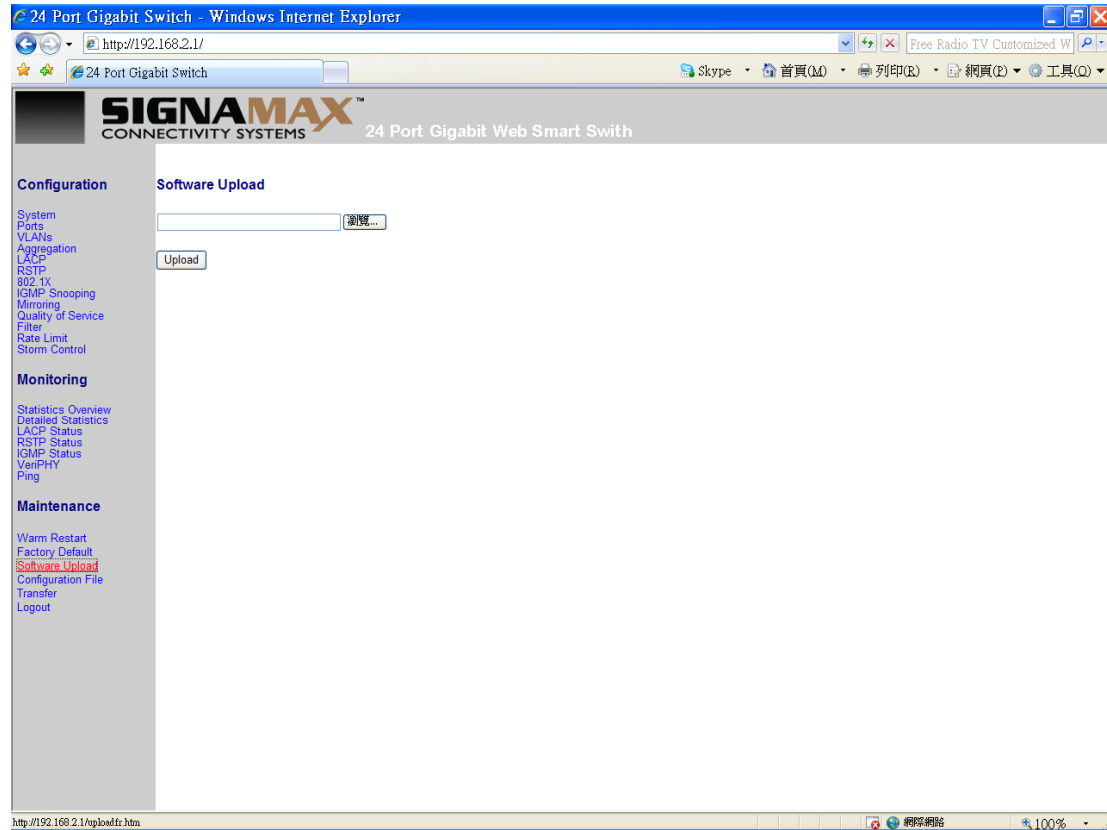
Follow the instruction on the screen to upload the new software.

Maintenance: Configuration Upload
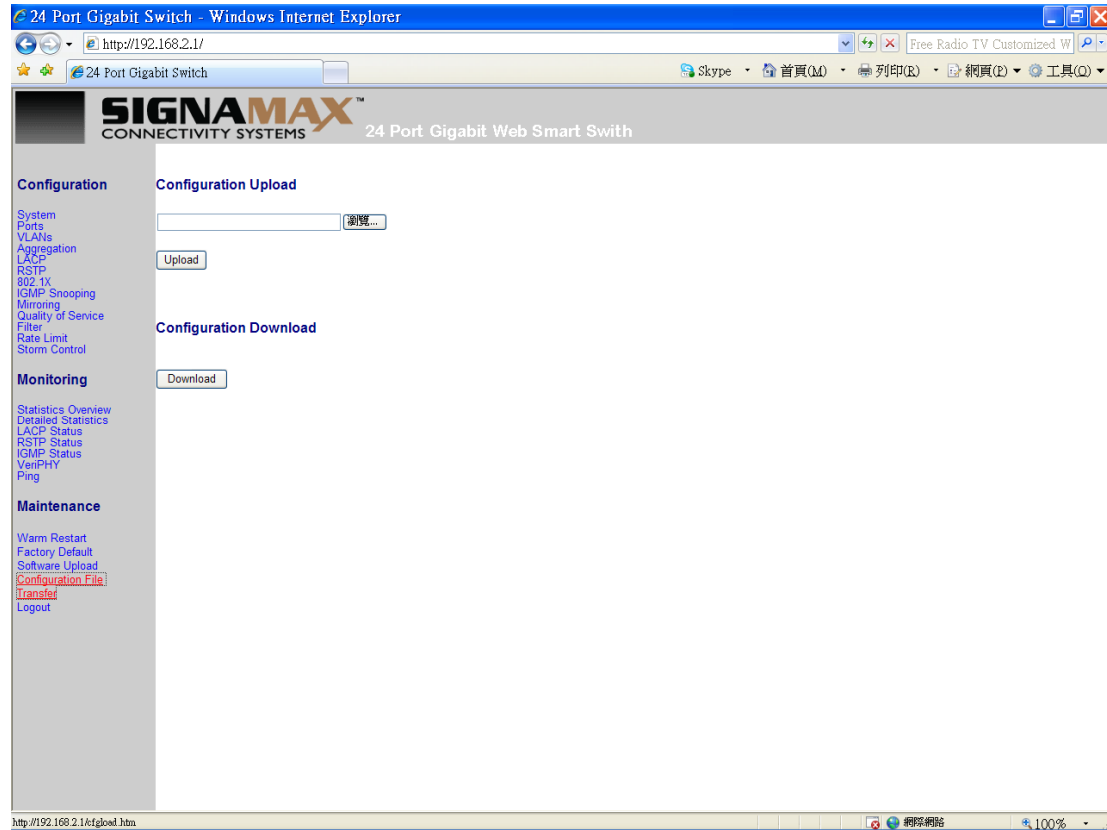
Follow the instruction on the screen to upload and download the configuration.

Logout

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When you forgot your IP or password, please use the reset button for the factory default setting?

Please take the following steps to reset the Web Smart Switch back to the original default:

Step 1:

Turn on the Web Smart Switch

Step 2:

Press and hold the reset button continuously for 15 seconds and release the reset button.

Step 3:

The switch will reboot for 20 seconds and the configuration of switch will back to the default setting.

Please enter password to login

Password: [   ]

[Apply]

Key in the password to pass the authentication; the user password is "admin".

> IP: 192.168.2.1
> Password: admin