MultiCo EW-7242iW

**24 Port 10/100
+ 2 Combo Gigabit UTP/SFP
Web Smart Switch**

User's Manual

Web Smart Switch 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.
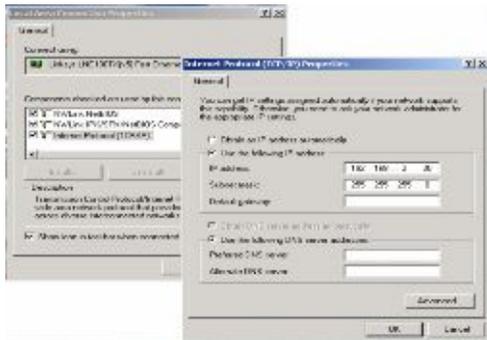
Step 3: Open the web browser (like IE…), and go to 192.168.2.1
Then you will see the login screen.
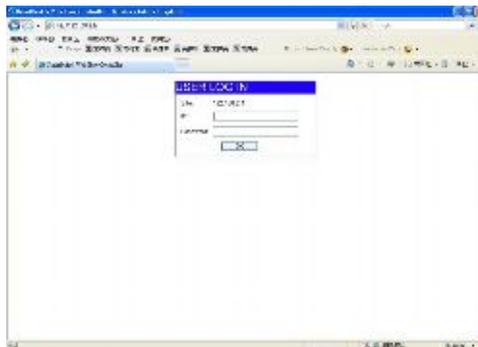
ID and the password: admin

Step 4: After the authentication procedure, the home page shows up.
Select one of the configurations by clicking the icon.

- Administrator
- Port Management
- VLAN Setting
- Per Port Counter
- Trunk Setting
- QoS Setting
- Security Filter
- Configuration Backup/Recovery
- Miscellaneous
- Logout

Administrator: Authentication Configuration
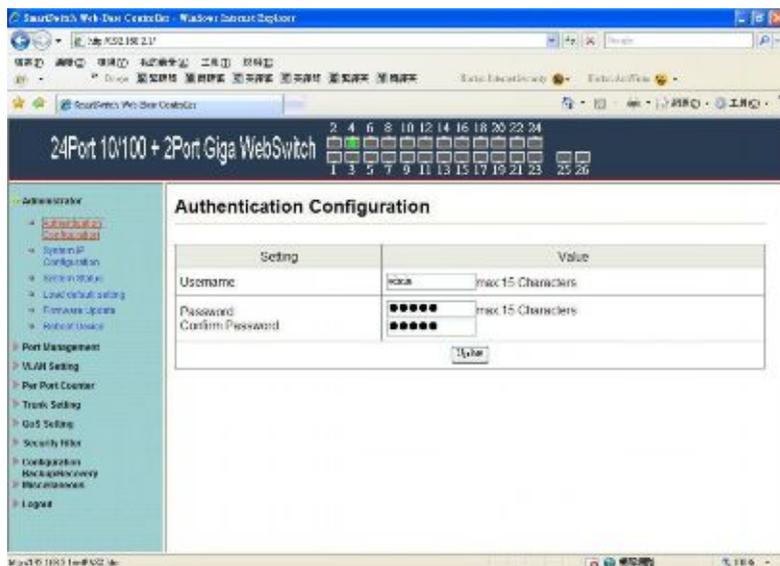
1. Change the user name and the password.

2. Click "Update" to confirm the new change.

3. Turn off the power and reset this switch.

4. After resetting, turn on the switch for the new change.

Now, you can use the new user name and the password.

Administrator: System IP Configuration
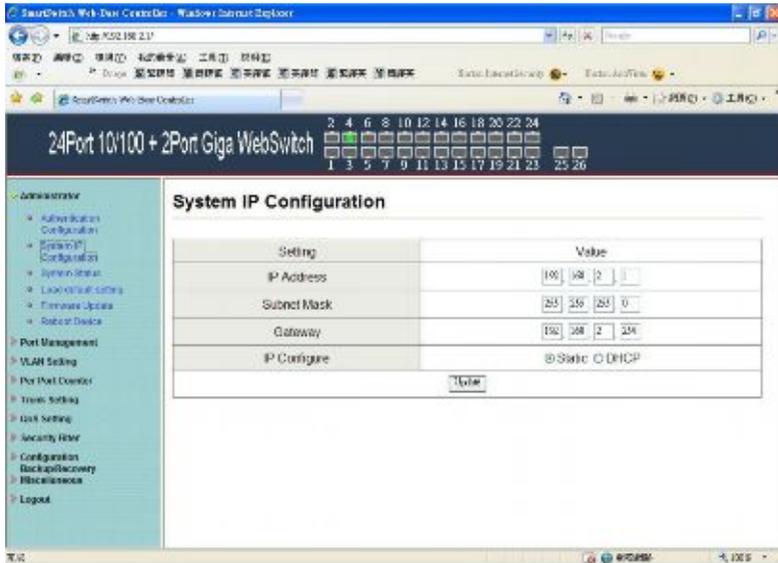
1. Change the IP address: type the new IP address or select DHCP IP configuration.

2. Click "Update" to confirm the new change.
   "Setting Process OK!!" will be shown on the screen.

3. Turn off the power and reset this switch.

4. After resetting, turn on the switch for the new change.

Now, the setting of "System IP Configuration" is finished.

Administrator: System Status

MAC address and system version will be shown on the screen.

1. Change the new comment of this switch by typing the new comment.

2. Click "Update" to confirm the new change.

Administrator: Load Default Setting
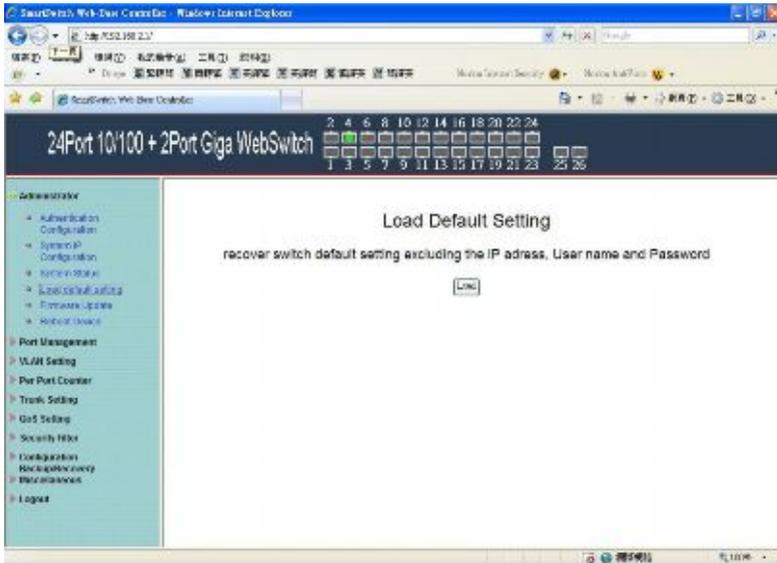
1. Click "Load" to back to the factory default setting.

2. Turn off the power and reset this switch.

3. After resetting, turn on the switch for the new change.

Now, the default is loaded.

Administrator: Firmware Update
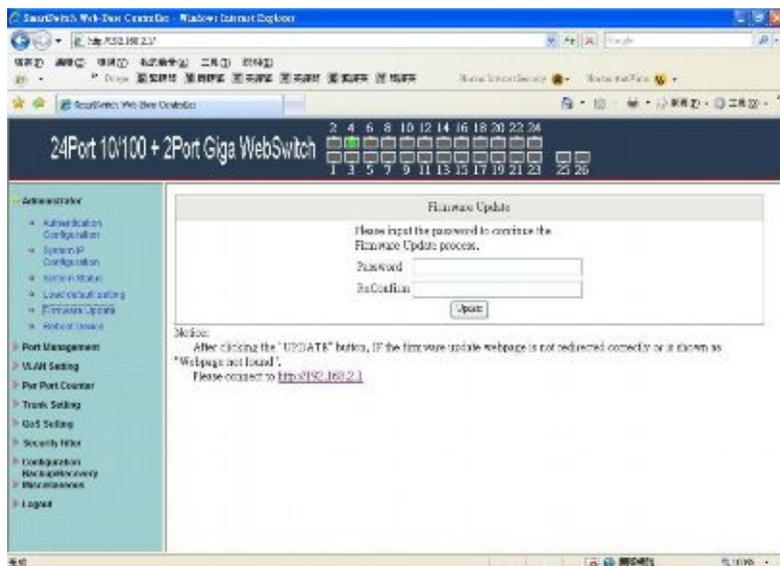
Follow the instruction on the screen to update the new firmware.

Please contact with your sales agents to get the latest firmware information.

Administrator: Reboot Device
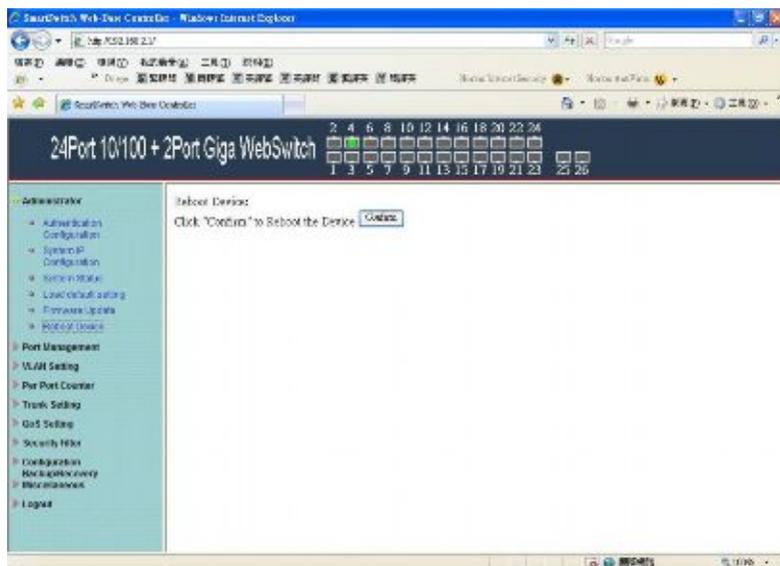
1. Click "Confirm" to reboot the device.

Now, the setting of "Reboot Device" is confirmed.

Port Management: Port Configuration
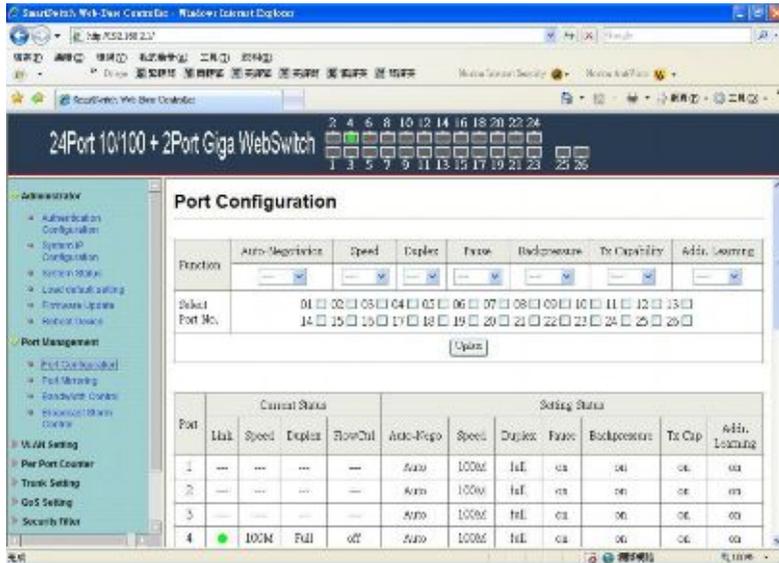
Select the "Port No." - configure the mode below:

1. "Auto-Negotiation" - enable/disable this function of the port.

2. "Speed" - select the 10M or 100M mode of the port.

3. "Duplex" - select the port is full or half-duplex mode.

4. "Pause" - enable/disable the port.

5. "Backpressure" - enable/disable the backpressure of the port.

6. "Tx Capability" - enable/disable TX capability of the port.

7. "Addr. Learning" - enable/disable this function of the port.

Port Management: Port Mirroring
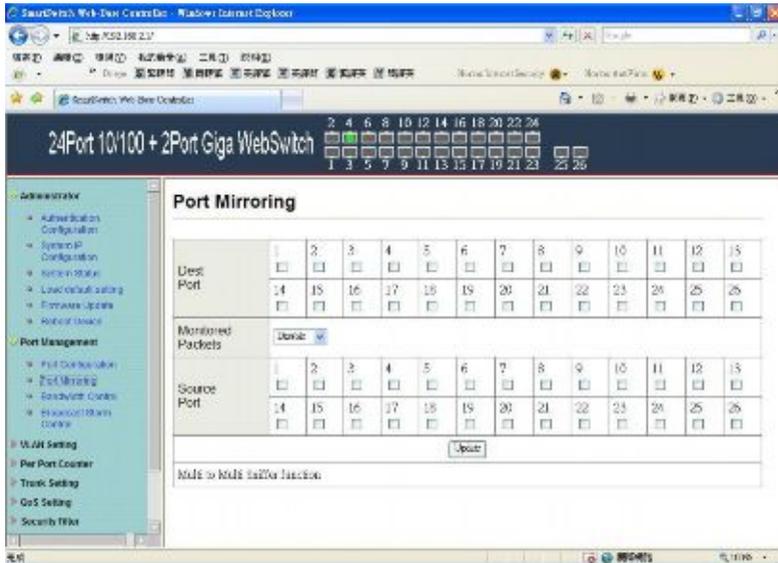
Port Mirroring is used to mirror traffic, RX, TX or TX&RX, from Source port to Destination port for analysis.

1. Select the Destination port: you can choose port 1 to port 26

2. Select the Source port: by clicking the checking box of the port.

3. Click "Update" to save the setting.

Now, the setting of "Port Mirroring" is finished.

Port Management: Bandwidth Control
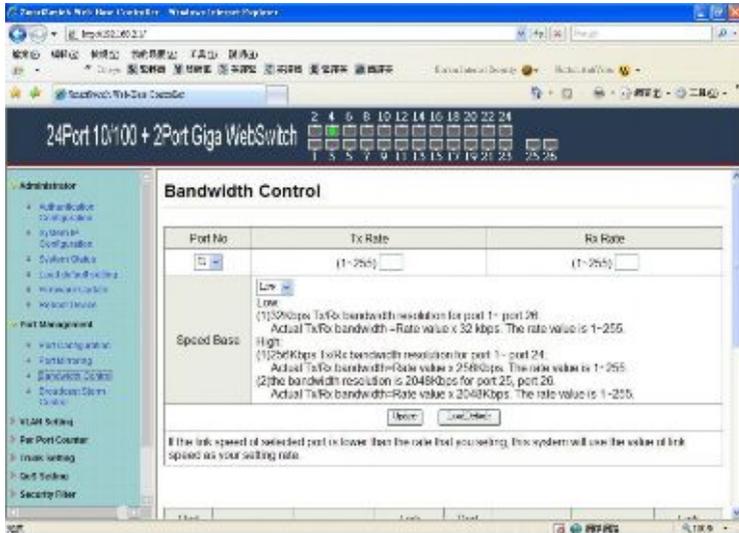
1. Select the "Port No.": you can choose port 1 to port 26

2. "TX Rate": set the different transmission rate of this selected port and choose the speed from 1~255 based on two speed levels.

3. "RX Rate": set the different receiving rate of this selected port and choose the speed from 1~255 based on two speed levels.

4. Click "Update" to confirm the setting.

Now, the setting of "Bandwidth Control" is finished.

Port Management: Broadcast Storm Control
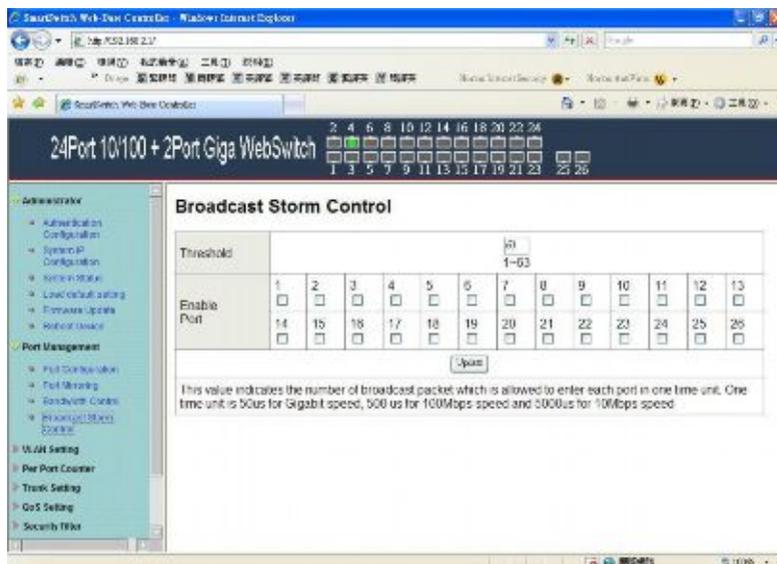
1. Set the threshold of per port to define the status of broadcast packets.

2. Click "Update" to confirm the setting.

Now, the setting of "Broadcast Storm Control" is finished.

VLAN Setting: VLAN Mode

There are two VLAN modes : Port Based VLAN and Tagged VLAN.

1. Click "Change VLAN mode" to select the mode.

Now, the setting of "VLAN Mode" is finished.

VLAN Setting: VLAN Member Setting (Port Based)
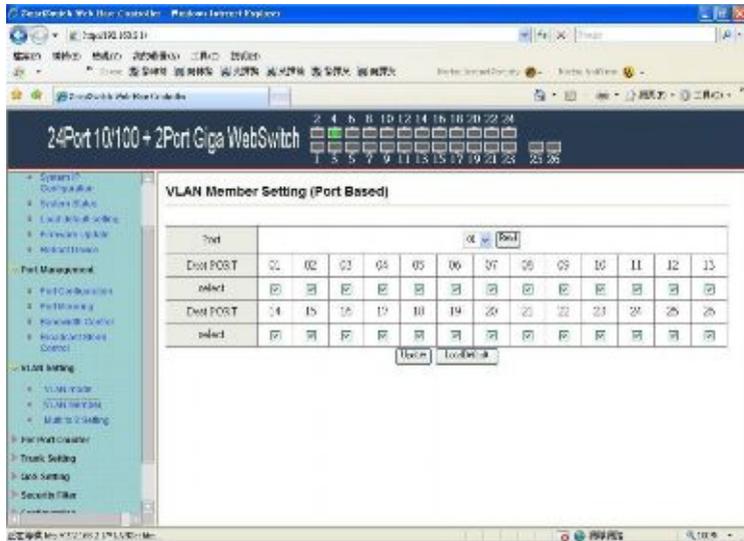
You can select a port group.

1. Click the port numbers: which you want to put them into the selected VLAN group.

2. Click "Update" to confirm and finish the setting.

3. Click "LoadDefualt" to back to the original factory setting.

Now, the setting of "VLAN Mode" is finished.

VLAN Setting: Multi to 2 Setting
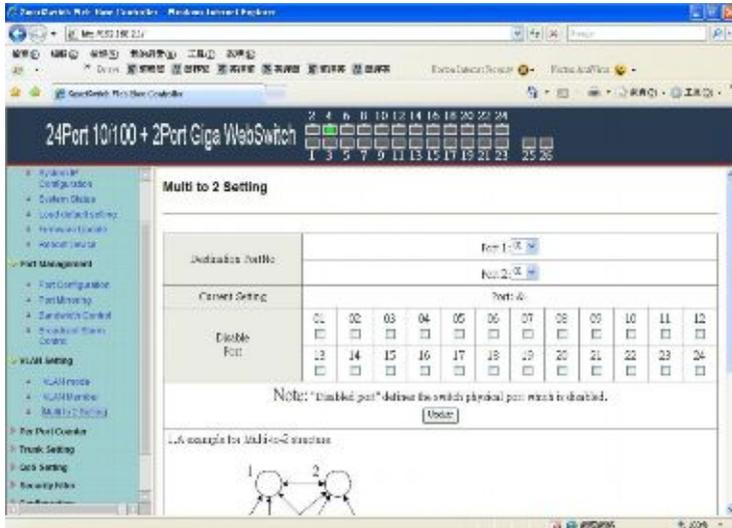
This is a special design for easily setting the switch VLAN into "VLAN Per Port".

1. Choose "Destination Port No".

2. Choose "Disable Port"

3. Click "Update" to confirm and finish the setting.

After this setting, all ports can only connect to the destination port.

Per Port Counter: Counter Category

You can read the transmitting and receiving packet of the connecting port.

Trunk Setting: Trunk Configuration
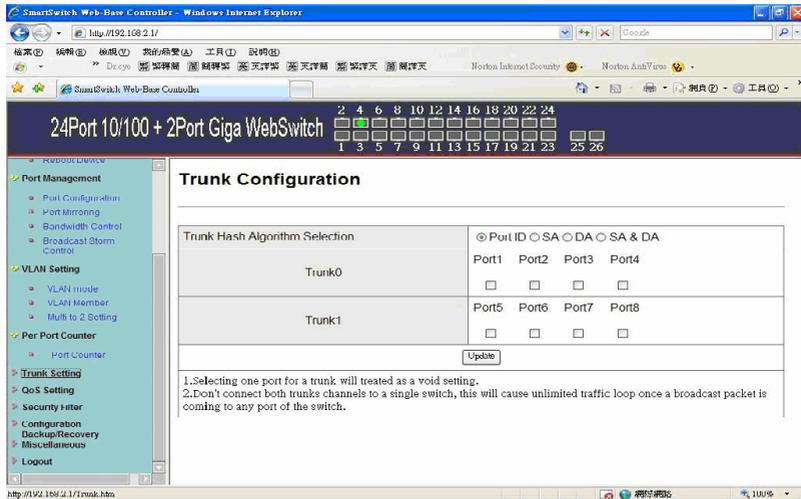
There are two groups to choose and max. for each group is 4 ports. Set up port trunk group mode as below:

1. "Port ID" - you can select port number you want to include into the same group.

2. "SA" - you can select Source Address of the port you want to include into the same group.

3. "DA" - you can select Destination Address of the port you want to include into the same group.

4. "SA & DA" - you can select both Source Address and Destination Address of the port you want to include into the same group.

5. Click "Update" to confirm and finish the setting.

QoS Setting: Priority Mode
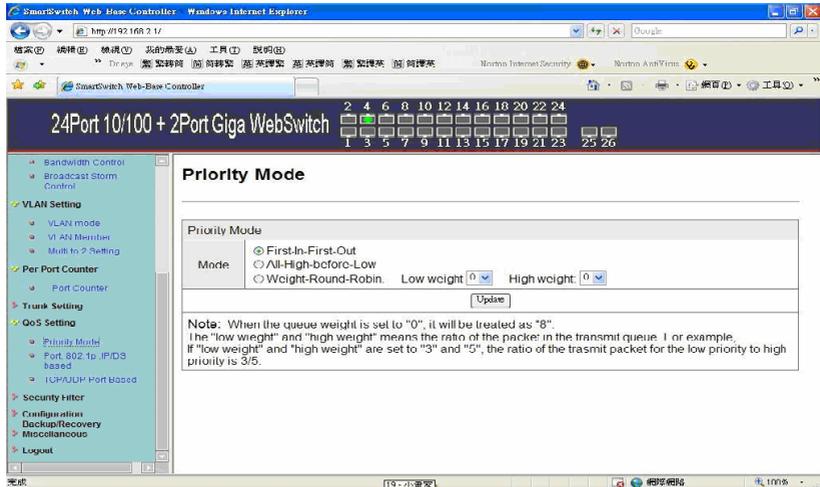
There are three Priority Modes to select.

1. "First-in-First-Out" - the first receiving packet will be firstly transmitted.

2. "All-High-before-Low" - packets set in high priority mode will be firstly transmitted before packets set in low priority mode.

3. "Weight-Round-Robin" – WRR, you can set the ratio of the transmitting packet for the low priority to high priority.

4. Click "Update" to confirm and finish the setting.

QoS Setting: Class of Service Configuration
(Port, 802.1p, IP/DS based)
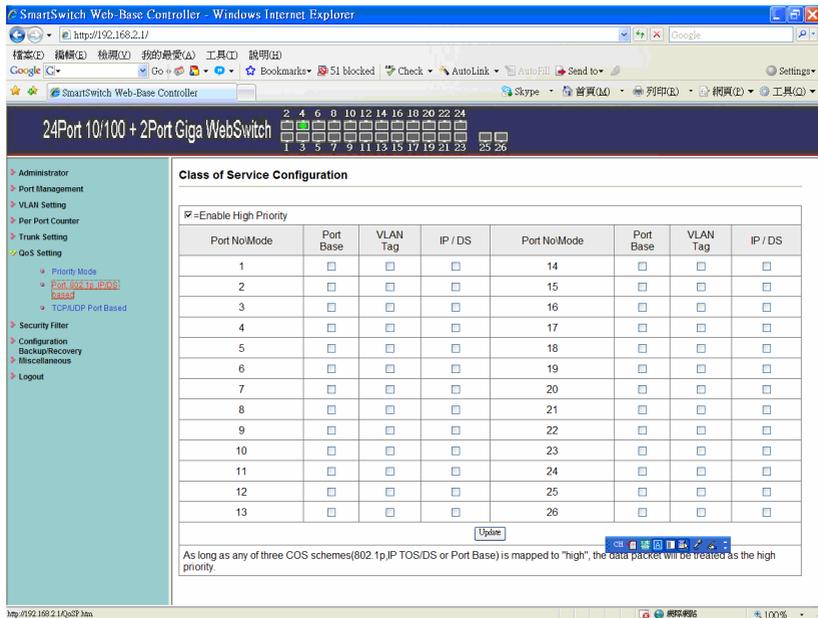
You can set QoS mode of per port by different bases.

1. "Port Base" - you can select the port which you want to configure as high priority. It means the packet of the port will be firstly transmitted.

2. "VLAN Tag" - you can select the port which you want to configure as packets. It means the packet with special Tag will be firstly transmitted.

3. "IP/DS" - you can select the port which you want to configure as packets. It means the packets with special IP will be firstly transmitted.

4. Click "Update" to confirm and finish the setting.

QoS Setting: TCP/UDP Port Based

There are four modes of TCP/UDP priority to select.

1. "F-I-F-O"- First-in-First-Out, the first receiving packet will be firstly transmitted.

2. "Discard" - packets will be discarded.

3. "Low" - the packets of low priority will be transmitted after the packets of high priority.

4. "High" – the packets of high priority will be firstly transmitted.

Security Filter: MAC Address Filter
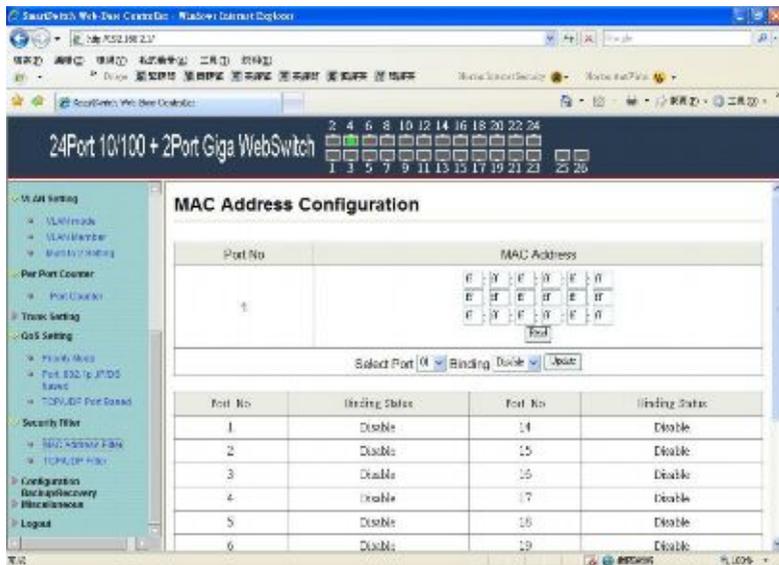
Set special MAC address to activate on the selected port
1. Enable: allow the packet which has this MAC address to activate on the port. The port will record the first receiving source MAC address as the security MAC address.
2. Click "Update" to confirm and finish the setting.

Security Filter: TCP_UDP Filter Configuration

You can enable or disable this function of per port.
If you enable this function, there are two modes as below,

1. "Negative Filter Mode" - packets compliant with protocol will be
   dropped.

2. "Positive Filter Mode" - packets compliant with protocol will be
   forwarded.

3. Click "Update" to confirm and finish the setting.

Configuration Backup/Recovery
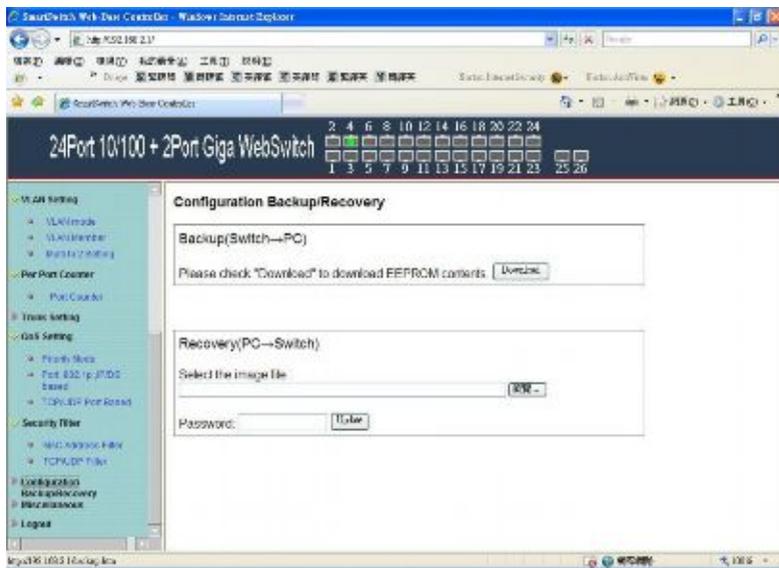
Follow the instruction on the screen to update the original setting.

"Backup" - Click "Download" to confirm the setting.
"Recovery" – Click "Update" to confirm the setting.

Miscellaneous: Miscellaneous Setting
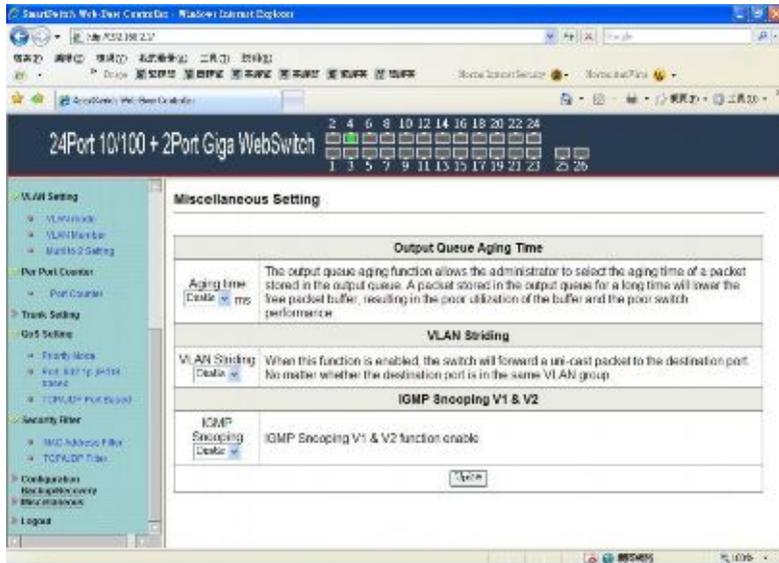
1. "Aging Time" - You can set queue aging time into different milliseconds or disable this function.

2. "VLAN Striding" – You can enable/disable this function.

3. "IGMP Snooping" – You can enable/disable this function.

4. Click "Update" to confirm and finish the setting.

Logout: You can click "Logout" to logout.