



8-PORT POWER OVER ETHERNET WEB SMART SWITCH

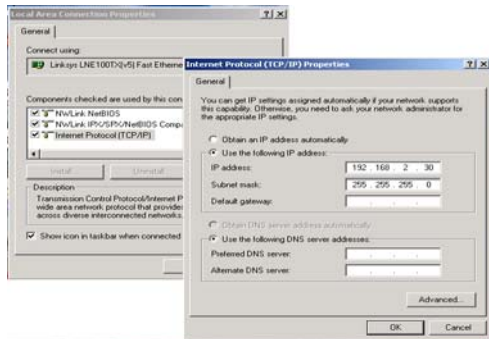
User's Manual (DN-95311)

Web Smart Switch Configure

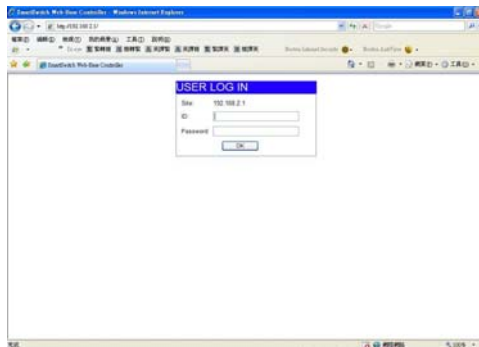
Please follow the steps to configure this Web Smart switch.

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.



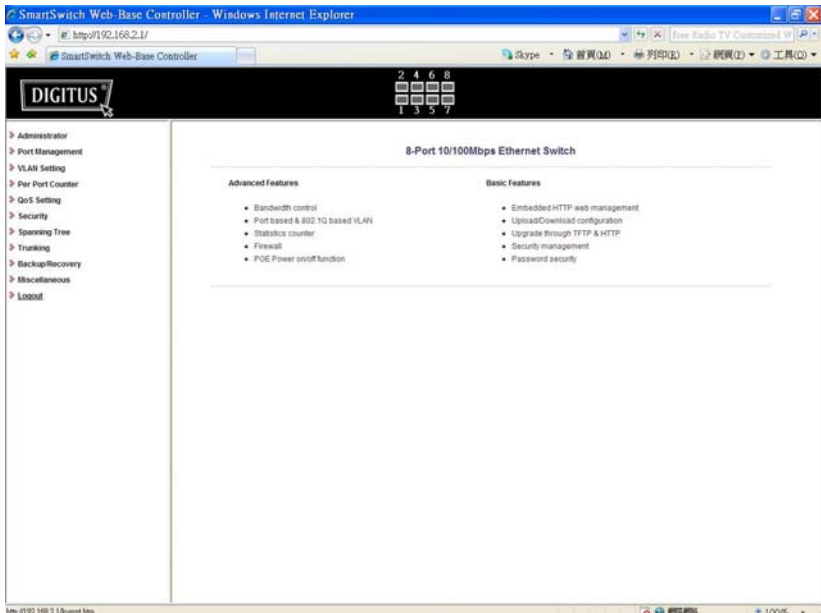
Step 3: Open the web browser (like IE...), and go to 192.168.2.1
Then you will see the login screen.



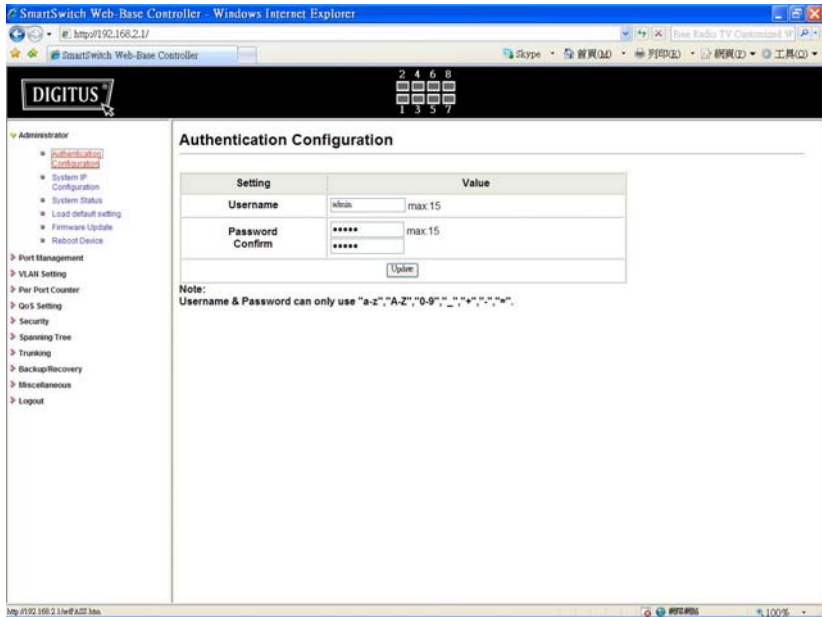
ID and the password: admin

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
- QoS Setting
- Security
- Spanning Tree
- Trunking
- Backup/Recovery
- Miscellaneous
- Logout



Administrator: Authentication Configuration



1. Change the user name and the password.
2. Click “Update” to confirm the new change.

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

Administrator: System IP Configuration

The screenshot shows the SmartSwitch Web-Base Controller interface in Internet Explorer. The browser address bar shows <http://192.168.2.1/>. The page title is "System IP Configuration". The left navigation menu includes: Administrator (Authentication Configuration, System IP Configuration, System Status, Load default setting, Firmware Update, Reboot Device), Port Management, VLAN Setting, Per Port Counter, QoS Setting, Security, Spanning Tree, Trunking, Backup/Recovery, Miscellaneous, and Logout. The main content area contains a table for configuration settings:

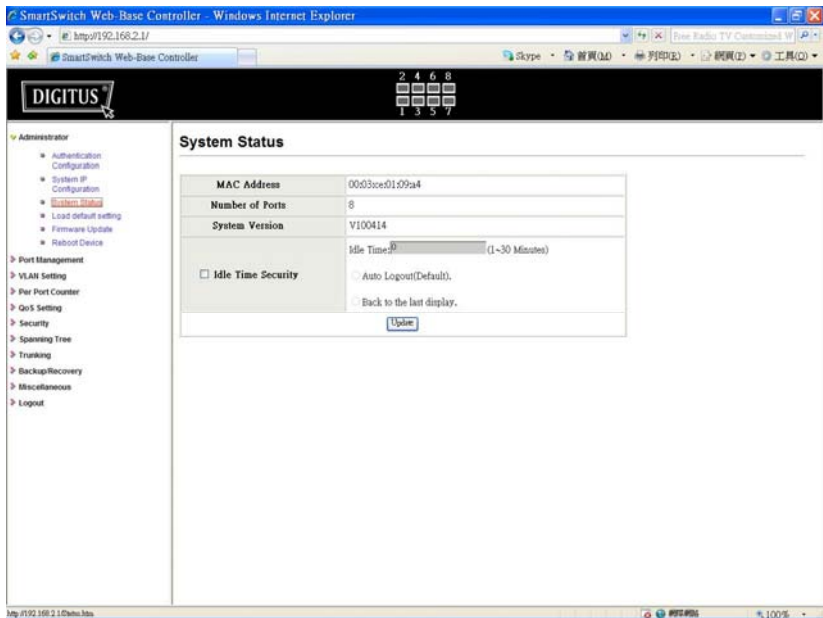
Setting	Value
IP Address	[90] [168] [2] [1]
Subnet Mask	[255] [255] [255] [0]
Gateway	[90] [168] [2] [254]
IP Configure	<input checked="" type="radio"/> Static <input type="radio"/> DHCP

Below the table is an "Update" button. A note section at the bottom states: "Note: Invalid IP Address: '127.0.0.1', '127.*.*.*', '0.0.0.0', '*.*.*.0', '*.*.*.255', and Greater than 223.*.*.*"

1. Change the IP address: type the new IP address or select DHCP IP configuration.
2. Click "Update" to confirm the new change.
"Update Successfully!!" will be shown on the screen.
3. Click "Reboot" to use new setting to login

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

Administrator: System Status

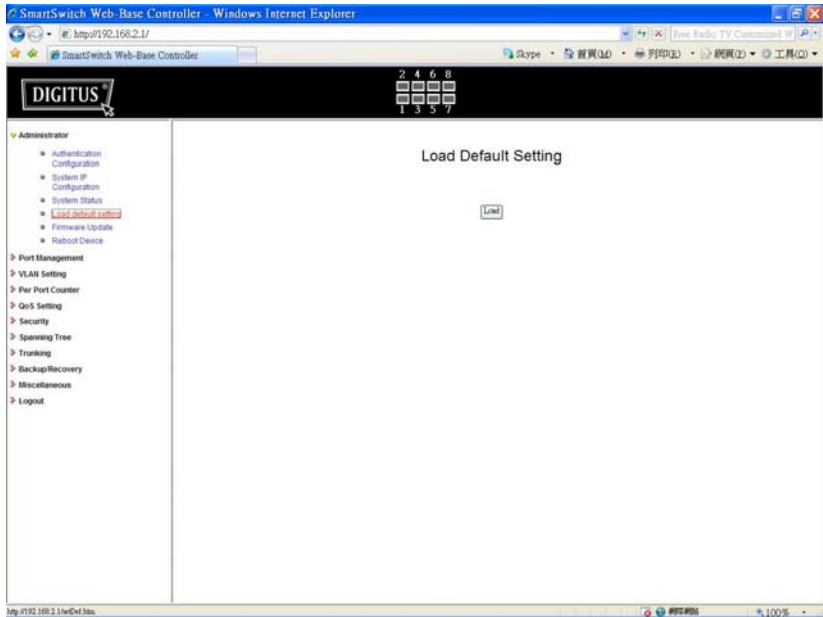


MAC address and system version will be shown on the screen.

1. Change the new comment of this switch by typing the new comment.
2. Click "Update" to confirm the new change.
"Update Successfully!!" will be shown on the screen.
3. Click "Reboot" to use new setting to login

Now, the setting of "System Status" is finished.

Administrator: Load Default Setting

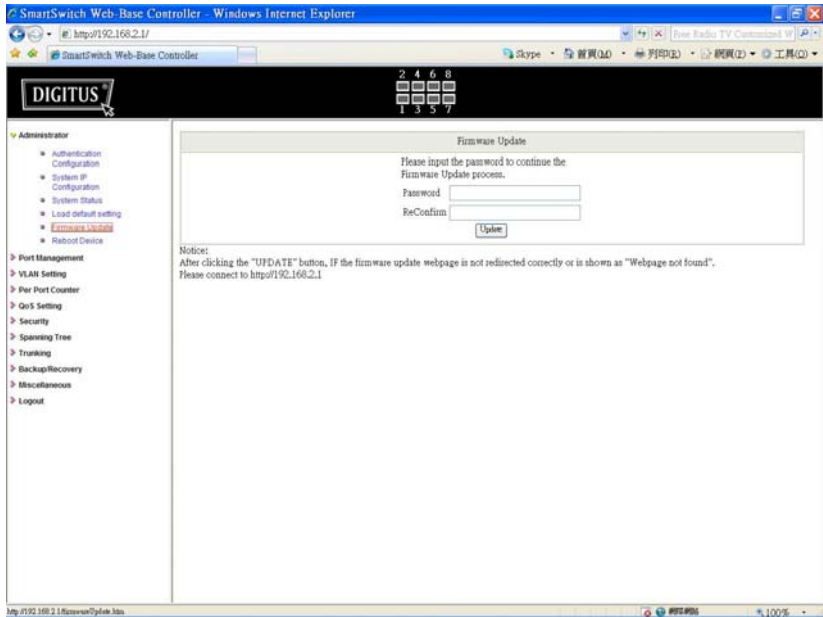


1. Click “Load” to back to the factory default setting.

**Note: Recover switch default setting excluding the IP address, User name and Password.

Now, the default is loaded.

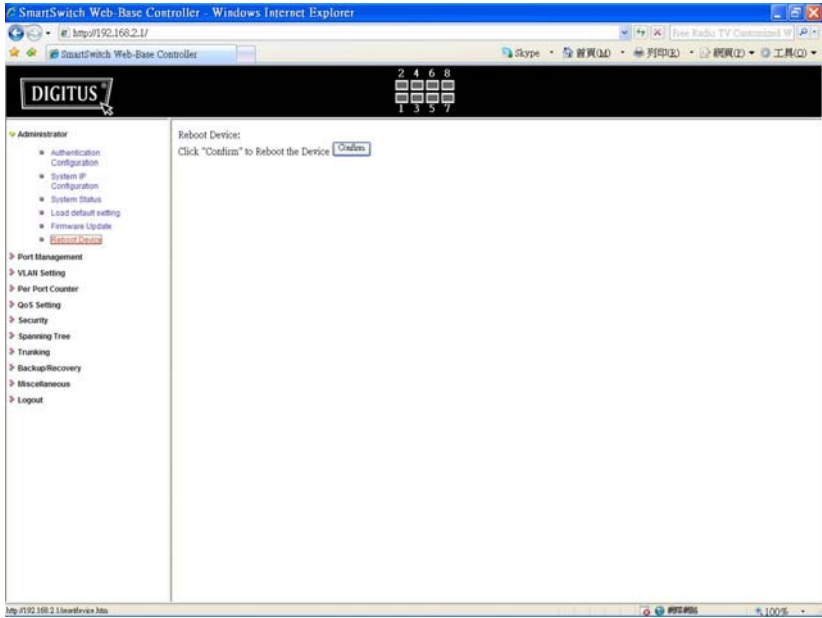
Administrator: Firmware Update



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 finished.

Port Management: Port Configuration

The screenshot shows the SmartSwitch Web-Base Controller interface. The main content area is titled "Port Configuration". It features a "Function" table for selecting a port and a "Port" table showing current and setting status for ports 1 through 8.

Function	Auto	Speed	Duplex	Pause	Backpressure	Tx Capability	Addr. Learning	
Select Port No.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	01	02	03	04	05	06	07	08

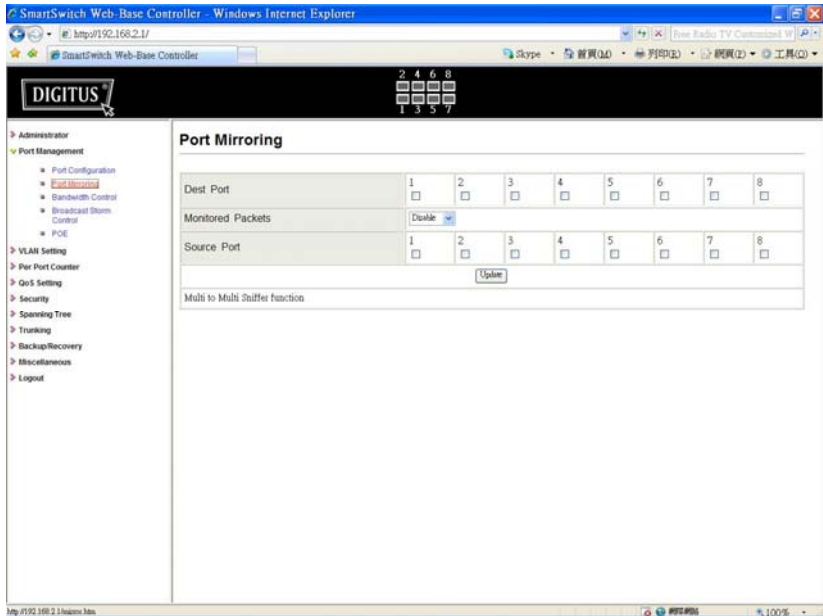
Port	Current Status				Setting Status						
	Link	Speed	Duplex	FlowChl	Auto-Nego	Speed	Duplex	Pause	Backpressure	Tx Cap.	Addr. Learning
1	---	---	---	---	Auto	100M	Full	On	On	On	On
2	---	---	---	---	Auto	100M	Full	On	On	On	On
3	---	---	---	---	Auto	100M	Full	On	On	On	On
4	---	---	---	---	Auto	100M	Full	On	On	On	On
5	---	---	---	---	Auto	100M	Full	On	On	On	On
6	---	---	---	---	Auto	100M	Full	On	On	On	On
7	---	---	---	---	Auto	100M	Full	On	On	On	On
8	---	---	---	---	Auto	100M	Full	On	On	On	On

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

1. "Auto" - enable/disable Auto-Negotiation.
2. "Speed" - 10M or 100M mode for the selected port.
2. "Duplex" - Full or Half-Duplex mode for the selected port.
4. "Pause" - enable/disable for the selected port.
5. "Backpressure" - enable/disable for the selected port.
6. "Tx Capability (Cap)" - enable/disable for the selected port.
7. "Addr. Learning" - enable/disable for the selected port.

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

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 8
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

The screenshot shows the 'Bandwidth Control' configuration page in a web browser. The interface includes a sidebar with navigation options like 'Administrator', 'Port Management', 'VLAN Setting', etc. The main area contains configuration fields for 'Port No.', 'Tx Rate Value', 'Rx Rate Value', and 'Resolution'. Below these fields are 'Update' and 'LoadDefault' buttons. A summary table at the bottom lists ports 1 through 4 with their respective Tx and Rx rates and link speeds.

Port No.	Tx Rate Value	Rx Rate Value
1	Bandwidth = <input type="text"/> K resolution, (0~19/195/255) 0: Full speed, 1~19/195/255: Specified bandwidth.	Bandwidth = <input type="text"/> K resolution, (0~19/195/255) 0: Full speed, 1~19/195/255: Specified bandwidth.
Resolution	Low Low:32Kbps (1).Rate value: 1~255. High:512Kbps (1).When link speed is 10M and the resolution is 512Kbps, the Rate value should be 1~19. (2).When link speed is 100M and the resolution is 512Kbps, the Rate value should be 1~195. All ports use the same bandwidth resolution.	

Port No.	Tx Rate(Kbps)	Rx Rate(Kbps)	Link Speed	Port No.	Tx Rate(Kbps)	Rx Rate(Kbps)	Link Speed
1	Full Speed	Full Speed	---	5	Full Speed	Full Speed	---
2	Full Speed	Full Speed	---	6	Full Speed	Full Speed	---
3	Full Speed	Full Speed	---	7	Full Speed	Full Speed	---
4	Full Speed	Full Speed	---	8	Full Speed	Full Speed	---

1. Select the “Port No.”: you can choose port 1 to port 8
2. “TX Rate Value”: set the transmission rate of the selected port. (0:Full speed; 1~255:Specified bandwidth.)
3. “RX Rate Value”: set the receiving rate of the selected port. (0: Full speed; 1~255: Specified bandwidth.)
4. “Resolution” : Low: 32 kbps / High: 512 kbps
5. Click “Update” to confirm the setting or “LoadDefault”.

Now, the setting of “Bandwidth Control” is finished.

Port Management: Broadcast Storm Control

The screenshot shows the SmartSwitch Web-Base Controller interface in a Windows Internet Explorer browser. The browser address bar shows the URL <http://192.168.2.1/>. The page title is "SmartSwitch Web-Base Controller". The interface features a navigation menu on the left with the following items: Administrator, Port Management (expanded), VLAN Setting, Per Port Counter, QoS Setting, Security, Spanning Tree, Trunking, Backup/Recovery, Miscellaneous, and Logout. Under Port Management, the sub-items are Port Configuration, Port Mirroring, Bandwidth Control, Broadcast Storm Control (highlighted), and PoE. The main content area is titled "Broadcast Storm Control" and contains a form with the following fields:

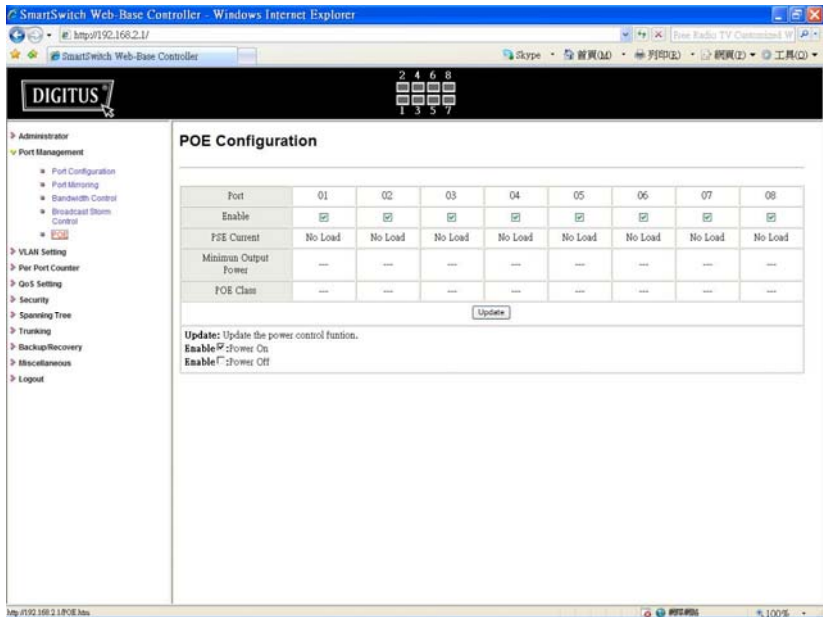
Threshold	<input type="text" value="63"/>							
	1-63							
Enable Port	1	2	3	4	5	6	7	8
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="button" value="Update"/>							

Below the form, a note states: "This value indicates the number of broadcast packet which is allowed to enter each port in one time unit. One time unit is 500 us for 100Mbps speed and 5000us for 10Mbps speed". The footer of the page shows the URL <http://192.168.2.1/SmartSwitch.htm> and a 100% zoom level.

1. "Threshold" - Set the threshold from 1~63.
2. "Enable Port" - per port to define the status of broadcast packets.
3. Click "Update" to confirm the setting.

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

Port Management: PoE Configuration



POE Configuration

Port	01	02	03	04	05	06	07	08
Enable	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
PSE Current	No Load	No Load	No Load	No Load	No Load	No Load	No Load	No Load
Minimum Output Power	---	---	---	---	---	---	---	---
POE Class	---	---	---	---	---	---	---	---

Update: Update the power control function.
Enable Power On
Enable Power Off

Remote access and monitor the attached PD (Powered Device) status by using Enable/Disable function.

1. **Enable:** POE of the port is able to supply power to the attached PD (Powered Device)
2. **PSE Current & Minimum Output Power:** The status of the port current and minimum output power.
3. **POE class:** each POE port will detect the class of the attached PD (Powered Device)
4. Click “Update” to confirm and finish the setting.

Now, the setting of “PoE Configuration” is finished.

VLAN Setting: VLAN Mode

The screenshot shows the SmartSwitch Web-Base Controller interface in Internet Explorer. The main content area is titled "VLAN Mode" and features a "Tag Based VLAN" dropdown menu set to "Change VLAN mode". Below this is a table for configuring outgoing packets for ports 01 through 08. Each port has three radio button options: "Add Tag", "Forward", and "Remove Tag".

VLAN Mode	Port 01	Port 02	Port 03	Port 04
Outgoing packets	<input type="radio"/> Add Tag	<input type="radio"/> Add Tag	<input type="radio"/> Add Tag	<input type="radio"/> Add Tag
	<input checked="" type="radio"/> Forward	<input checked="" type="radio"/> Forward	<input checked="" type="radio"/> Forward	<input checked="" type="radio"/> Forward
	<input type="radio"/> Remove Tag	<input type="radio"/> Remove Tag	<input type="radio"/> Remove Tag	<input type="radio"/> Remove Tag
	Port 05	Port 06	Port 07	Port 08
	<input type="radio"/> Add Tag	<input type="radio"/> Add Tag	<input type="radio"/> Add Tag	<input type="radio"/> Add Tag
	<input checked="" type="radio"/> Forward	<input checked="" type="radio"/> Forward	<input checked="" type="radio"/> Forward	<input checked="" type="radio"/> Forward
	<input type="radio"/> Remove Tag	<input type="radio"/> Remove Tag	<input type="radio"/> Remove Tag	<input type="radio"/> Remove Tag

Below the table is an "Update" button. The "Operation principle" section explains the behavior of the "Add Tag", "Forward", and "Remove Tag" options.

Operation principle for Add Tag, Forward and Remove Tag
 Before a packet sending out from the port

- Add Tag
 - Insert a tag using the default VLAN tag value of the source port if there is no tag in the original packet.
 - Forward packet if the original packet contains VLAN tag.
- Forward
 - Forward packet without modification
- Remove Tag
 - Remove tag if the original packet contains VLAN tag.
 - Forward without modification if there is no tag in the original packet.

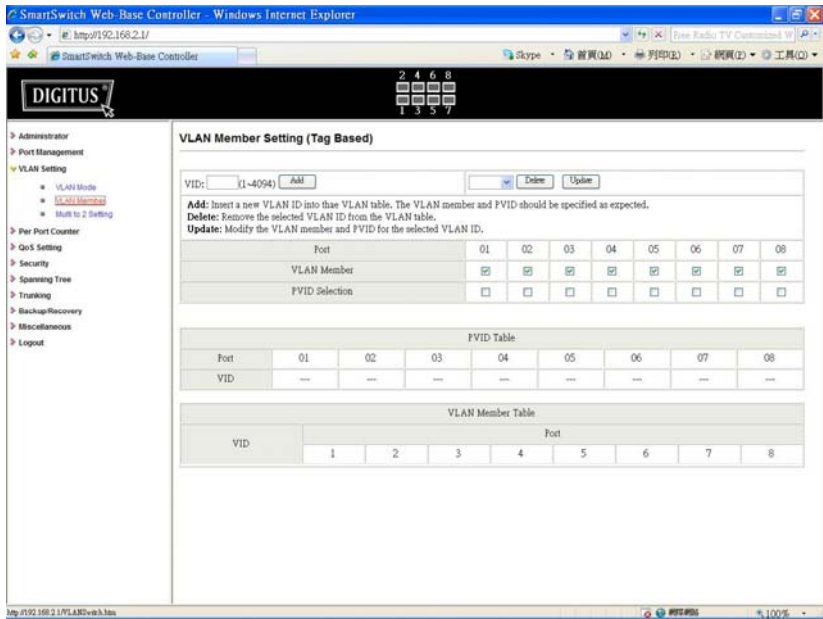
There are two VLAN modes : Port Based VLAN and Tagged VLAN.

Click “Change VLAN mode” to select the mode.

**If the Port Based VLAN function is enabled, Multi to 2 setting and tag Based VLAN will be disabled automatically.

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 “LoadDefault” to back to the original factory setting.

Now, the setting of “VLAN Mode” is finished.

VLAN Setting: Multi to 2 Setting

The screenshot shows the SmartSwitch Web-Base Controller interface in Internet Explorer. The main content area is titled "Multi to 2 Setting". It contains the following configuration options:

- Destination PortNo:** Home VLAN 1: 01, Home VLAN 2: 01
- Current Setting:** Port: &-
- Disable Port:** A grid of checkboxes for ports 01 through 08. Port 01 is checked, while ports 02 through 08 are unchecked.

Below the configuration options is a diagram titled "VLAN Configuration" showing a network topology with nodes 1, 2, 3, 4, and N. Node 1 is connected to nodes 2, 3, and 4. Node 2 is connected to nodes 1, 3, and 4. Node 3 is connected to nodes 1 and 2. Node 4 is connected to nodes 1 and 2. Node N is shown as a separate node.

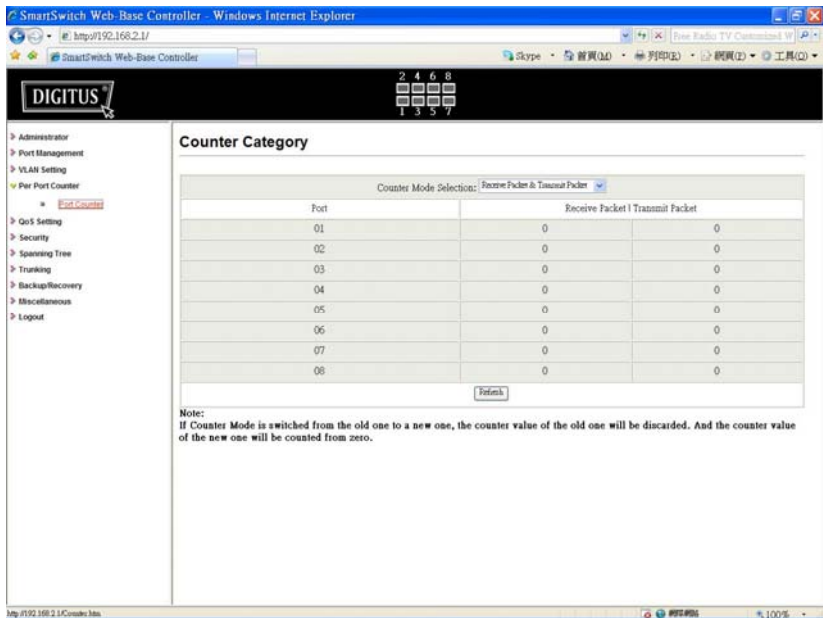
Text below the diagram: "1. A example for Multi-to-2 structure. 2. The original setting of the VLAN Group will be cleared and replaced by this special structure if you enable this function. On the other hand, if you set the VLAN Group again, this special structure will be cleared and replaced by your newest 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. “Disable Port” – choose the port which you don’t want to use
4. Click “Update” to confirm and finish the setting.

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

Per Port Counter: Counter Category



Counter Category

Counter Mode Selection: **Receive Packet & Transmit Packet**

Port	Receive Packet	Transmit Packet
01	0	0
02	0	0
03	0	0
04	0	0
05	0	0
06	0	0
07	0	0
08	0	0

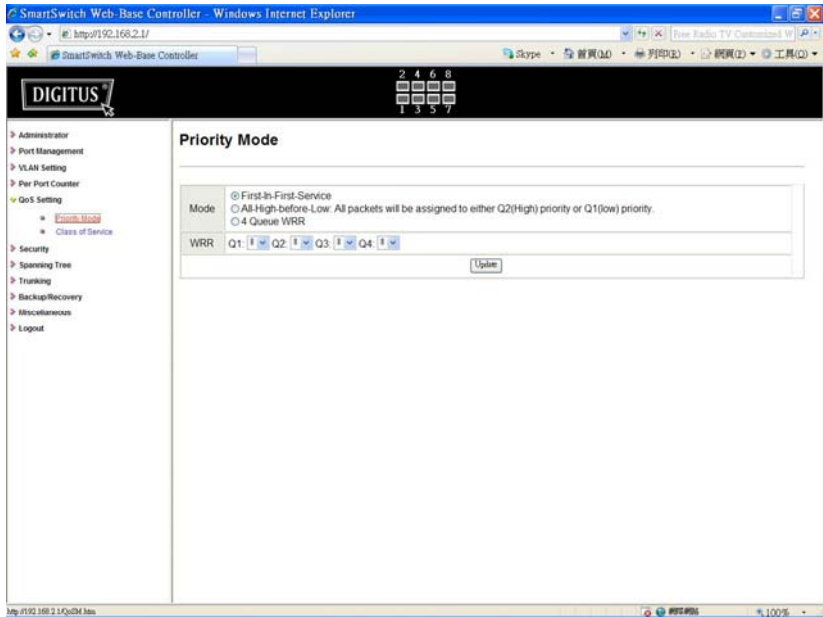
[Refresh](#)

Note:
If Counter Mode is switched from the old one to a new one, the counter value of the old one will be discarded. And the counter value of the new one will be counted from zero.

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

Click “Refresh” or “Clear” the data.

QoS Setting: Priority Mode



There are three Priority Modes to select.

1. “First-in-First-Service” - the first receiving packet will be firstly transmitted.
2. “All-High-before-Low” – All packets will be assigned to either high priority queue or low priority queue.
3. “4 Queue WRR (Weight-Round-Robin)” - set the ratio of the transmitting packet.
4. Click “Update” to confirm and finish the setting.

QoS Setting: Class of Service

SmartSwitch Web-Base Controller - Windows Internet Explorer

http://192.168.2.1/

BasicSwitch Web-Base Controller

ADMINISTRATOR

Class of Service

The switch treats TCP/UDP, IP TOS/OS, 802.1p and physical port CoS scheme in the following priority.
 TCP/UDP > IP TOS/OS > 802.1p > Physical port.
 This means TCP/UDP CoS will override all other settings.

(1) TCP/UDP port

Note:
 (1) Q1 - Q4 options are effective for the selected physical port only.
 (2) "Strip" option is the global setting for all physical ports.

Protocol		<input type="checkbox"/>	<input type="checkbox"/>
FTP		<input type="checkbox"/>	<input type="checkbox"/>
SSH		<input type="checkbox"/>	<input type="checkbox"/>
TELNET		<input type="checkbox"/>	<input type="checkbox"/>
SMTP		<input type="checkbox"/>	<input type="checkbox"/>
DNS		<input type="checkbox"/>	<input type="checkbox"/>
TFTP		<input type="checkbox"/>	<input type="checkbox"/>
HTTP		<input type="checkbox"/>	<input type="checkbox"/>
POP3		<input type="checkbox"/>	<input type="checkbox"/>
NEWS		<input type="checkbox"/>	<input type="checkbox"/>
SNTP		<input type="checkbox"/>	<input type="checkbox"/>
NetBOS		<input type="checkbox"/>	<input type="checkbox"/>
IMAP		<input type="checkbox"/>	<input type="checkbox"/>
SMBP		<input type="checkbox"/>	<input type="checkbox"/>
HTTPS		<input type="checkbox"/>	<input type="checkbox"/>
MSH		<input type="checkbox"/>	<input type="checkbox"/>
XRD_RDP		<input type="checkbox"/>	<input type="checkbox"/>
QQ		<input type="checkbox"/>	<input type="checkbox"/>
ICQ		<input type="checkbox"/>	<input type="checkbox"/>
Yahoo		<input type="checkbox"/>	<input type="checkbox"/>
BOOTP/DHCP		<input type="checkbox"/>	<input type="checkbox"/>
User-defined A TCP/UDP		<input type="checkbox"/>	<input type="checkbox"/>
User-defined B TCP/UDP		<input type="checkbox"/>	<input type="checkbox"/>
User-defined C TCP/UDP		<input type="checkbox"/>	<input type="checkbox"/>

Note: These user defined TCP/UDP port are the same as that used in TCP/UDP filter

User-defined Port range (85535-1)	User-defined A Port	User-defined B Port	User-defined C Port
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

The TCP/UDP port will be checked on the following physical port

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

[Strip]

The Class of Service for TCP/UDP port number allows the network administrator to assign the specific application to a priority queue.

(2) IP TOS/OS

IP TOS/OS Priority Setting	eth0101010 <input type="checkbox"/>	eth010010 <input type="checkbox"/>	eth011010 <input type="checkbox"/>	eth00010 <input type="checkbox"/>				
IP TOS/OS Port Setting	01 <input type="checkbox"/>	02 <input type="checkbox"/>	03 <input type="checkbox"/>	04 <input type="checkbox"/>	05 <input type="checkbox"/>	06 <input type="checkbox"/>	07 <input type="checkbox"/>	08 <input type="checkbox"/>

[Strip]

(3) 802.1p

For 802.1p priority field, the switch utilizes the following priority mapping table.
 6 and 7 are mapped to the "Q4" priority queue.
 4 and 5 are mapped to the "Q3" priority queue.
 0 and 3 are mapped to the "Q2" priority queue.
 1 and 2 are mapped to the "Q1" priority queue.

Port No/Node	802.1p	Port No/Node	802.1p
1	<input type="checkbox"/>	5	<input type="checkbox"/>
2	<input type="checkbox"/>	6	<input type="checkbox"/>
3	<input type="checkbox"/>	7	<input type="checkbox"/>
4	<input type="checkbox"/>	8	<input type="checkbox"/>

[Strip]

(4) Physical port

1	<input type="checkbox"/>	5	<input type="checkbox"/>
2	<input type="checkbox"/>	6	<input type="checkbox"/>
3	<input type="checkbox"/>	7	<input type="checkbox"/>
4	<input type="checkbox"/>	8	<input type="checkbox"/>

[Strip]

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You can set QoS mode of per port by different bases.

TCP/UDP > TP TPS/DS > 802.1P > Physical port

1. “TCP/UDP Port” – Q1 ~ Q4 options are effective for the selected physical port only. “Drop” option is the global setting for all physical ports.

The packet queue will be transferred based on the number of “4 Queue WRR” on **QoS Setting: Priority Mode.**

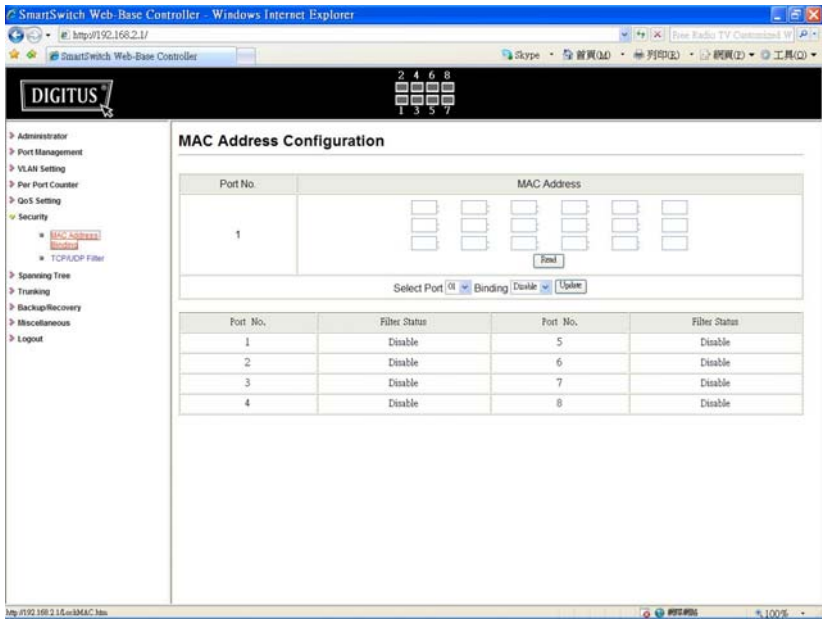
**WRR –Q1/Q2/Q3/Q4

**“Drop” - packets will be dropped.

2. “IP TOS/DS” – “Priority Setting”: Q1 ~ Q4; “IP TOS/DS Port Setting” - It means the packets with special IP will be firstly transmitted.
3. “802.1p” – Priority mapping table as the screen shown.
4. “Physical port” - you can select the port which you want to configure as Q1~Q4 priority.
5. Click “Update” to confirm and finish the setting.

Now, the setting of “Class of Service” is finished.

Security: MAC Address Configuration



Set special MAC address to activate on the selected port

1. Choose "Select Port" – port 1~8
2. "Binding" – "Enable": allow the packet with the specified source MAC address to enter this port.
3. Click "Update" to confirm and finish the setting.

Now, the setting of "MAC Address Filter" is finished.

Security: TCP_UDP Filter Configuration

The screenshot shows the 'TCP/UDP Filter Configuration' page in the SmartSwitch Web-Base Controller. The 'Function Enable' dropdown is set to 'Deny'. Below this, there is a 'Port Filtering Rule' section with a 'Deny' dropdown and explanatory text: "Deny" means the outgoing packets to the selected port with selected protocol will be dropped and other protocols will be forwarded. "Allow" means the selected protocol will be forwarded and other protocol will be dropped. A note follows: "Note: 1. The secure WAN port should be set at the physical port which is connected to the server. 2. Once this function is enabled, the switch will check the destination TCP/UDP port number at the outgoing direction of the secure WAN. If the condition matches, this packet will be dropped or forwarded." Below the note is a grid of checkboxes for 'Secure Port' (Port01-Port08) and 'Protocol' (FTP, DNS, NEWS, SNMP, User-defined A, C, B, etc.). An 'Update' button is at the bottom of the grid.

Below the configuration area is a diagram titled "Note: The description of Secure WAN port is shown below." The diagram shows a 'Switch Engine' connected to a 'Client side' (P2) and a 'Server side' (P5). The 'Client side' is connected to 'TELNET Client, FTP Client, HTTP Client'. The 'Server side' is connected to 'TELNET Server, FTP Server, HTTP Server'. A callout box points to the 'Server side' with the text: "Server side: Don't care the protocol at these physical ports." Another callout box points to the 'Switch Engine' with the text: "Secure side: Check TCP/UDP destination port at the selected physical port." An example note at the bottom says: "Example: Set the secure WAN port at P5."

You can enable or disable this function of per port.

If the “Function Enable” is “Enable”, please kindly check the following setting:

1. “Port Filtering Rule” –

“Deny”: the outgoing packets to the selected port with selected protocol will be dropped and other protocols will be forwarded.

“Allow”: the selected protocol will be forwarded and other protocol will be dropped.

2. “Secure Port” – choose secure ports which you want.

**Note 1:

- a. The secure WAN port should be set at the physical port which is connected to the server.
- b. Once this function is enabled, the switch will check the destination TCP/UTP port number at the outgoing direction of the secure WAN port.

If the condition matches, this packet will be dropped or forwarded.

**Note 2: The description of Secure WAN port is shown on the bottom of this screen.

3. “Protocol” – choose protocols which you want.

4. Click “Update” to confirm and finish the setting.

Now, the setting of “TCP/UDP Filter Configuration” is finished.

Spanning Tree: STP Bridge Settings

The screenshot shows the SmartSwitch Web-Base Controller interface. The main configuration area is titled "STP Bridge Settings". It contains two tables and a note.

STP Bridge Status (Configuration Table)

STP Mode	Bridge Priority (0-61440)	Hello Time (1-10 Sec)	Max Age (6-40 Sec)	Forward Delay (4-30 Sec)
▼	▼	2	20	15

Note: $2 * (\text{Forward Delay} - 1) \geq \text{Max Age}$
 $\text{Max Age} \geq 2 * (\text{Hello Time} + 1)$

STP Bridge Status (Status Table)

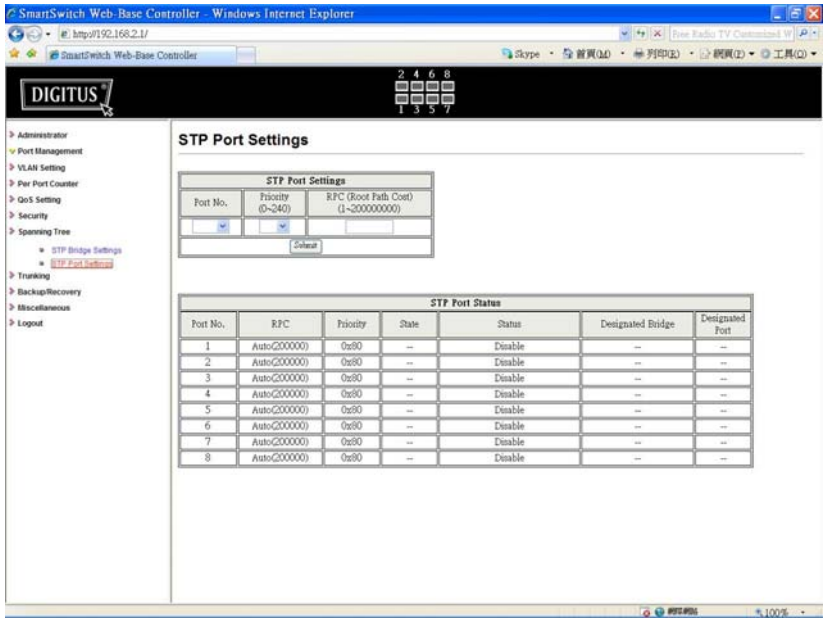
STP Mode	Bridge ID	Hello Time	Max Age	Forward Delay	Root ID
RSTP	32768:00 03 CE 01 09 A4	2	20	15	I'm the root bridge!

This setting is to avoid the loop network.

1. Select the "STP Mode"- choose "Disable", "STP" or "RSTP"
2. Set the "Bridge Priority" – Set the priority of the Bridge
3. Set the period of "Hello Time" packet – Provides the time period between root bridge configuration messages.
4. Set the "Max Age" – Indicates when the current configuration message should be deleted.
5. Set the "Forward Delay" time – Provides the length of time that bridges should wait before transitioning to a new state after a topology change. (If a bridge transitions too soon, not all network links might be ready to change their state, and loops can result.)
6. Click "Update" to confirm and finish the setting.

Now, the setting of "STP Bridge Settings" is finished.

Spanning Tree: STP Port Settings



1. Choose "Port No.": Port 1 ~ Port 8
2. Choose "Priority": 0~ 240
3. "RPC" = Root Path Cost: 0 = AUTO. When the loop is found, the STP/RSTP will calculate the cost of its path.

Trunking: Link Aggregation Settings

The screenshot shows the SmartSwitch Web-Base Controller interface. The main content area is titled "Trunking" and contains the following configuration fields:

- System Priority:** 1 (1-65535)
- Link Aggregation Algorithm:** MAC-EndDir
- Notice:** If any trunk group is set to LACP type, each port in the trunk group will not be enabled(can't Forward/Receive) until the port can finish LACP procedure with its link partner port.
- Submit** button

Below the main form, there is a table for configuring two Link Groups:

Member	Link Group 1				Link Group 2			
	P1	P2	P3	P4	P5	P6	P7	P8
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	--	--	--	--	--	--	--	--
State	Disable				Disable			
Type	LACP				LACP			
Operation Key	1 (1-65535)				2 (1-65535)			
Time Out	Clear Time Out				Clear Time Out			
Activity	Passive				Passive			

At the bottom of the table configuration area, there is a **Submit** button.

There are two groups to choose and max. for each group is 4 ports.

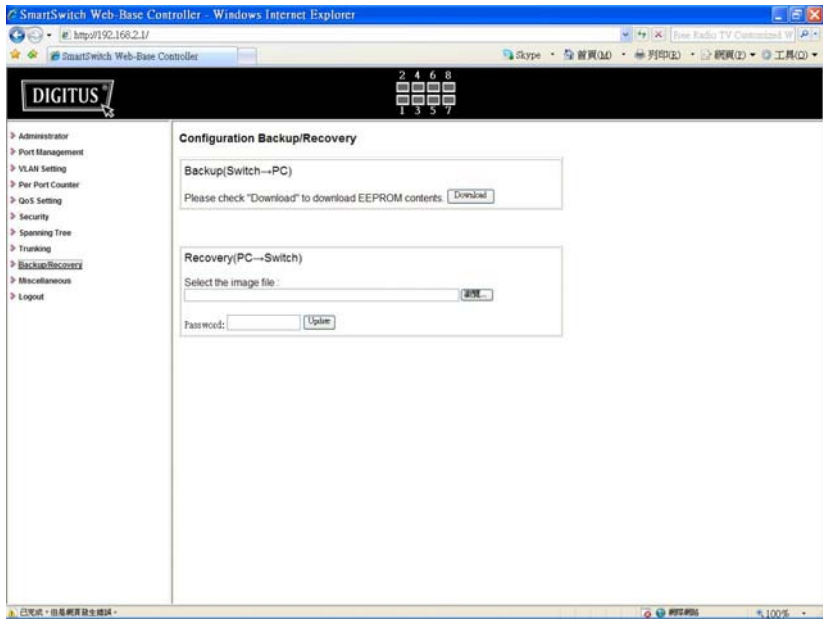
Click “Submit” to confirm and finish the setting.

“State” – Enable / Disable

“Type” – LACP/ Static

“Activity” – Active/Passive: **Both switches use “LACP” to configure the Trunk, at least one of them should be “Active”**

Backup/Recovery

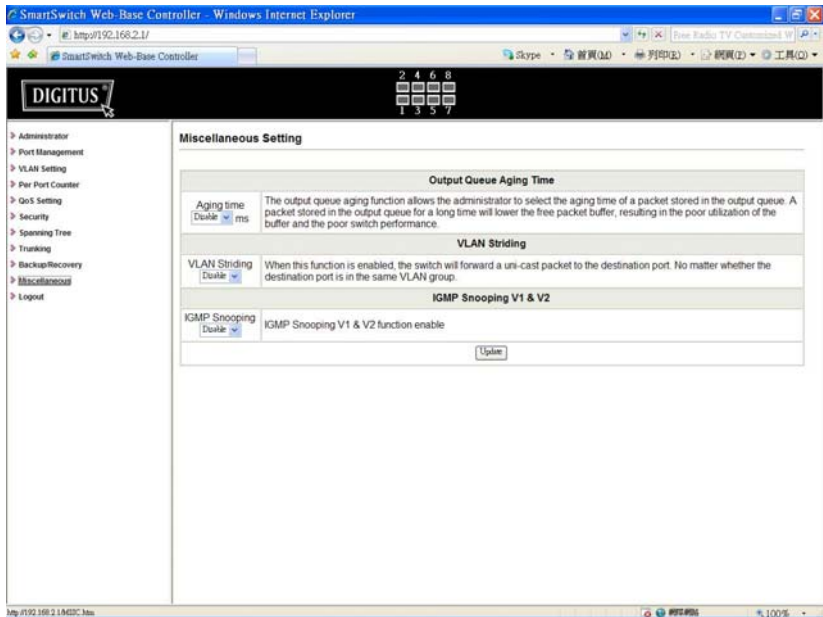


Follow the instruction on the screen to update the original setting.

“Backup” - Click “Download” to confirm the setting.

“Recovery” – select a file and key in the password → Click “Update” to confirm the setting.

Miscellaneous: Miscellaneous Setting



1. “Output Queue 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 V1 & V2” – You can enable/disable this function.
4. Click “Update” to confirm and finish the setting.

Logout: You can click “Logout” to logout.

