

24 Port Nway Gigabit Ethernet Web Smart Switch

User's Manual

Web Smart Switch

□. 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-based VLAN
- Supports priority queues for QoS

□. Configure

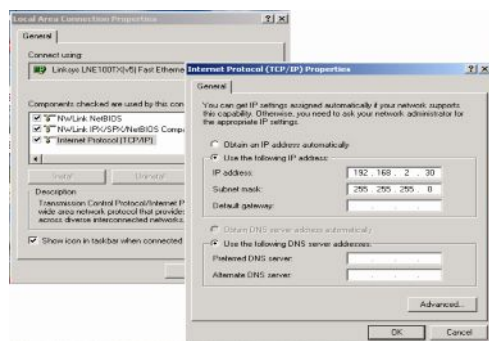
Please follow the steps to configure this Web Smart switch.

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 browser (like IE...) and go to [http:// 192.168.2.1](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**
- **Logout**

Configuration: System Configuration

24 Port Gigabit Ethernet Switch

Configuration

- System
- Ports
- VLANs
- Aggregation
- LACP
- RSTP
- 802.1X
- IGMP Snooping
- Mirroring
- Quality of Service
- Filter
- Rate Limit
- Storm Control

Monitoring

- Statistics Overview
- Detailed Statistics
- LACP Status
- RSTP Status
- IGMP Status
- VlanPHY
- Ping

Maintenance

- Warm Restart
- Factory Default
- Software Upload
- Configuration File
- Transfer
- Logout

System Configuration

MAC Address	00-03-ce-07-06-00
S/W Version	Luton24 2.34d
H/W Version	1.0
Temperature	0 °C
Active IP Address	192.168.2.1
Active Subnet Mask	255.255.255.0
Active Gateway	192.168.2.254
DHCP Server	0.0.0.0
Lease Time Left	0 secs

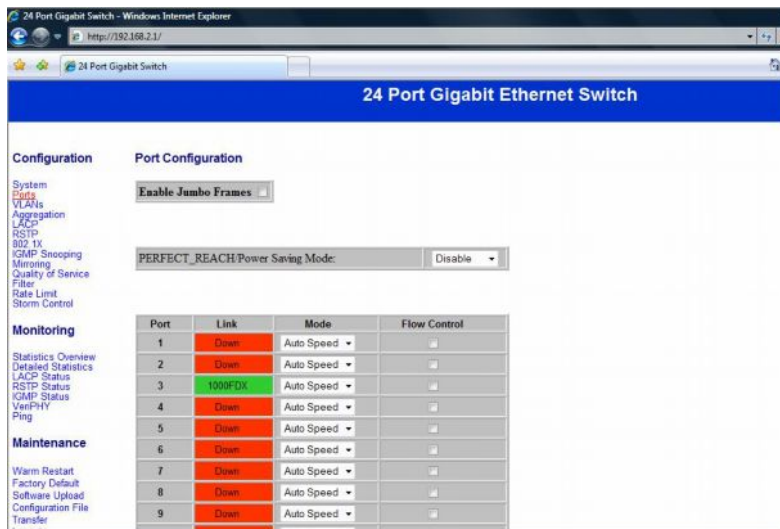
DHCP Enabled	<input type="checkbox"/>
Fallback IP Address	192.168.2.1
Fallback Subnet Mask	255.255.255.0
Fallback Gateway	192.168.2.254
Management VLAN	1
Name	
Password	

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



The screenshot shows the web interface of a 24 Port Gigabit Ethernet Switch. The browser address bar shows the URL <http://192.168.2.1/>. The page title is "24 Port Gigabit Ethernet Switch". The left sidebar contains navigation links: Configuration, Monitoring, and Maintenance. The main content area is titled "Port Configuration" and includes a checkbox for "Enable Jumbo Frames" and a dropdown menu for "PERFECT_REACH/Power Saving Mode" set to "Disable". Below this is a table with 9 rows and 4 columns: Port, Link, Mode, and Flow Control.

Port	Link	Mode	Flow Control
1	Down	Auto Speed	<input type="checkbox"/>
2	Down	Auto Speed	<input type="checkbox"/>
3	1000FDX	Auto Speed	<input type="checkbox"/>
4	Down	Auto Speed	<input type="checkbox"/>
5	Down	Auto Speed	<input type="checkbox"/>
6	Down	Auto Speed	<input type="checkbox"/>
7	Down	Auto Speed	<input type="checkbox"/>
8	Down	Auto Speed	<input type="checkbox"/>
9	Down	Auto Speed	<input type="checkbox"/>

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

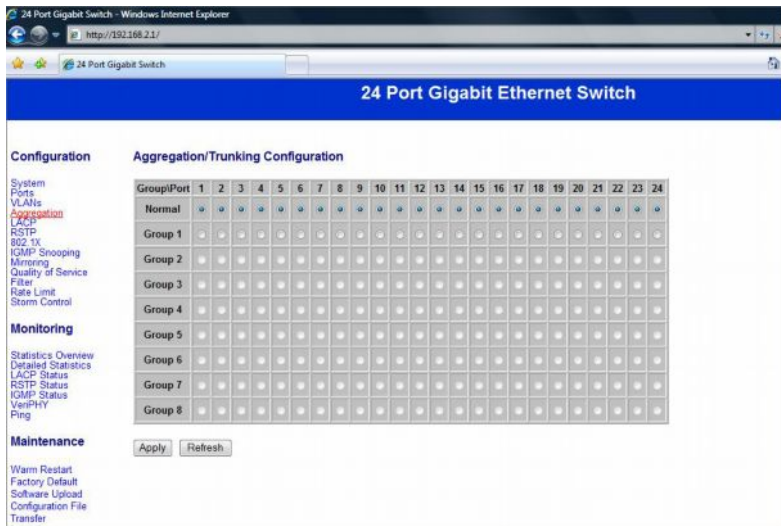
Configuration: VLAN Configuration



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.

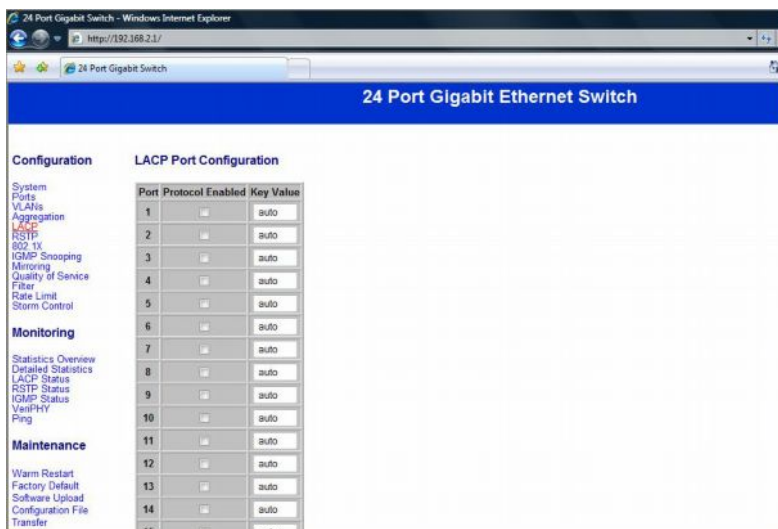
Configuration: Aggregation/Trunk Configuration



Set up port trunk groups and then click the port number you want to include into the same group.

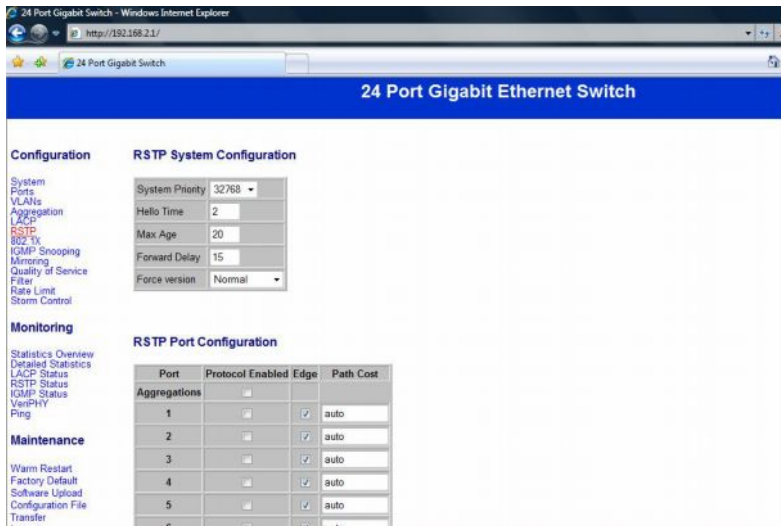
There are eight groups to choose and the maximum for one group is 24 ports.

Configuration: LACP Port configuration



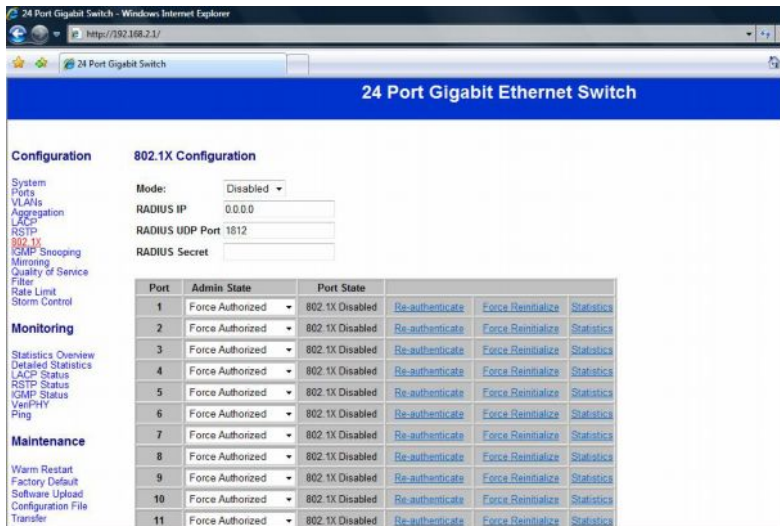
Select the port number which you want to enable/disable its protocol.

Configuration: RSTP Configuration



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

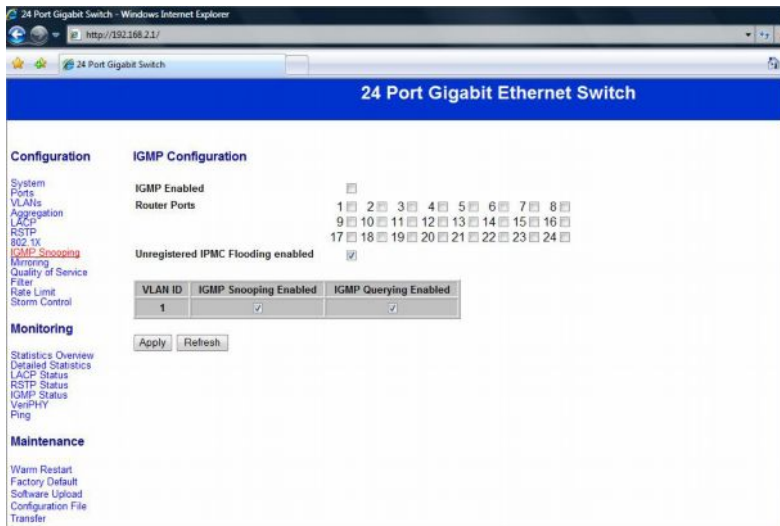
Configuration: 802.1x Configuration



Select the “Port no.” which you want to configure the mode below,

- Auto
- Force Authorized
- Force Unauthorized

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.

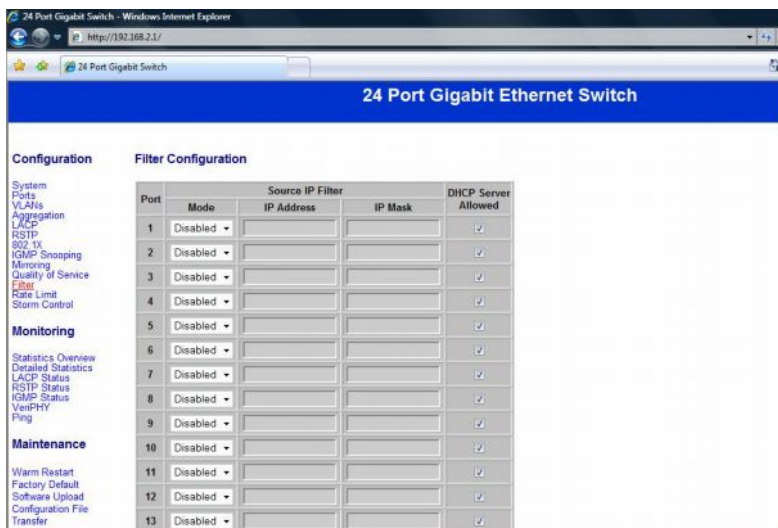
Select the Destination port from port 1 to port 24, and then select the Source port by clicking the checking box of each port.

Configuration: QoS Configuration



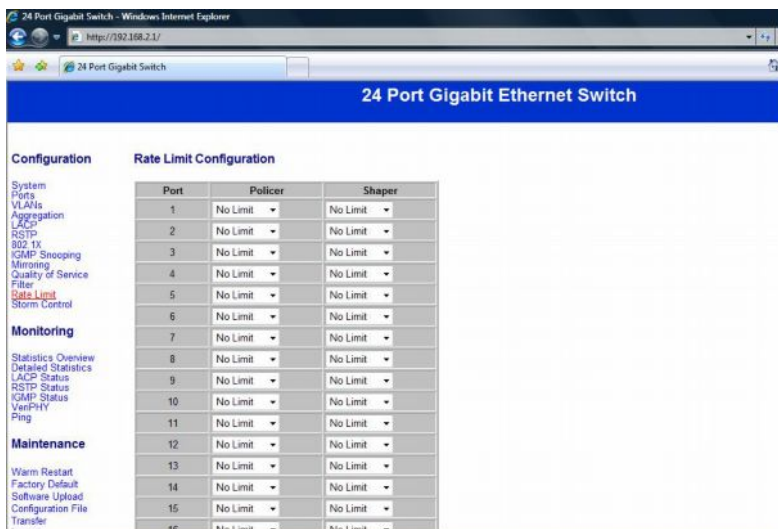
You can enable or disable QoS by clicking the checking box. If you enable QoS, you can select the class of service for each port.

Configuration: Filter Configuration



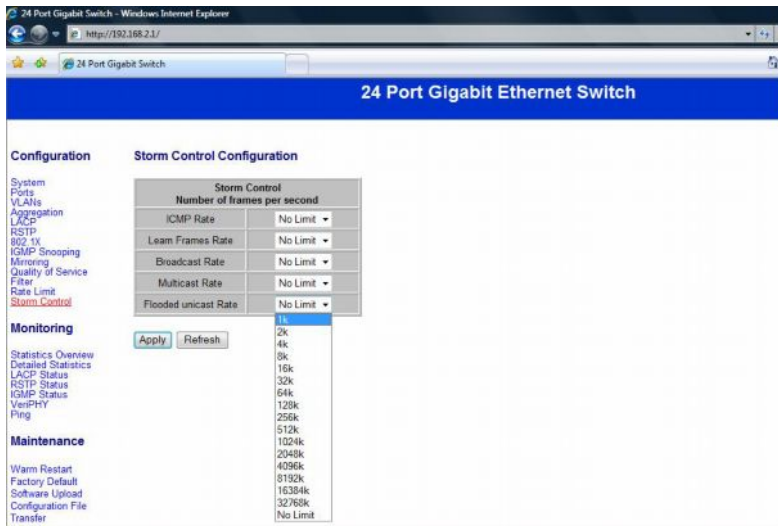
Select the "Port no." which you want to configure the mode to enable/disable filtering IP address.

Configuration: Rate Limit Configuration



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

Configuration: Storm Control configuration



You can set up storm control by configuring the modes.

Monitoring: Statistics Overview for All Ports

24 Port Gigabit Switch - Windows Internet Explorer

http://192.168.2.1/

24 Port Gigabit Switch

24 Port Gigabit Ethernet Switch

Statistics Overview for all ports

Configuration

System
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Factory Default
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Configuration File
Transfer

Port	Tx Bytes	Tx Frames	Rx Bytes	Rx Frames	Tx Errors	Rx Errors
1	0	0	0	0	0	0
2	0	0	0	0	0	0
3	0	0	0	0	0	0
4	98880	207	63304	539	0	0
5	0	0	0	0	0	0
6	0	0	0	0	0	0
7	0	0	0	0	0	0
8	0	0	0	0	0	0
9	0	0	0	0	0	0
10	0	0	0	0	0	0
11	0	0	0	0	0	0
12	0	0	0	0	0	0
13	0	0	0	0	0	0
14	0	0	0	0	0	0
15	0	0	0	0	0	0
16	0	0	0	0	0	0

You can read statistics for all ports.

Monitoring: Detailed Statistics

24 Port Gigabit Switch - Windows Internet Explorer

http://192.168.2.1/

24 Port Gigabit Ethernet Switch

Statistics for Port 1

Clear Refresh

Port 1	Port 2	Port 3	Port 4	Port 5	Port 6	Port 7	Port 8
Port 9	Port 10	Port 11	Port 12	Port 13	Port 14	Port 15	Port 16
Port 17	Port 18	Port 19	Port 20	Port 21	Port 22	Port 23	Port 24

Configuration

- System
- Ports
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- RSTP
- 802.1X
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- Filter
- Rate Limit
- Storm Control

Monitoring

- Statistics Overview
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- LACP Status
- RSTP Status
- IGMP Status
- VenPHY
- Ping

Maintenance

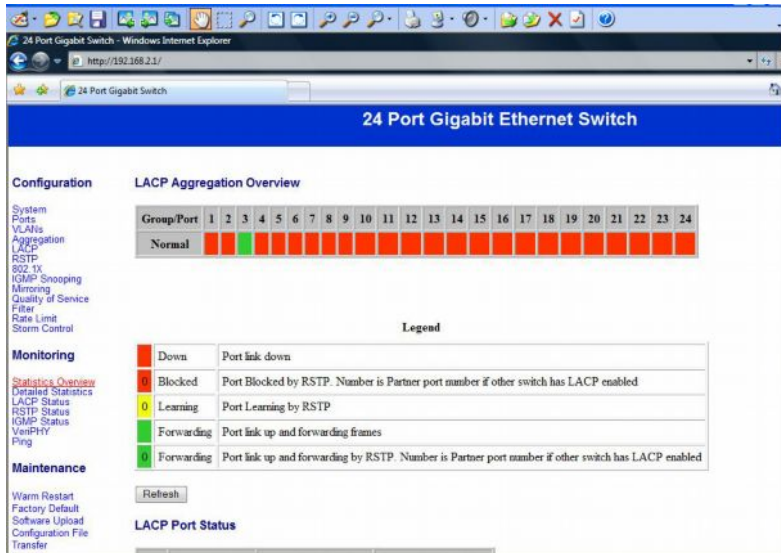
- Warm Restart
- Factory Default
- Software Upload
- Configuration File Transfer

Receive Total		Transmit Total	
Rx Packets	0	Tx Packets	0
Rx Octets	0	Tx Octets	0
Rx High Priority Packets	-	Tx High Priority Packets	-
Rx Low Priority Packets	-	Tx Low Priority Packets	-
Rx Broadcast	-	Tx Broadcast	-
Rx Multicast	-	Tx Multicast	-
Rx Broad- and Multicast	0	Tx Broad- and Multicast	0
Rx Error Packets	0	Tx Error Packets	0

Receive Size Counters		Transmit Size Counters	
Rx 64 Bytes	-	Tx 64 Bytes	-
Rx 65-127 Bytes	-	Tx 65-127 Bytes	-
Rx 128-255 Bytes	-	Tx 128-255 Bytes	-
Rx 256-511 Bytes	-	Tx 256-511 Bytes	-

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

Monitoring: LACP Status



You can read LACP status for LACP ports.

Monitoring: RSTP Status

24 Port Gigabit Ethernet Switch

Configuration

- System
- Ports
- VLANs
- Aggregation
- LACP
- RSTP
- RDP Vx
- IGMP Snooping
- Minoring
- Quality of Service
- Filter
- Rate Limit
- Storm Control

Monitoring

- Statistics Overview
- Detailed Statistics
- LACP Status
- RSTP Status
- IGMP Status
- VerPHY
- Ping

Maintenance

- Warm Restart
- Factory Default
- Software Upload
- Configuration File Transfer

RSTP VLAN Bridge Overview

VLAN Id	Bridge Id	Hello Time	Max Age	Fwd Delay	Topology	Root Id
1	32769-00-03-ce-07-06-f1	2	20	15	Steady	This switch is Root!

RSTP Port Status

Port/Group	Vlan Id	Path Cost	Edge Port	P2p Port	Protocol	Port State
Port 1						Non-STP
Port 2						Non-STP
Port 3						Non-STP
Port 4						Non-STP
Port 5						Non-STP
Port 6						Non-STP
Port 7						Non-STP
Port 8						Non-STP
Port 9						Non-STP
Port 10						Non-STP

You can read RSTP status for RSTP ports.

Monitoring: IGMP Status



You can read IGMP status for IGMP ports.

Monitoring: VeriPHY Cable Diagnostics

24 Port Gigabit Ethernet Switch

Configuration

- System
- Ports
- VLANs
- Aggregation
- LACP
- RSTP
- 802.1X
- IGMP Snooping
- Minimizing
- Quality of Service
- Filter
- Rate Limit
- Storm Control

VeriPHY Cable Diagnostics

Port: Port 1
 Mode: Full
 Apply

Cable Status

Pair	Length [m]	Status
A	-	-
B	-	-
C	-	-
D	-	-

Monitoring

- Statistics Overview
- Detailed Statistics
- LACP Status
- RSTP Status
- IGMP Status
- VeriPHY
- Ping

Maintenance

- Warm Restart
- Factory Default
- Software Upload
- Configuration File Transfer

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

24 Port Gigabit Switch - Windows Internet Explorer
http://192.168.2.1/

24 Port Gigabit Ethernet Switch

Configuration
System
Ports
VLANs
Aggregation
LACP
RSTP
802.1X
IGMP Snooping
Mirroring
Quality of Service
Filter
Rate Limit
Storm Control

Ping Parameters
Target IP address:
Count: 1
Time Out (in secs): 1

5
10
30

Monitoring
Statistics Overview
Detailed Statistics
LACP Status
RSTP Status
IGMP Status
VeriPHY
Ping

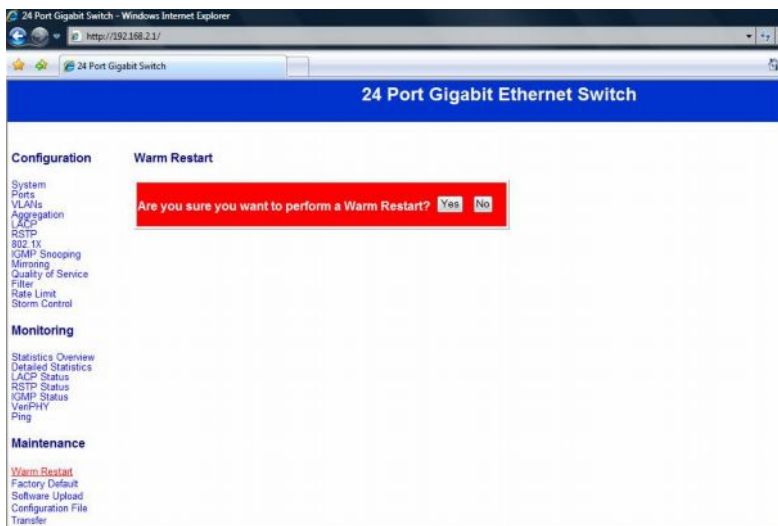
Ping Results

Target IP address	0.0.0.0
Status	Test complete
Received replies	0
Request timeouts	0
Average Response Time (in ms)	0

Maintenance
Warm Restart
Factory Default
Software Upload
Configuration File
Transfer

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

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.

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

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.

A screenshot of a web browser displaying a login page for a Web Smart Switch. The page has a light blue background. At the top, the text "Please enter password to login" is displayed in a bold, dark blue font. Below this text is a login form with a label "Password:" in a dark grey box, followed by a white text input field with a grey border. At the bottom left of the form is a small, light grey button with the word "Apply" in a dark grey font.

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

IP: 192.168.2.1

Password: admin