

niveon

P R O F E S S I O N A L



NGS24U

**24 Port 10M/100M/1000M Desktop
Gigabit Ethernet Switch**

User's Manual

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

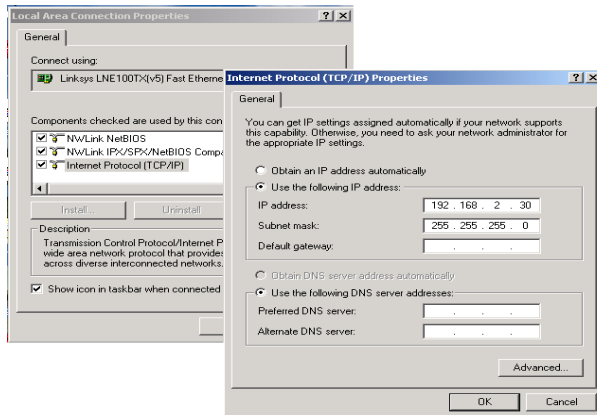
Please follow the steps to configure this Web Smart switch.

Step 1:

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

Step 2:

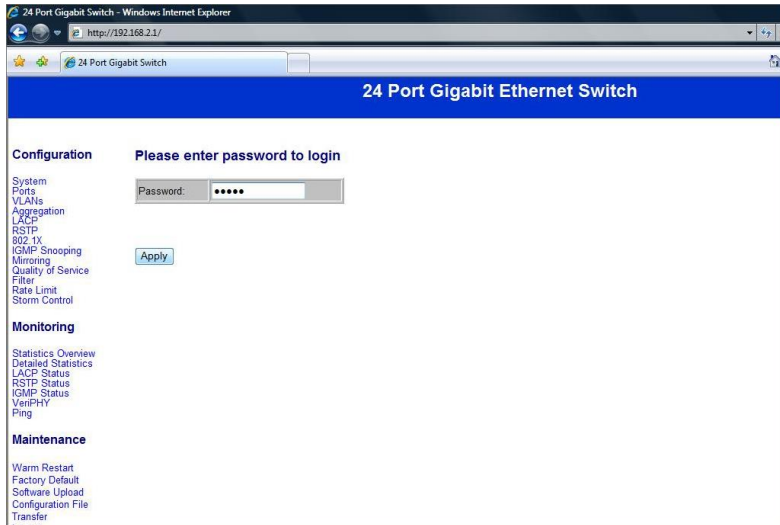
Set your PC's IP to 192.168.2.xx.



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**
- **Logout**

Configuration: System Configuration

The screenshot shows the configuration page for 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 page is divided into two main sections: "Configuration" and "System Configuration".

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-f0
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	<input type="text" value="192.168.2.1"/>
Fallback Subnet Mask	<input type="text" value="255.255.255.0"/>
Fallback Gateway	<input type="text" value="192.168.2.254"/>
Management VLAN	<input type="text" value="1"/>
Name	<input type="text"/>
Password	<input type="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

Configuration

Port Configuration

Enable Jumbo Frames

PERFECT_REACH/Power Saving Mode:

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

The screenshot shows a web browser window titled "24 Port Gigabit Switch - Windows: Internet Explorer" with the address bar displaying "http://192.168.2.1/". The page content is for a "24 Port Gigabit Ethernet Switch" and is divided into several sections:

- Configuration**
 - System
 - Ports
 - VLANs** (highlighted)
 - 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
 - VenPHY
 - Ping
- Maintenance**
 - Warm Restart
 - Factory Default
 - Software Upload
 - Configuration File Transfer

The main content area is titled "Port Segmentation (VLAN) Configuration" and includes:

- An "Add a VLAN" section with a "VLAN ID" input field and an "Add" button.
- A "VLAN Configuration List" section with a table containing one row with the value "1" in the first column. Below the table are "Modify", "Delete", and "Refresh" buttons, and a "Port Config" button.

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

The screenshot shows a web interface for a 24 Port Gigabit Ethernet Switch. The main title is "24 Port Gigabit Ethernet Switch". The left sidebar contains a "Configuration" menu with items like System, Ports, VLANs, Aggregation (highlighted), LACP, RSTP, 802.1x, IGMP Snooping, Mirroring, Quality of Service, Filter, Rate Limit, and Storm Control. Below this is a "Monitoring" section with Statistics Overview, Detailed Statistics, LACP Status, RSTP Status, IGMP Status, VlanPHY, and Ping. The "Maintenance" section includes Warm Restart, Factory Default, Software Upload, Configuration File, and Transfer. The main content area is titled "Aggregation/Trunking Configuration" and features a table with 8 groups and 24 ports.

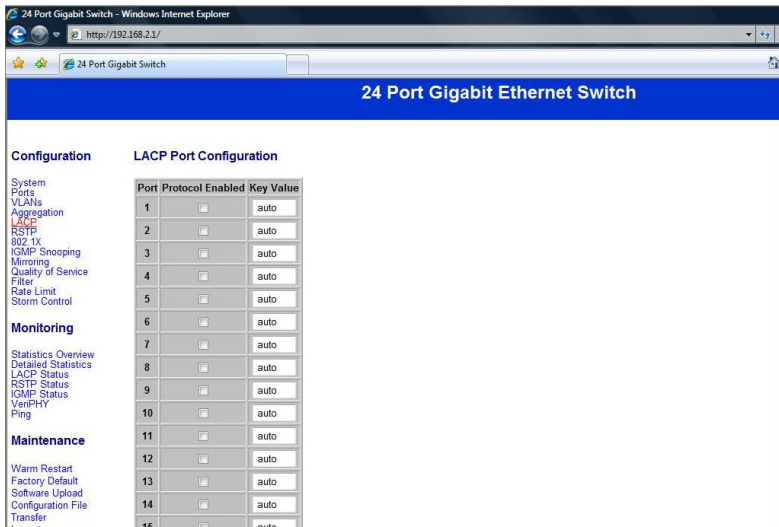
Group	Port	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Normal		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Group 1		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Group 2		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Group 3		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Group 4		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Group 5		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Group 6		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Group 7		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Group 8		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

At the bottom of the configuration area, there are "Apply" and "Refresh" buttons.

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



The screenshot shows a web browser window titled "24 Port Gigabit Switch - Windows Internet Explorer" with the address bar displaying "http://192.168.2.1/". The page content is titled "24 Port Gigabit Ethernet Switch" and features a navigation menu on the left with categories: Configuration, Monitoring, and Maintenance. The main content area is titled "LACP Port Configuration" and contains a table with 15 rows, each representing a port. Each row has three columns: "Port", "Protocol Enabled", and "Key Value". The "Protocol Enabled" column contains a checkbox, and the "Key Value" column contains a text input field with the value "auto".

Port	Protocol Enabled	Key Value
1	<input type="checkbox"/>	auto
2	<input type="checkbox"/>	auto
3	<input type="checkbox"/>	auto
4	<input type="checkbox"/>	auto
5	<input type="checkbox"/>	auto
6	<input type="checkbox"/>	auto
7	<input type="checkbox"/>	auto
8	<input type="checkbox"/>	auto
9	<input type="checkbox"/>	auto
10	<input type="checkbox"/>	auto
11	<input type="checkbox"/>	auto
12	<input type="checkbox"/>	auto
13	<input type="checkbox"/>	auto
14	<input type="checkbox"/>	auto
15	<input type="checkbox"/>	auto

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

Configuration: RSTP Configuration

The screenshot shows a web browser window titled "24 Port Gigabit Switch - Windows Internet Explorer" with the address bar displaying "http://192.168.2.1/". The page header is "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

RSTP System Configuration

System Priority	32768
Hello Time	2
Max Age	20
Forward Delay	15
Force version	Normal

Monitoring

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

RSTP Port Configuration

Port	Protocol Enabled	Edge	Path Cost
Aggregations	<input type="checkbox"/>		
1	<input type="checkbox"/>	<input checked="" type="checkbox"/>	auto
2	<input type="checkbox"/>	<input checked="" type="checkbox"/>	auto
3	<input type="checkbox"/>	<input checked="" type="checkbox"/>	auto
4	<input type="checkbox"/>	<input checked="" type="checkbox"/>	auto
5	<input type="checkbox"/>	<input checked="" type="checkbox"/>	auto
6	<input type="checkbox"/>	<input checked="" type="checkbox"/>	auto

Maintenance

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

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

Configuration: 802.1x Configuration

Configuration **802.1X 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

Mode: Disabled ▾

RADIUS IP: 0.0.0.0

RADIUS UDP Port: 1812

RADIUS Secret:

Port	Admin State	Port State			
1	Force Authorized ▾	802.1X Disabled	Re-authenticate	Force Reinitialize	Statistics
2	Force Authorized ▾	802.1X Disabled	Re-authenticate	Force Reinitialize	Statistics
3	Force Authorized ▾	802.1X Disabled	Re-authenticate	Force Reinitialize	Statistics
4	Force Authorized ▾	802.1X Disabled	Re-authenticate	Force Reinitialize	Statistics
5	Force Authorized ▾	802.1X Disabled	Re-authenticate	Force Reinitialize	Statistics
6	Force Authorized ▾	802.1X Disabled	Re-authenticate	Force Reinitialize	Statistics
7	Force Authorized ▾	802.1X Disabled	Re-authenticate	Force Reinitialize	Statistics
8	Force Authorized ▾	802.1X Disabled	Re-authenticate	Force Reinitialize	Statistics
9	Force Authorized ▾	802.1X Disabled	Re-authenticate	Force Reinitialize	Statistics
10	Force Authorized ▾	802.1X Disabled	Re-authenticate	Force Reinitialize	Statistics
11	Force Authorized ▾	802.1X Disabled	Re-authenticate	Force Reinitialize	Statistics

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

- Auto
- Force Authorized
- Force Unauthorized

Configuration: IGMP Configuration

The screenshot shows the configuration page for 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".

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

IGMP Configuration

IGMP Enabled

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

Unregistered IPMC Flooding enabled

VLAN ID	IGMP Snooping Enabled	IGMP Querying Enabled
1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Apply Refresh

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

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

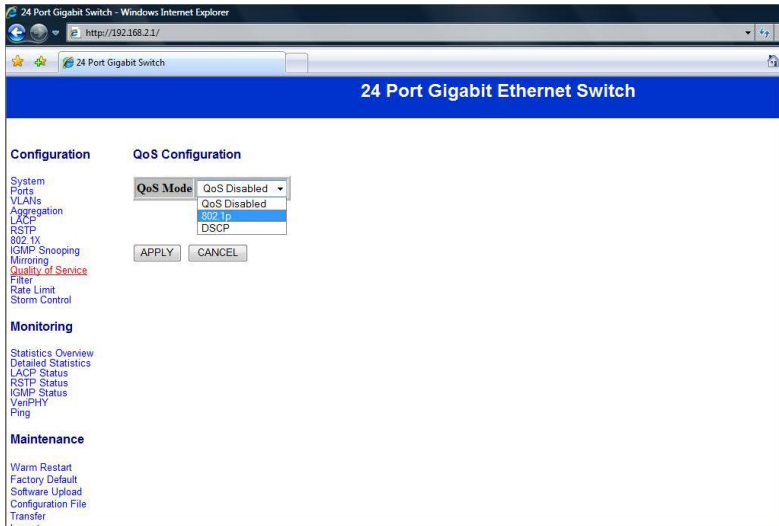
Mirroring Configuration

Port	Mirror Source
1	<input type="checkbox"/>
2	<input type="checkbox"/>
3	<input type="checkbox"/>
4	<input type="checkbox"/>
5	<input type="checkbox"/>
6	<input type="checkbox"/>
7	<input type="checkbox"/>
8	<input type="checkbox"/>
9	<input type="checkbox"/>
10	<input type="checkbox"/>
11	<input type="checkbox"/>
12	<input type="checkbox"/>
13	<input type="checkbox"/>
14	<input type="checkbox"/>
15	<input type="checkbox"/>
16	<input type="checkbox"/>
17	<input type="checkbox"/>

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

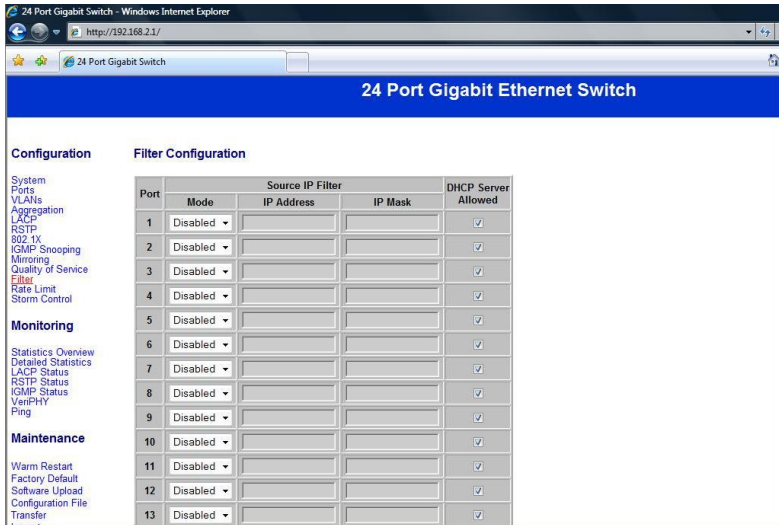
Select the Destination port from port 1 to port 24, and then select the Source port by clicking the checking box of each port.

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



The screenshot shows a web interface for a 24 Port Gigabit Ethernet Switch. The browser address bar shows <http://192.168.2.1/>. The page title is "24 Port Gigabit Ethernet Switch". The main content area is titled "Filter Configuration" and contains a table with the following structure:

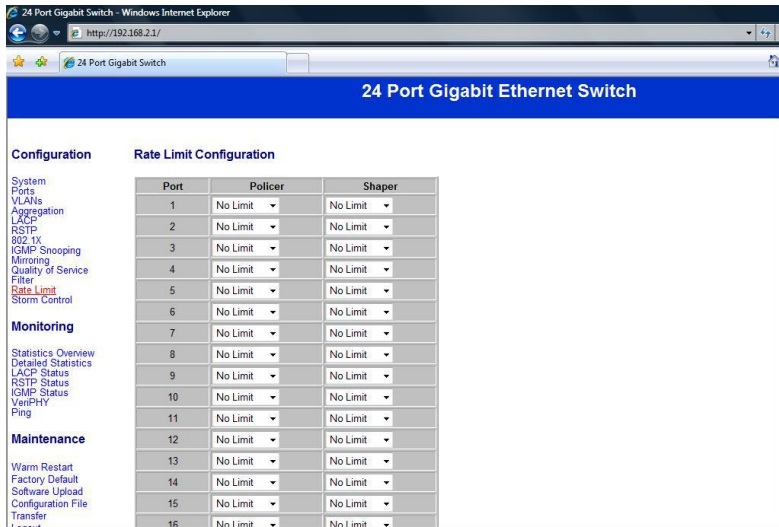
Port	Source IP Filter			DHCP Server Allowed
	Mode	IP Address	IP Mask	
1	Disabled			<input checked="" type="checkbox"/>
2	Disabled			<input checked="" type="checkbox"/>
3	Disabled			<input checked="" type="checkbox"/>
4	Disabled			<input checked="" type="checkbox"/>
5	Disabled			<input checked="" type="checkbox"/>
6	Disabled			<input checked="" type="checkbox"/>
7	Disabled			<input checked="" type="checkbox"/>
8	Disabled			<input checked="" type="checkbox"/>
9	Disabled			<input checked="" type="checkbox"/>
10	Disabled			<input checked="" type="checkbox"/>
11	Disabled			<input checked="" type="checkbox"/>
12	Disabled			<input checked="" type="checkbox"/>
13	Disabled			<input checked="" type="checkbox"/>

On the left side of the page, there is a navigation menu with the following items:

- 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

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

Configuration: Rate Limit Configuration



The screenshot shows a web browser window titled "24 Port Gigabit Switch - Windows Internet Explorer" with the address bar displaying "http://192.168.2.1/". The page header is "24 Port Gigabit Ethernet Switch". The main content area is titled "Rate Limit Configuration". On the left, there is a navigation menu with the following items: Configuration, System, Ports, VLANs, Aggregation, LACP, RSTP, 802.1X, IGMP Snooping, Mirroring, Quality of Service, Filter, Rate Limit (highlighted in red), 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, and Local.

Port	Policer	Shaper
1	No Limit	No Limit
2	No Limit	No Limit
3	No Limit	No Limit
4	No Limit	No Limit
5	No Limit	No Limit
6	No Limit	No Limit
7	No Limit	No Limit
8	No Limit	No Limit
9	No Limit	No Limit
10	No Limit	No Limit
11	No Limit	No Limit
12	No Limit	No Limit
13	No Limit	No Limit
14	No Limit	No Limit
15	No Limit	No Limit
16	No Limit	No Limit

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

Configuration: Storm Control configuration

The screenshot shows a web interface for a 24 Port Gigabit Ethernet Switch. The browser address bar shows <http://192.168.2.1/>. The page title is "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**

Storm Control Configuration

Storm Control	
Number of frames per second	
ICMP Rate	No Limit
Learn Frames Rate	No Limit
Broadcast Rate	No Limit
Multicast Rate	No Limit
Flooded unicast Rate	No Limit

Monitoring

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

Maintenance

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

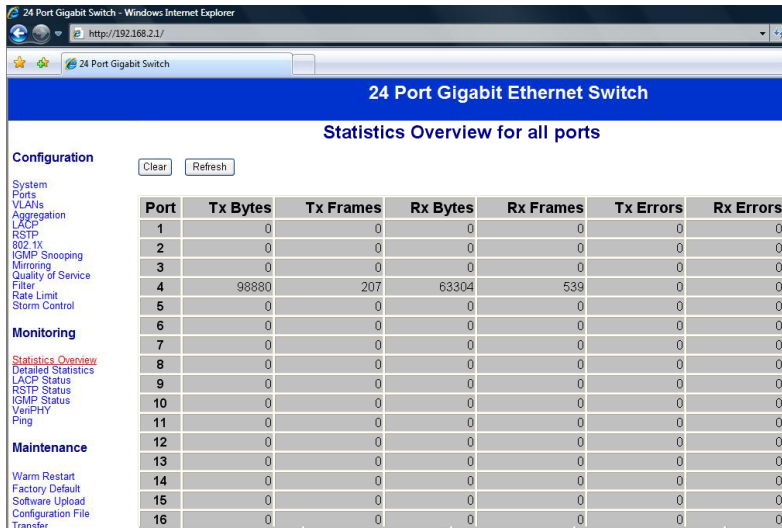
Rate Limit Dropdown Menu:

- 1k
- 2k
- 4k
- 8k
- 16k
- 32k
- 64k
- 128k
- 256k
- 512k
- 1024k
- 2048k
- 4096k
- 8192k
- 16384k
- 32768k
- No Limit

Buttons:

You can set up storm control by configuring the modes.

Monitoring: Statistics Overview for All Ports



The screenshot shows a web browser window titled "24 Port Gigabit Switch - Windows Internet Explorer" with the address bar displaying "http://192.168.2.1/". The page content is titled "24 Port Gigabit Ethernet Switch" and "Statistics Overview for all ports". On the left, there is a navigation menu with categories: Configuration, Monitoring, and Maintenance. The main area contains a table with 7 columns: Port, Tx Bytes, Tx Frames, Rx Bytes, Rx Frames, Tx Errors, and Rx Errors. The table lists 16 ports. Port 4 shows non-zero values: Tx Bytes: 98880, Tx Frames: 207, Rx Bytes: 63304, Rx Frames: 539. All other ports have zero values for all metrics. There are "Clear" and "Refresh" buttons above the table.

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

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 main heading is "Statistics for Port 1".

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
- VenPHY
- Ping

Maintenance

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

Buttons:

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

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

24 Port Gigabit Ethernet Switch

Configuration

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

Monitoring

- [Statistics Overview](#)
- Detailed Statistics
- LACP Status
- RSTP Status
- IGMP Status
- VenPHY
- Ping

Maintenance

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

LACP Aggregation Overview

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

Legend

Down	Port link down
Blocked	Port Blocked by RSTP. Number is Partner port number if other switch has LACP enabled
Learning	Port Learning by RSTP
Forwarding	Port link up and forwarding frames
Forwarding	Port link up and forwarding by RSTP. Number is Partner port number if other switch has LACP enabled

LACP Port Status

Refresh

You can read LACP status for LACP ports.

Monitoring: RSTP Status

The screenshot shows a web browser window titled "24 Port Gigabit Switch - Windows Internet Explorer" with the address bar displaying "http://192.168.2.1/". The page content is for a "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
- VenPHY
- Ping

Maintenance

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

RSTP VLAN Bridge Overview

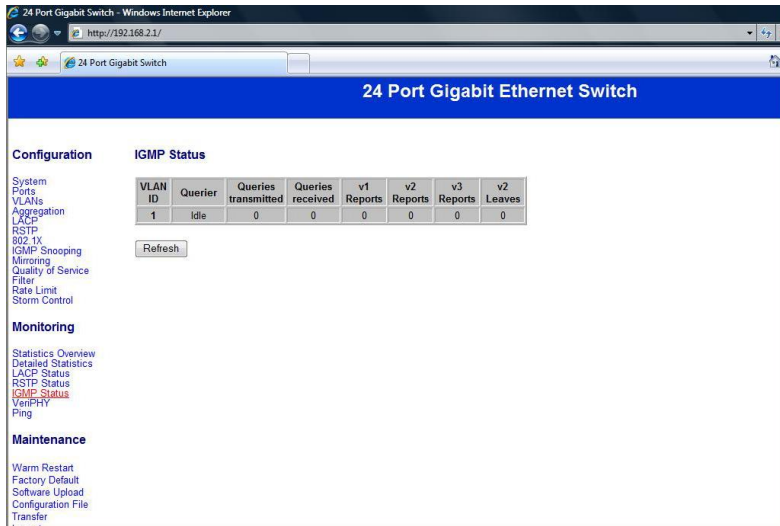
VLAN Id	Bridge Id	Hello Time	Max Age	Fwd Delay	Topology	Root Id
1	32769.00-03-ce-07-06-f1	2	20	15	Steady	This switch is Root!

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



The screenshot shows the web interface of a 24 Port Gigabit Ethernet Switch. The browser window title is "24 Port Gigabit Switch - Windows: Internet Explorer" and the address bar shows "http://192.168.2.1/". The page title is "24 Port Gigabit Ethernet Switch".

The interface is divided into three main sections: Configuration, Monitoring, and Maintenance. The "IGMP Status" section is currently active and displays a table with the following data:

VLAN ID	Querier	Queries transmitted	Queries received	v1 Reports	v2 Reports	v3 Reports	v2 Leaves
1	Idle	0	0	0	0	0	0

Below the table is a "Refresh" button. The left sidebar contains the following menu items:

- 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
- VenPHY
- Ping
- Maintenance**
- Warm Restart
- Factory Default
- Software Upload
- Configuration File
- Transfer

You can read IGMP status for IGMP ports.

Monitoring: VeriPHY Cable Diagnostics

The screenshot shows the web interface of a 24 Port Gigabit Ethernet Switch. The browser title is "24 Port Gigabit Switch - Windows: Internet Explorer" and the address bar shows "http://192.168.2.1/". The page title is "24 Port Gigabit Ethernet Switch".

Configuration

VeriPHY Cable Diagnostics

Port: Port 1
Mode: Full
Anomaly: Anomaly w/o X-pair

Apply

Monitoring

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

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

The screenshot shows a web browser window titled "24 Port Gigabit Switch - Windows Internet Explorer" with the address bar displaying "http://192.168.2.1/". The page header is "24 Port Gigabit Ethernet Switch".

Configuration

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

Ping Parameters

Target IP address:

Count: 1

Time Out (in secs): 1

Apply

Monitoring

- Statistics Overview
- Detailed Statistics
- LACP Status
- RSTP Status
- GMP Status
- VenPHY
- Ping

Maintenance

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

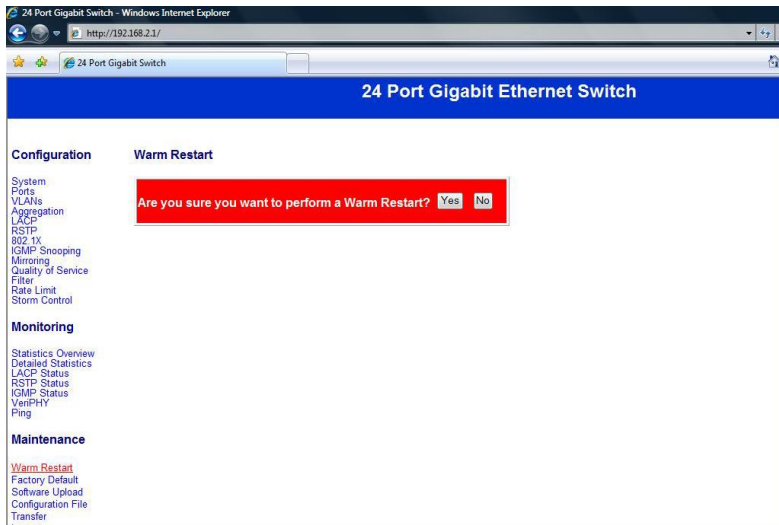
Ping Results

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

Refresh

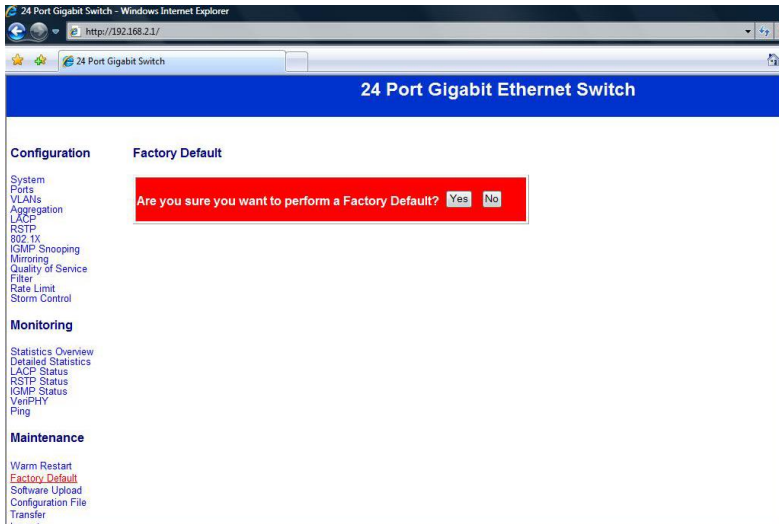
You can set target IP address by setting the mode which you want.

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



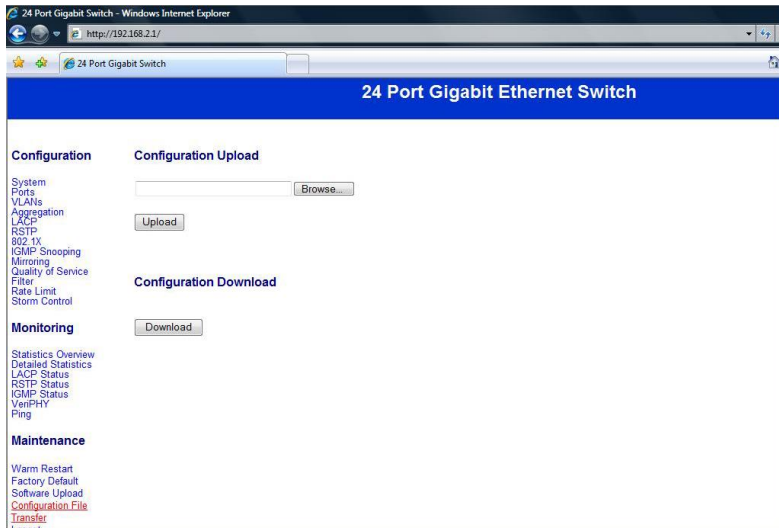
You can select yes/no to perform a Factory Default, and then the new settings will change according to your selection.

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.

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.



The image shows a web interface for password authentication. At the top, it says "Please enter password to login" in blue text. Below this is a "Password:" label followed by a text input field. At the bottom left of the form area is an "Apply" button.

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

IP: 192.168.2.1
Password: admin