

EW-524iW

**24 Port Nway Fast Ethernet
Web Smart Switch**

User's Manual

Web Smart Switch

Configure

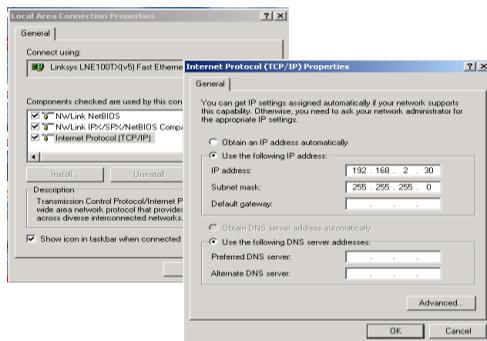
Please follow the steps to configure this Web Smart switch.

Step 1:

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

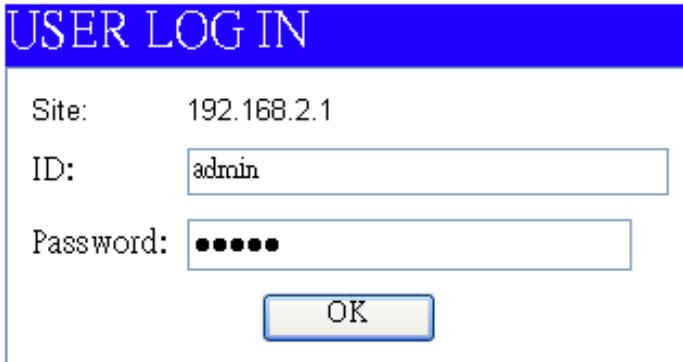
Step 2:

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 site, and then you will see the login screen.



A screenshot of a web browser's login page. The page has a blue header with the text "USER LOG IN" in white. Below the header, there are three input fields: "Site:" with the value "192.168.2.1", "ID:" with the value "admin", and "Password:" with six black dots. Below the password field is a button labeled "OK".

Key in the user ID and the password to pass the authentication,

IP: 192.168.2.1

ID: admin

Password: admin

After the authentication procedure, the home page shows up.

Step 4:

On the following home page, select the configuration by clicking the icon. It includes,

- Administrator
- Port Management
- VLAN Setting
- QoS Setting
- Port Security
- Logout

24-Port 10/100Mbps Modular Fast Ethernet Switch

Welcome to Use 24-Port 10/100Mbps Modular Fast Ethernet Switch
24 Ports plus 2 Expansion

| Flow metering | VLAN Support | Basic Feature |
|---|---|--|
| <ul style="list-style-type: none">Bandwidth control | <ul style="list-style-type: none">VLAN Groups | <ul style="list-style-type: none">Embedded HTTP web Managementupload/download ConfigurationTFTP Software upgradeableSecure ManagementPassword security |

Administrator: Authentication Configuration

24-Port 10/100Mbps Modular Fast Ethernet Switch

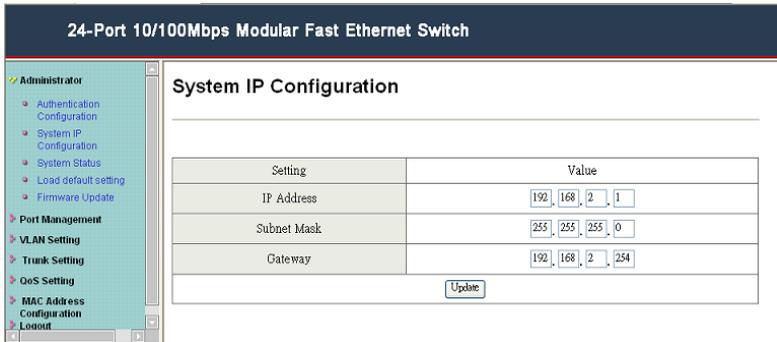
Authentication Configuration

| Setting | Value |
|------------------|--|
| Username | <input type="text" value="admin"/> max:15 Characters |
| Password | <input type="password" value="*****"/> max:15 Characters |
| Confirm Password | <input type="password" value="*****"/> |

You can change the user name and the password, and click

“Update” to confirm the new change. After that, you can reset this switch by power off and then power on to take the new user name and the password effectively.

Administrator: System IP Configuration



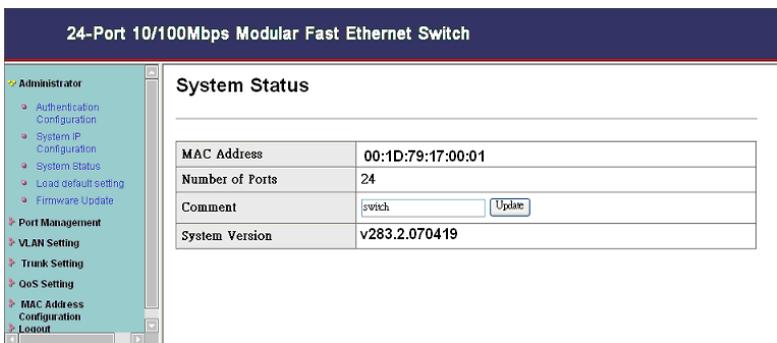
The screenshot shows the 'System IP Configuration' page. On the left is a navigation menu with options like Authentication Configuration, System IP Configuration, System Status, Load default setting, Firmware Update, Port Management, VLAN Setting, Trunk Setting, QoS Setting, MAC Address Configuration, and Logout. The main area contains a table with the following data:

| Setting | Value |
|-------------|---------------------|
| IP Address | 192 168 2 1 |
| Subnet Mask | 255 255 255 0 |
| Gateway | 192 168 2 254 |

Below the table is an 'Update' button.

You can change the IP address by typing the new IP address and click “Update” to confirm the new change, and then the message will show “Setting Process OK!”, After that, you should reset this switch by power off and then power on it to complete the new change.

Administrator: System Status



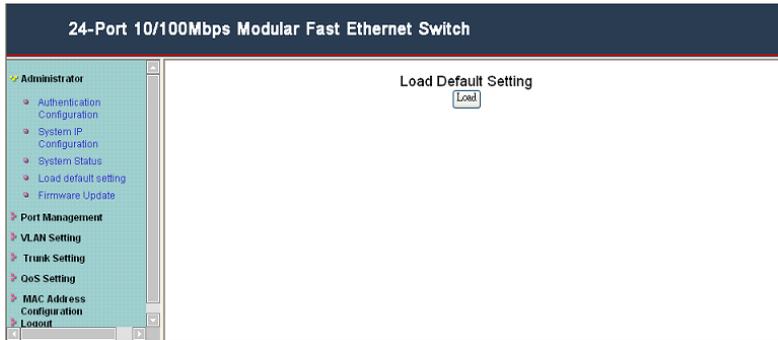
The screenshot shows the 'System Status' page. On the left is a navigation menu with options like Authentication Configuration, System IP Configuration, System Status, Load default setting, Firmware Update, Port Management, VLAN Setting, Trunk Setting, QoS Setting, MAC Address Configuration, and Logout. The main area contains a table with the following data:

| | |
|-----------------|---|
| MAC Address | 00:1D:79:17:00:01 |
| Number of Ports | 24 |
| Comment | <input type="text" value="switch"/> <input type="button" value="Update"/> |
| System Version | v283.2.070419 |

It shows this switch MAC address, and you can select “Back to the

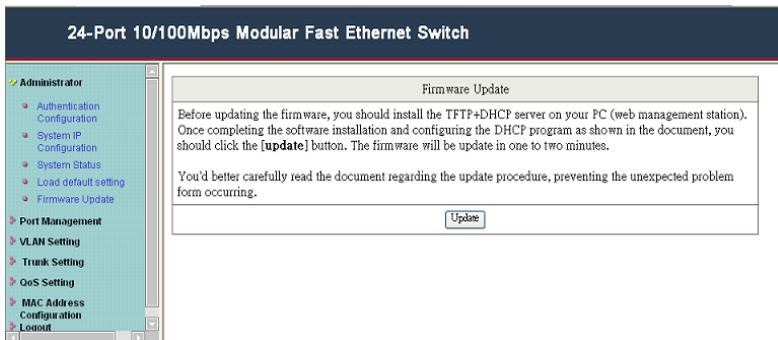
last display” or “Logout” when the time’s out.

Administrator: Load Default Setting to EEPROM



You can click “Load” to load the new factory default setting, and then reset the switch by power off and then power on to take it effectively.

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.

Port Management: Port Control Configuration

24-Port 10/100Mbps Modular Fast Ethernet Switch

Port Configuration

| Port No. | Forced-Off | Link Capability | Duplex | Pause | Backpressure |
|----------|------------|-----------------|--------|--------|--------------|
| 01 | Disable | Auto-Nego. | Full | Enable | Enable |

Update

| Port | Current Status | | | | Setting Status | | | | |
|------|----------------|-------|--------|----------|----------------|------------|--------|-------|--------------|
| | Link | Speed | Duplex | FlowCtrl | F-off | Capability | Duplex | Pause | Backpressure |
| 1 | --- | --- | --- | --- | Disable | Auto | full | on | on |
| 2 | --- | --- | --- | --- | Disable | Auto | full | on | on |

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

“Capability” - Auto-Nego. or force on 100M or 10M mode

“Duplex” - you can select the port is full/half-duplex or enable/disable this port.

Port Management: Port Mirroring

24-Port 10/100Mbps Modular Fast Ethernet Switch

Port Mirroring

Destination Port: 01

Monitored Packets: Disable

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

Update

! Only one destination port is active all the time.

Port mirroring is used to mirror traffic from the source port to a destination port for analysis.

Select the destination port from port 1 to port 24, and select the source port by click the checking box of the port.

Port Management: Bandwidth Control

The screenshot shows the configuration interface for a 24-Port 10/100Mbps Modular Fast Ethernet Switch. The left sidebar contains a navigation menu with categories like System IP Configuration, System Status, Load default setting, Firmware Update, Port Management, VLAN Setting, Trunk Setting, and QoS Setting. The main content area is titled "Bandwidth Control" and features a table with three columns: "Port No.", "Tx Rate", and "Rx Rate".

| Port No | Tx Rate | Rx Rate |
|---------|---------|---------|
| 01 | 100M | 100M |

Below the table are "Update" and "LoadDefault" buttons. A note states: "If the link speed of selected port is lower than the rate that you setting, this system will use the value of link speed as your setting rate."

Select the "Port No." which you want to configure the mode below, "TX Rate" is meant you can set the maximum transmission rate of this selected port and choose the full speed or in 128K/256K/512K/1M/2M/4M/8M speed. "RX Rate" is meant you can set the maximum receiving rate of this selected port and choose full speed or in 128K/256K/512K/1M/2M/4M/8M speed.

Port Management: Broadcast Storm Control

The screenshot shows the configuration interface for a 24-Port 10/100Mbps Modular Fast Ethernet Switch. The left sidebar contains a navigation menu with categories like System IP Configuration, System Status, Load default setting, Firmware Update, Port Management, VLAN Setting, Trunk Setting, and QoS Setting. The main content area is titled "Broadcast Storm Control" and features a table with two columns: "Enable" and "Threshold".

| | |
|-----------|--------------------------|
| Enable | <input type="checkbox"/> |
| Threshold | 127 1-127 |

Below the table is an "Update" button. 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 10 ms for 100Mbps speed and 100 ms for 10Mbps speed"

You can enable or disable the broadcast storm protection feature by clicking “Update”.

VLAN Setting: Group VLAN Setting

24-Port 10/100Mbps Modular Fast Ethernet Switch

Group VLAN Setting

Group No: 01

| | | | | | | | | | | | | |
|-------------|--------------------------|--------------------------|--------------------------|-------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| Member Port | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 |
| | <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="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

Comment:

There are 12 VLAN groups, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12 can be used.

You can select a group, and then click the port number which you want to put it into the selected VLAN group.

VLAN Setting: Multi to 1 Setting

24-Port 10/100Mbps Modular Fast Ethernet Switch

Multi to 1 Setting

Destination PortNo: 01

| | | | | | | | | | | | | |
|-----------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| Current Setting | Port:- | | | | | | | | | | | |
| | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 |
| Disable Port | <input type="checkbox"/> |
| | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| | <input type="checkbox"/> |

1. A example for Multi-to-1 structure

This is a special design for easily setting the switch VLAN into “VLAN Per Port“. After this setting, all ports can only connect to the destination port.

Trunk Setting: Trunk Configuration

The screenshot shows the 'Trunk Configuration' page for a '24-Port 10/100Mbps Modular Fast Ethernet Switch'. The left sidebar contains a navigation menu with categories like 'Port Management', 'VLAN Setting', 'Trunk Setting', 'QoS Setting', and 'MAC Address Configuration'. The main content area is titled 'Trunk Configuration' and features a table for selecting ports for two trunk groups, Trunk0 and Trunk1. The 'Trunk Hash Algorithm Selection' is set to 'Port ID'. Below the table is an 'Update' button and a note: '1. Selecting one port for a trunk will be treated as a void setting.'

| Trunk Hash Algorithm Selection | <input checked="" type="radio"/> Port ID <input type="radio"/> SA <input type="radio"/> DA <input type="radio"/> SA & DA | | | |
|--------------------------------|--|--------------------------|--------------------------|--------------------------|
| Trunk0 | Port1 | Port2 | Port3 | Port4 |
| | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Trunk1 | Port5 | Port6 | Port7 | Port8 |
| | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

1. Selecting one port for a trunk will be treated as a void setting.

Set up port trunk groups, and click the port number you want to include it into the same group. There are two groups to choose, and the maximum of ports for one group is 4.

QoS Setting: Priority Mode

The screenshot shows the 'Priority Mode' page for a '24-Port 10/100Mbps Modular Fast Ethernet Switch'. The left sidebar is similar to the previous screenshot, with 'QoS Setting' expanded to show 'Priority Mode'. The main content area is titled 'Priority Mode' and contains a 'Priority Mode' section with three radio button options: 'First-In-First-Service' (selected), 'All-High-before-Low', and 'Weight-Round-Robin'. Below these are two dropdown menus for 'Low weight' and 'High weight', both set to '0'. An 'Update' button is located below the dropdowns. A note at the bottom states: 'When the queue weight is set to "0", it will be treated as "8".'

Priority Mode

Mode

First-In-First-Service
 All-High-before-Low
 Weight-Round-Robin

Low weight: 0 High weight: 0

When the queue weight is set to "0", it will be treated as "8".

Click the priority mode you want, there are three priority modes to choose.

QoS Setting: Class of Service Configuration

24-Port 10/100Mbps Modular Fast Ethernet Switch

Class of Service Configuration

=Enable High Priority

| Port No/Mode | Port Base | VLAN Tag | IP / DS | Port No/Mode | Port Base | VLAN Tag | IP / DS |
|--------------|--------------------------|--------------------------|--------------------------|--------------|--------------------------|--------------------------|--------------------------|
| 1 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 13 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 2 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 14 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 3 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 15 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 4 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 16 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 5 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 17 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 6 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 18 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

You can select the class of service for each port.

MAC Address Configuration: MAC Address Configuration

24-Port 10/100Mbps Modular Fast Ethernet Switch

MAC Address Configuration

| Port No | MAC Address | | | | | | | | | | | | | | | | | | |
|---------|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 1 | <table border="1"> <tr> <td>ff</td><td>ff</td><td>ff</td><td>ff</td><td>ff</td><td>ff</td> </tr> <tr> <td>ff</td><td>ff</td><td>ff</td><td>ff</td><td>ff</td><td>ff</td> </tr> <tr> <td>ff</td><td>ff</td><td>ff</td><td>ff</td><td>ff</td><td>ff</td> </tr> </table> <p>Read</p> | ff |
| ff | ff | ff | ff | ff | ff | | | | | | | | | | | | | | |
| ff | ff | ff | ff | ff | ff | | | | | | | | | | | | | | |
| ff | ff | ff | ff | ff | ff | | | | | | | | | | | | | | |

Select Port 01 Filter Disable Update

| Port No | Filter Status | Port No | Filter Status |
|---------|---------------|---------|---------------|
| 1 | Disable | 13 | Disable |

Select the port number which you want to enable/disable the MAC address. For the filtering function of the port, please click "Update" to take the setting effectively.

Logout: You can click "Logout" to logout.