



# ALL0484WMP

24 Port 10/100TX Full PWR PoE and 2 Gigabit TP/SFP Web Management Switch

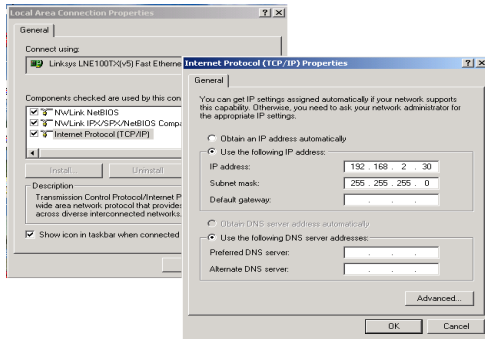
# User Manual

## Web Smart Switch Configure

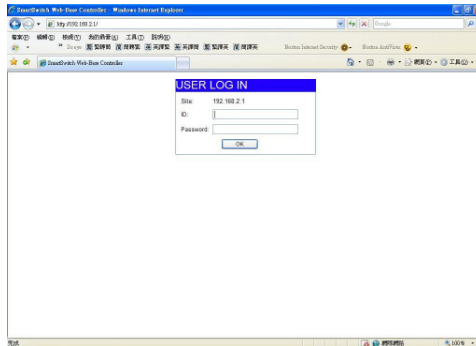
Please follow the steps to configure this Web Smart switch.

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.



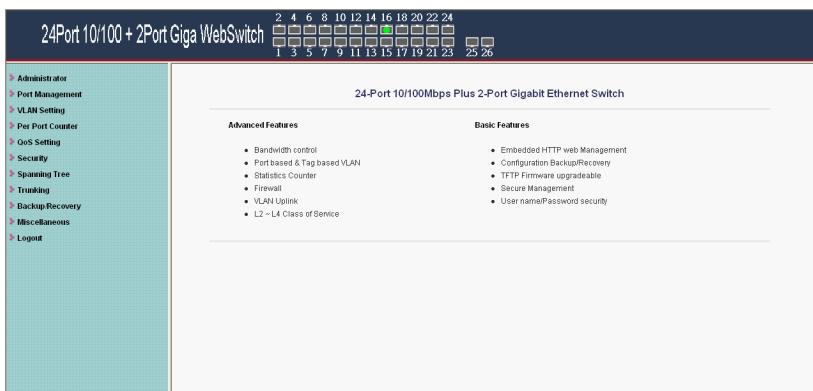
Step 3: Open the web browser (like IE...), and go to 192.168.2.1. Then you will see the login screen.



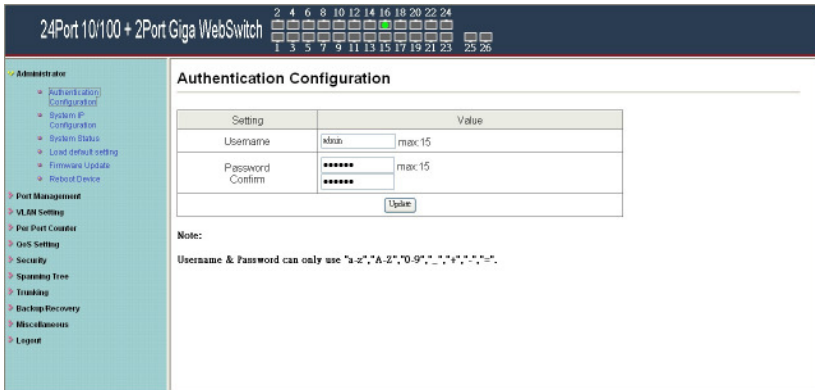
ID: admin  
Password: admin

**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



24Port 10/100 + 2Port Giga WebSwitch

2 4 6 8 10 12 14 16 18 20 22 24  
1 3 5 7 9 11 13 15 17 19 21 23 25 26

- Administration
  - Authentication Configuration
  - System IP Configuration
  - System Status
  - Load default setting
  - Firmware Update
  - Reboot Device
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### Authentication Configuration

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

Note:  
Username & Password can only use "a-z","A-Z","0-9","\_","-","\*","."','.'."

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

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2 4 6 8 10 12 14 16 18 20 22 24  
 1 3 5 7 9 11 13 15 17 19 21 23 25 26

**System IP Configuration**

Setting	Value
IP Address	190 . 168 . 1 . 1
Subnet Mask	255 . 255 . 255 . 0
Gateway	190 . 168 . 1 . 254
IP Configure	<input checked="" type="radio"/> Static <input type="radio"/> DHCP

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.

Now, the setting of “System IP Configuration” is finished.

## Administrator: System Status

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2 4 6 8 10 12 14 16 18 20 22 24  
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- Administration
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### System Status

MAC Address	10:10:13:10:18:26
Number of Ports	24*2
Comment	[web] MAX:15
Contact	[Changes] MAX:15
Location	[Changes] MAX:15
System Version	IP1826_WebCtrl_IP210SDK2_L3.4_v104

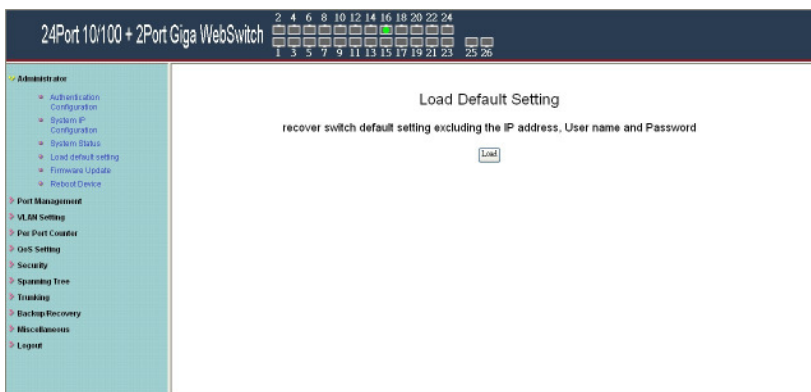
Note:  
Comment name only can use "a-z","A-Z","\_"," ","\*",".", "0-9"

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.

Now, the setting of “System Status” is finished.

## Administrator: Load Default Setting

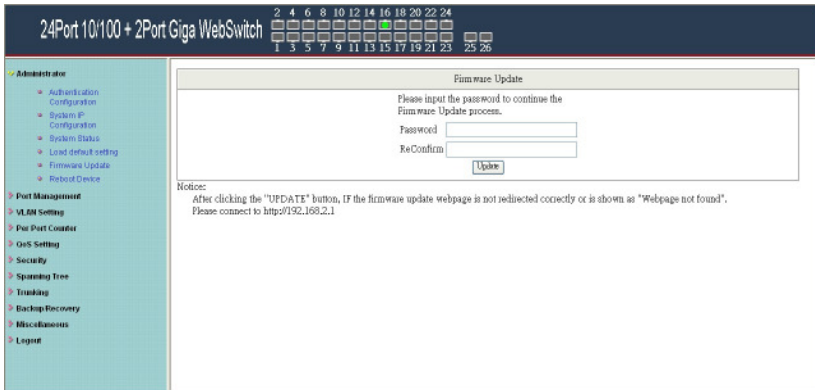


1. Click “Load” to back to the factory default setting.

**\*\*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

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2 4 6 8 10 12 14 16 18 20 22 24  
1 3 5 7 9 11 13 15 17 19 21 23  
25 26

- Administrator
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  - Port Configuration
  - Port Mirroring
  - Bandwidth Control
  - Broadcast Storm Control
  - POE
- VLAN Setting
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- Logout

### Port Configuration

Function	Tx/Rx Ability	Auto-Negotiation	Speed	Duplex	Pause	Backpressure	Addr. Learning
Select Port No.	---	---	---	---	---	---	---

01  02  03  04  05  06  07  08  09  10  11  12  13

14  15  16  17  18  19  20  21  22  23  24  25  26

Port	Current Status				Setting Status						
	Link	Speed	Duplex	FlowCtrl	Tx/Rx Ability	Auto-Nego	Speed	Duplex	Pause	Backpressure	Addr. Learning
1	---	---	---	---	ON	AUTO	100M	FULL	ON	ON	OFF
2	---	---	---	---	ON	AUTO	100M	FULL	ON	ON	OFF
3	---	---	---	---	ON	AUTO	100M	FULL	ON	ON	OFF
4	---	---	---	---	ON	AUTO	100M	FULL	ON	ON	OFF
5	---	---	---	---	ON	AUTO	100M	FULL	ON	ON	OFF
6	---	---	---	---	ON	AUTO	100M	FULL	ON	ON	OFF
7	---	---	---	---	ON	AUTO	100M	FULL	ON	ON	OFF
8	---	---	---	---	ON	AUTO	100M	FULL	ON	ON	OFF
9	---	---	---	---	ON	AUTO	100M	FULL	ON	ON	OFF
10	---	---	---	---	ON	AUTO	100M	FULL	ON	ON	OFF
11	---	---	---	---	ON	AUTO	100M	FULL	ON	ON	OFF
12	---	---	---	---	ON	AUTO	100M	FULL	ON	ON	OFF
13	---	---	---	---	ON	AUTO	100M	FULL	ON	ON	OFF
14	---	---	---	---	ON	AUTO	100M	FULL	ON	ON	OFF
15	---	---	---	---	ON	AUTO	100M	FULL	ON	ON	OFF
16	●	100M	FULL	ON	ON	AUTO	100M	FULL	ON	ON	ON
17	---	---	---	---	ON	AUTO	100M	FULL	ON	ON	OFF
18	---	---	---	---	ON	AUTO	100M	FULL	ON	ON	OFF
19	---	---	---	---	ON	AUTO	100M	FULL	ON	ON	OFF
20	---	---	---	---	ON	AUTO	100M	FULL	ON	ON	OFF
21	---	---	---	---	ON	AUTO	100M	FULL	ON	ON	OFF
22	---	---	---	---	ON	AUTO	100M	FULL	ON	ON	OFF
23	---	---	---	---	ON	AUTO	100M	FULL	ON	ON	OFF
24	---	---	---	---	ON	AUTO	100M	FULL	ON	ON	OFF
25	---	---	---	---	ON	AUTO	1000M	FULL	ON	ON	OFF
26	---	---	---	---	ON	AUTO	1000M	FULL	ON	ON	OFF

Select the “Port No.” - configure the mode below:

1. Tx Cap Ability- enable/disable for the selected port.
2. Auto-Negotiation- enable/disable Auto-Negotiation.
3. Speed - 10M, 100M or 1000M mode for the selected port.
4. Duplex - Full or Half-Duplex mode for the selected port.
5. Pause - enable/disable for the selected port.
6. Backpressure - enable/disable for the selected port.
7. Addr. Learning - enable/disable for the selected port.

After press the “Update”, the setting of “Port Configuration” is finished.

## Port Management: Port Mirroring

24Port 10/100 + 2Port Giga WebSwitch

Administration

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  - Port Mirroring
  - Bandwidth Control
  - Break-out Storm Control
  - POE
- VLAN Setting
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- Spanning Tree
- Trunking
- Backup Recovery
- Miscellaneous
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### Port Mirroring

Dest Port	1	2	3	4	5	6	7	8	9	10	11	12	13
	<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"/>	<input type="checkbox"/>
	14	15	16	17	18	19	20	21	22	23	24	25	26
	<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"/>	<input type="checkbox"/>

Monitored Packets:

Source Port	1	2	3	4	5	6	7	8	9	10	11	12	13
	<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"/>	<input type="checkbox"/>
	14	15	16	17	18	19	20	21	22	23	24	25	26
	<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"/>	<input type="checkbox"/>

Click to Mark Status Reaction

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

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1 3 5 7 9 11 13 15 17 19 21 23 25 26

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### Bandwidth Control

Port No.	Tx Rate	Rx Rate
01	(0~255) [ ] (0 Full Speed)	(0~255) [ ] (0 Full Speed)
Speed Base	Low Low: (1)32Kbps Tx/Rx bandwidth resolution for port 1~ port 26. Actual Tx/Rx bandwidth=Rate value x 32 kbps. The rate value is 1~255. High: (1)2550-kbps Tx/Rx bandwidth resolution for port 1~ port 24. Actual Tx/Rx bandwidth=Rate value x 2550/kbps. The rate value is 1~255. When link speed is 10MB. The rate value is 1~39. (2)the bandwidth resolution is 2048(kbps) for port 25, port 26. Actual Tx/Rx bandwidth=Rate value x 2048(kbps). The rate value is 1~255. When link speed is 10MB. The rate value is 1~4. When link speed is 100MB. The rate value is 1~48.	
<input type="button" value="Update"/> <input type="button" value="LoadDefault"/>		

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.  
If the rate field is shown in red text, it means the link speed is lower than the using bandwidth.

Port No.	Tx Rate	Rx Rate	Link Speed	Port No.	Tx Rate	Rx Rate	Link Speed
1	Full Speed	Full Speed	---	14	Full Speed	Full Speed	---
2	Full Speed	Full Speed	---	15	Full Speed	Full Speed	---
3	Full Speed	Full Speed	---	16	Full Speed	Full Speed	100M
4	Full Speed	Full Speed	---	17	Full Speed	Full Speed	---
5	Full Speed	Full Speed	---	18	Full Speed	Full Speed	---
6	Full Speed	Full Speed	---	19	Full Speed	Full Speed	---
7	Full Speed	Full Speed	---	20	Full Speed	Full Speed	---
8	Full Speed	Full Speed	---	21	Full Speed	Full Speed	---
9	Full Speed	Full Speed	---	22	Full Speed	Full Speed	---
10	Full Speed	Full Speed	---	23	Full Speed	Full Speed	---
11	Full Speed	Full Speed	---	24	Full Speed	Full Speed	---
12	Full Speed	Full Speed	---	25	Full Speed	Full Speed	---
13	Full Speed	Full Speed	---	26	Full Speed	Full Speed	---

1. Select the “Port No.”: you can choose port 1 to port 26.
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: 556 kbps
5. Click “Update” to confirm the setting or “LoadDefault”.  
Now, the setting of “Bandwidth Control” is finished.

## Port Management: Broadcast Storm Control

**Broadcast Storm Control**

Threshold:  (1-63)

Enable Port	1	2	3	4	5	6	7	8	9	10	11	12	13
	<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"/>	<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"/>	<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"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

This value indicates the number of broadcast packet which is allowed to enter each port in one time unit. One time unit is 50us for Gigabit speed, 500 us for 100Mbps speed and 5000us for 10Mbps speed.

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

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2 4 6 8 10 12 14 16 18 20 22 24
1 3 5 7 9 11 13 15 17 19 21 23
25 26

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### POE Configuration

Port	1	2	3	4	5	6	7	8
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	---	---	---	---	---	---	---	---
Port	09	10	11	12	13	14	15	16
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	---	---	---	---	---	---	---	---
Port	17	18	19	20	21	22	23	24
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

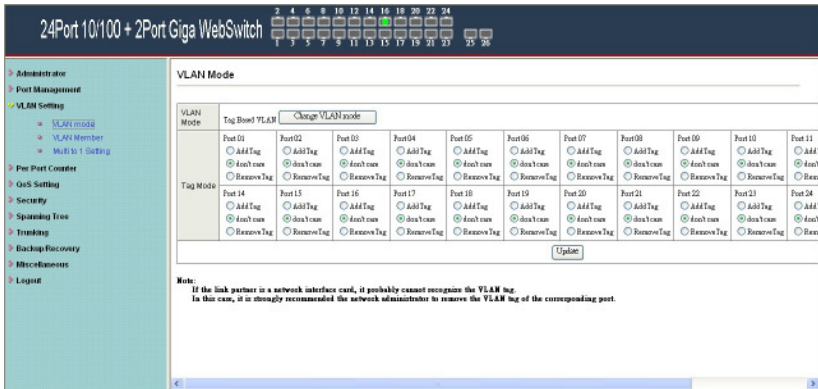
**Enable:**  Power Off

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



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

Click “Change VLAN mode” to select the mode.

**\*\*If the Port Based VLAN function is enabled, Tag Based VLAN and Multi to 1 setting function will be disabled automatically.**

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

## VLAN Setting: VLAN Member Setting (Tag Based)

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VLAN Member Setting (Tag Based)

VLAN ID:  VID:  [Reset]

VLAN ID	01	02	03	04	05	06	07	08	09	10	11	12	13
Dest PORT	<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"/>	<input type="checkbox"/>
select	<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"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Dest PORT	14	15	16	17	18	19	20	21	22	23	24	25	26
select	<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"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Index: Index value is 1-32

Port Index	01	02	03	04	05	06	07	08	09	10	11	12	13
Port Index	<input type="text" value="01"/>	<input type="text" value="02"/>	<input type="text" value="03"/>	<input type="text" value="04"/>	<input type="text" value="05"/>	<input type="text" value="06"/>	<input type="text" value="07"/>	<input type="text" value="08"/>	<input type="text" value="09"/>	<input type="text" value="10"/>	<input type="text" value="11"/>	<input type="text" value="12"/>	<input type="text" value="13"/>
Port Index	14	15	16	17	18	19	20	21	22	23	24	25	26
Port Index	<input type="text" value="14"/>	<input type="text" value="15"/>	<input type="text" value="16"/>	<input type="text" value="17"/>	<input type="text" value="18"/>	<input type="text" value="19"/>	<input type="text" value="20"/>	<input type="text" value="21"/>	<input type="text" value="22"/>	<input type="text" value="23"/>	<input type="text" value="24"/>	<input type="text" value="25"/>	<input type="text" value="26"/>

[Update] [LoadDefault]

**Example 1:**  
 If the incoming packet does not contain a VID, IP/Ethernet adds a VLAN index to the incoming packet.  
 The following table shows two cases.  
 (a) One port maps to one VID, (b) Multiple ports map to one VID.

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 Member” is finished.



## VLAN Setting: Multi to 1 Setting

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**Multi to 1 Setting**

Destination PortNo: 01

Current Setting	Port-											
Disable Port	01	02	03	04	05	06	07	08	09	10	11	12
	13	14	15	16	17	18	19	20	21	22	23	24

Note: "Disable port" disables the switch physical port which is disabled.  
[Update](#)

1. A example for Multi-to-1 structure

**Ports**      **VLAN Groups**

01      1

02      2

⋮      ⋮

⋮      ⋮

24      24

Destination Port/  
Current Setting

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.  
3. This configuration is port base VLAN only.

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

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2 4 6 8 10 12 14 16 18 20 22 24  
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- ▶ Port Management
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- ▶ Trunking
- ▶ Backup/Recovery
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- ▶ Logout

### Counter Category

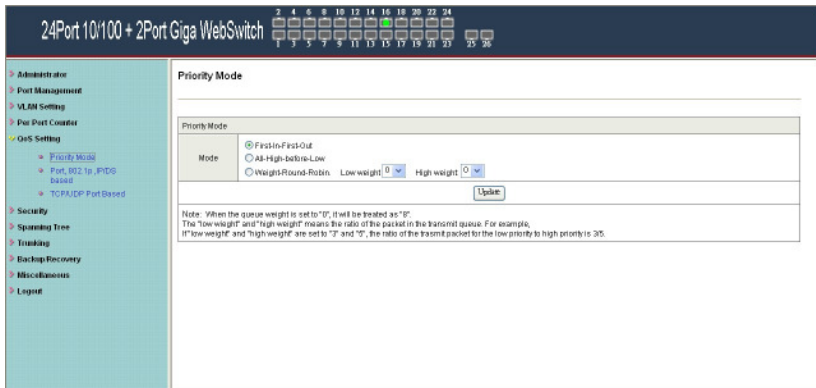
Counter Mode Selection: Transmit Packet & Receive Packet

Port	Transmit Packet	Receive 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
09	0	0
10	0	0
11	0	0
12	0	0
13	0	0
14	0	0
15	0	0
16	12988	18777
17	0	0
18	0	0
19	0	0
20	0	0
21	0	0
22	0	0
23	0	0
24	0	0
25	0	0
26	0	0

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

Click “Refresh” or “Clear” the data.

## QoS Setting: Priority Mode



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Priority Mode

Priority Mode

Mode

First-In-First-Out  
 All-High-before-Low  
 Weight-Round-Robin Low weight: 0 High weight: 10

Update

Note: When the queue weight is set to "0", it will be treated as "1".  
 The "low weight" and "high weight" means the ratio of the packet in the transmit queue. For example,  
 if "low weight" and "high weight" are set to "1" and "10", the ratio of the transmit packet for the low priority to high priority is 1:10.

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 – All packets will be assigned to either Q2 (high) priority queue or Q1 (low) priority queue.
3. Weight-Round-Robin- 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

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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"/>	14	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	15	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	16	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	17	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	18	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	19	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	20	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	21	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	22	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	23	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	24	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	25	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	26	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

As long as any of three CoS schemes(002,1p,IP TOS/DS or Port Base) is mapped to "high", the data packet will be treated as the high priority.

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

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2 4 6 8 10 12 14 16 18 20 22 24  
1 3 5 7 9 11 13 15 17 19 21 23 25 26

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Class of Service Configuration

Protocol	Option
FTP(20,21)	FIFO
SSH(22)	FIFO
TELNET(23)	FIFO
SMTP(25)	FIFO
DNS(53)	FIFO
TFTP(69)	FIFO
HTTP(80,8080)	FIFO
POP3(110)	FIFO
NEWS(119)	FIFO
SNTP(123)	FIFO
NMBIOS(137-139)	FIFO
IMAP(143,230)	FIFO
SNMP(161,162)	FIFO
HTTPS(443)	FIFO
MSN(1863)	FIFO
XRD_RDP(3389)	FIFO

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Q/Q(400,800)		F-FFO			
ICQ(5190)		F-FFO			
Yahoo(5050)		F-FFO			
BOOTP_DHCP(67,68)		Low			
User_Define_a		F-FFO			
User_Define_b		F-FFO			
User_Define_c		F-FFO			
User_Define_d		F-FFO			
User_Define Port number (1-65535) Mask(0-255)	User_Define_a Port: <input type="text"/> Mask: <input type="text"/>	User_Define_b Port: <input type="text"/> Mask: <input type="text"/>	User_Define_c Port: <input type="text"/> Mask: <input type="text"/>	User_Define_d Port: <input type="text"/> Mask: <input type="text"/>	
<p><b>Note:</b>The mask defines which bit is ignored within the IP address bit 0 - bit 7. For example, UDP/TCP port= 65535 and mask= 5, this means 65530, 65531, 65534 and 65535 are all taken into account. UDP/TCP port=65534 and mask=0, this means only 65534 is taken into account.</p> <p><b>TCP/UDP port CoS function:</b> <input type="button" value="Not Overload"/></p> <p><b>Note:</b>When the "override" item is selected, the Port_based, Tag_based, IP_TOS_based, CoS listed above will be ignored.</p>					
<input type="button" value="Update"/>					
<p>The Class of Service for TCP/UDP port number allows the network administrator to assign the specific application to a priority queue.</p> <p><b>F-F-F-O:</b> The incoming packet will be forwarded in first-in-first-out scheme.</p> <p><b>Discard:</b> The incoming packet will be discarded at the source port.</p> <p><b>High:</b> The incoming packet will be forwarded with the high priority.</p> <p><b>Low:</b> The incoming packet will be forwarded with the Low priority.</p>					

Base on different protocol, you can choose four different types of Class of Service for each TCP/UDP port number -First-in-First-out, Discard, High Priority or Law Priority to control the incoming packet.

Click "Update" to confirm and finish the setting.

Now, the setting of "Class of Service" is finished.

## Security: MAC Address Filter

The screenshot shows the configuration page for MAC Address Binding on a switch. The interface includes a top status bar with port indicators, a left navigation menu, and a main configuration area. The configuration area has a form for setting MAC address binding on a specific port, a table showing the binding status for all ports, and a note about the effect of enabling this feature.

**MAC Address Binding**

Port No. 1

MAC Address

Select Port: 01 Binding: Enable Update

Note: If you enable the MAC address binding function, the address learning function will be disabled automatically. Then both ESTP/GTP and address learning will be affected.

Port No.	Binding Status	Port No.	Binding Status
1	Enable	14	Enable
2	Enable	15	Enable
3	Enable	16	Disable
4	Enable	17	Enable
5	Enable	18	Enable
6	Enable	19	Enable
7	Enable	20	Enable
8	Enable	21	Enable
9	Enable	22	Enable
10	Enable	23	Enable
11	Enable	24	Enable
12	Enable	25	Enable
13	Enable	26	Enable

Note: The MAC address of current management connection is 00:18:ED:3A:3:81 at port 16.

Set special MAC address to activate on the selected port

1. Choose “Select Port” – port 1~26
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

**TCP\_UDP Filter Configuration**

Function Enable:

Port Filtering Rule:

Note:  
 (1) The outgoing packet with selected protocol will be either forwarded or dropped at secure WAN port as the figure shown below.  
 (2) "deny" means the selected protocol will be dropped and other protocols will be forwarded.  
 "positive" means the selected protocol will be forwarded and other protocol will be dropped.

Protocol	<input type="checkbox"/> FTP (20,21)	<input type="checkbox"/> SSH (22)	<input type="checkbox"/> TELNET (23)	<input type="checkbox"/> SMTP(25)	<input type="checkbox"/> DNS(53)	<input type="checkbox"/> TFTP(69)	<input type="checkbox"/> HTTP (80,8080)	<input type="checkbox"/> POP3(110)	<input type="checkbox"/> IMAPS (119)	<input type="checkbox"/> SMTP (135)	<input type="checkbox"/> S
	<input type="checkbox"/> SNMP (161,162)	<input type="checkbox"/> HTTPS (443)	<input type="checkbox"/> XRDP_RDP (67,69)	<input type="checkbox"/> BOOTP_DHCP (67,69)	<input type="checkbox"/> User_Define_a	<input type="checkbox"/> User_Define_b	<input type="checkbox"/> User_Define_c	<input type="checkbox"/> User_Define_d			
Secure WAN port	<input type="checkbox"/> Port1	<input type="checkbox"/> Port2	<input type="checkbox"/> Port3	<input type="checkbox"/> Port4	<input type="checkbox"/> Port5	<input type="checkbox"/> Port6	<input type="checkbox"/> Port7	<input type="checkbox"/> Port8	<input type="checkbox"/> Port9	<input type="checkbox"/> Port10	<input type="checkbox"/> P
	<input type="checkbox"/> Port11	<input type="checkbox"/> Port14	<input type="checkbox"/> Port15	<input type="checkbox"/> Port16	<input type="checkbox"/> Port17	<input type="checkbox"/> Port18	<input type="checkbox"/> Port19	<input type="checkbox"/> Port20	<input type="checkbox"/> Port21	<input type="checkbox"/> Port22	<input type="checkbox"/> P
	<input type="checkbox"/> 25	<input type="checkbox"/> 26									

Note: The description of Secure WAN port is shown below.

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. Protocol – choose protocols which you want.

### 3. Secure WAN 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.

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

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



## Spanning Tree: STP Bridge Settings

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 Spanning Tree  
 STP Bridge Setting  
 STP Port Settings  
 Trunking  
 Backup Recovery  
 Miscellaneous  
 Logout

STP Bridge Settings

STP Bridge Status				
STP Mode	Bridge Priority	Hello Time	Max Age	Forward Delay
Disable	0-61440	1-10 Sec	0-40 Sec	4-30 Sec
[Submit]				

Max Age := 2 \* Forward Delay - 1 := Max Age  
 Max Age := 2 \* Forward Delay

STP Bridge Status					
STP Mode	Bridge ID	Hello Time	Max Age	Forward Delay	Root ID
RSTP	2076810 R013 R018 26	4	30	15	Yes the most 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 “Submit” to confirm and finish the setting.

Now, the setting of “STP Bridge Settings” is finished.

# Spanning Tree: STP Port Settings

24Port 10/100 + 2Port Giga WebSwitch

 2 4 6 8 10 12 14 16 18 20 22 24  
 1 3 5 7 9 11 13 15 17 19 21 23 25 26

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**STP Port Settings**

STP Port Settings

Port No.	Priority (0~240)	RPC (1-200000000) 0=AUTO
<input type="text" value="1"/>	<input type="text" value="0"/>	<input type="text" value="0=AUTO"/>
<input type="button" value="Submit"/>		

STP Port Status						
Port No.	RPC	Priority	State	Status	Designated Bridge	Designated Port
1	Auto 0	0x00	--	Disable	--	--
2	Auto 0	0x00	--	Disable	--	--
3	Auto 0	0x00	--	Disable	--	--
4	Auto 0	0x00	--	Disable	--	--
5	Auto 0	0x00	--	Disable	--	--
6	Auto 0	0x00	--	Disable	--	--
7	Auto 0	0x00	--	Disable	--	--
8	Auto 0	0x00	--	Disable	--	--
9	Auto 0	0x00	--	Disable	--	--
10	Auto 0	0x00	--	Disable	--	--
11	Auto 0	0x00	--	Disable	--	--
12	Auto 0	0x00	--	Disable	--	--
13	Auto 0	0x00	--	Disable	--	--
14	Auto 0	0x00	--	Disable	--	--
15	Auto 0	0x00	--	Disable	--	--
16	Auto 200000	0x00	Designated Port	Forwarding	--	--
17	Auto 0	0x00	--	Disable	--	--
18	Auto 0	0x00	--	Disable	--	--
19	Auto 0	0x00	--	Disable	--	--
20	Auto 0	0x00	--	Disable	--	--
21	Auto 0	0x00	--	Disable	--	--
22	Auto 0	0x00	--	Disable	--	--
23	Auto 0	0x00	--	Disable	--	--
24	Auto 0	0x00	--	Disable	--	--
25	Auto 0	0x00	--	Disable	--	--
26	Auto 0	0x00	--	Disable	--	--

1. Choose "Port No.": Port 1 ~ Port 26
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.

## Trunk Setting: Trunk Configuration

24Port 10/100 + 2Port Giga WebSwitch

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VLAN Setting  
Port Port Config  
Port Setting  
Security  
Spanning Tree  
Trunking  
Link Aggregation  
Backup Recovery  
Miscellaneous  
Logout

Trunking

System Priority: 1 (1-65535)

Link Aggregation Algorithm: MAC\_Sec8Det

Submit

Network

Member	Link Group 1				Link Group 2				Link Group 3	
	F1	F2	F3	F4	F5	F6	F7	F8	F25	F26
State	Disable	Disable	Disable	Disable	Disable	Disable	Disable	Disable	Disable	Disable
Type	LACP	LACP	LACP	LACP	LACP	LACP	LACP	LACP	LACP	LACP
Operation Key	1 (1-65535)				2 (1-65535)				3 (1-65535)	
Time Out	Short Time Out	Short Time Out	Short Time Out	Short Time Out	Short Time Out	Short Time Out	Short Time Out	Short Time Out	Short Time Out	Short Time Out
Activity	Passive	Passive	Passive	Passive	Passive	Passive	Passive	Passive	Passive	Passive

Submit

There are two groups to choose and each group is 4 ports and the third group is for 2 ports.

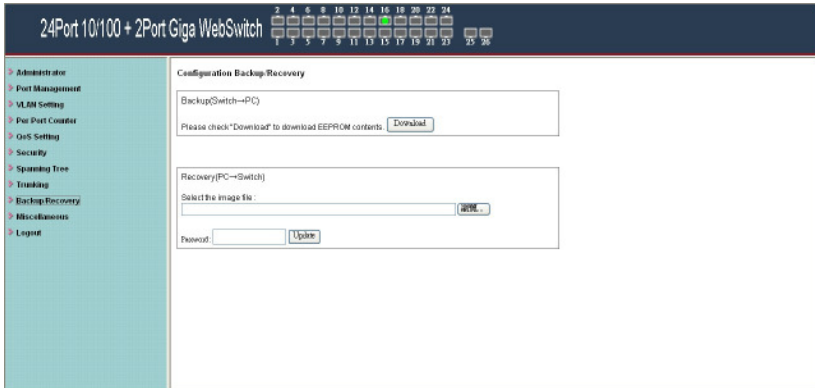
Click “Submit” to confirm and finish the setting.

“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”.**

## Configuration Backup/Recovery



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

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

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



## **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:**

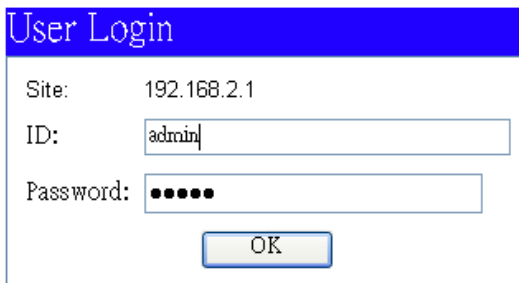
Turn on the Web Smart Switch

### **Step 2:**

Press and hold the reset button continuously for 5 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 'User Login' dialog box with a blue header. It contains three input fields: 'Site' with the value '192.168.2.1', 'ID' with the value 'admin', and 'Password' with five black dots. Below the fields is an 'OK' button.

Key in the user ID and the password to pass the authentication; the user ID and the password are “admin”

IP: 192.168.2.1  
ID: admin  
Password: system



10.03.2010

EC – Declaration of conformity

For the following product

**ALL0484WMP 24 Port 10/100TX Full PWR POE + 2 Gigabit TP/SFP**



This device complies with the essential requirements of the EMC Directive 2004/108/EC. The following test methods have been applied in order to prove presumption of conformity with the essential requirements of the EMC Directive 2004/108/EC:

This equipment meets the following conformance standards:

**EN:** 55022:2006+A1:2007: Class A

61000-3-2:2005+A1:2008+A2:2009

61000-3-3:2008

**EN:** 55024:1998 + A1:2001 + A2:2003

61000-4-2:2008

61000-4-3:2006+A1:2007

61000-4-4:2004

61000-4-5:2005

61000-4-6:2008

61000-4-8:1993+A1:2000

61000-4-11:2004

This equipment is intended to be operated in all countries.

This declaration is made by

ALLNET Computersysteme GmbH

Maistraße 2

D-82110 Germering

and can be downloaded from <http://www.allnet.de/ce-certificates/>

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