

Managed PoE Switch Web Management User Manual

Version: V1.0

Date: May 25,2018

The network management manual applies to the following series of products.			Remarks
Commercial PoE Switch	4+2 Series	ONV-POE31064PFM ; ONV31064FM ;	
	8+2 Series	ONV-POE31108PFM ; ONV31108FM ;	
	16+2 Series	ONV-POE31016PFM ; ONV31016FM ;	
	24+2 Series	ONV-POE31024PFM ; ONV31024FM ;	
Industrial PoE Switch	4+2 Series	ONV-IPS31064PFM ; ONV-IPS31064FM ;	
	8+2 Series	ONV-IPS31108PFM ; ONV-IPS31108FM ;	
	16+2 Series	ONV-IPS31016PFM ; ONV-IPS31016FM ;	
	24+2 Series	ONV-IPS31024PFM ; ONV-IPS31024FM ;	

CONTENTS

Revised record.....	4
1. Foreword.....	4
1.1 Target audience.....	4
1.2 Book convention.....	4
2. Log in to the Web page.....	5
2.1 Log in to the Web network management client.....	5
📄 Instruction:	5
3 Administrator.....	5
3.1 System Information.....	6
3.2 Account/Password.....	6
3.3 IP Configuration.....	6
3.4 SNMP Settings.....	7
3.5 NTP Settings.....	7
3.6 Syslog Settings.....	7
3.7 Configuration.....	8
3.8 Load Factory Default.....	8
3.9 Firmware Update.....	8
3.10 Reboot Device.....	9
4 POE Configuration.....	9
4.1 PoE Settings.....	9
4.2 PoE AutoCheck.....	9
4.3 PoE Power Delay.....	10
4.4PoE Schedule.....	10
4.5 PoE Event.....	11
5 Basic Configuration.....	12
5.1 Port Link State.....	12
5.2 Port Mirror Function.....	12
5.3 Broadcast Storm Protection.....	13
5.4 Bandwidth Control.....	13
6 VLAN Configuration.....	14
6.1VLAN Mode.....	14
6.2 VLAN Group-based Entry config.....	14
6.3 VLAN Tag-based Entry config.....	15
6.4 VLAN port config.....	15
6.5Protocol VLAN config.....	15
6.6QinQ Port Config.....	16
6.7QinQ Index Config.....	16
7 QoS Configuration.....	16
7.1QoS Group Member.....	16
7.2 QoS Mode Set.....	17
7.3 QoS Out Queue Aging.....	17
7.4 QoS Remap.....	18
7.5 Class of Service.....	18
7.6 802.1p Base.....	19
7.7DSCP Base.....	19
7.8TCP/UDP Port Base.....	20
8 ACL Configuration.....	20
8.1ACL Profile List.....	21
8.2 ACL Ctag Settings.....	21
8.3 ACL Stag Settings.....	21
8.4 ACL VLAN Settings.....	22
8.5 ACL Bandwidth Settings.....	22
8.6 ACL DSCP Settings.....	23
9 Security.....	23
9.1Port-MAC-IP Port Setting.....	23

9.2 Port-MAC-IP Table.....	24
9.3 DHCP Snooping Table.....	24
9.4 MAC Binding Table.....	24
10 Advanced Features.....	25
10.1 Spanning Tree Protocol.....	26
10.2 Trunk & Link Aggregation.....	28
10.3 IGMP Snooping.....	28
10.4 MLD Snooping.....	30
10.4 DHCP RelayAgent.....	31
10.5 Loop Detect.....	32
10.6 GVRP.....	33
10.7 Neighbor MACID Settings.....	33
10.8 Neighbor MACID Settings.....	33
10.9 Voice VLAN.....	34
10.9 LLDP.....	35
11 Monitoring.....	35
11.1 Mib Counter.....	35
11.2 Scan MACID Lookup Table.....	36
11.3 LLDP Remote MIB.....	36
11.4 Syslog.....	36
11.5 CPU Resource Utilization.....	37

Revised record

Date	Version	Description
May 25,2018	V1.0	First edition

1. Foreword



1.1 Target audience

This manual is applicable to installation personnel and system administrators who are responsible for installing, configuring or maintaining the network. This manual assumes that you understand all the transmission and management protocols used by the network.

This manual also assumes that you are familiar with the professional terminology, theoretical principles, practical skills and specific professional knowledge of network devices, protocols and interfaces related to networking. At the same time, you must have working experience of graphical user interface, command line interface, simple network management protocol and Web browser.

1.2 Book convention

This manual uses the following conventions.

GUI convention	Description
 Instruction	The description of the operation content, necessary supplements and explanations.
 Note	Remind cautions during operation. Improper operation may result in data loss or equipment damage.

2. Log in to the Web page

2.1 Log in to the Web network management client

Users can open a web browser, enter the default address of the switch:

http://192.168.2.1, and press Enter.

Instruction:

When logging in to the switch, make sure that the PC's IP network segment is consistent with the switch network segment. When logging in for the first time, set the IP address of the PC to 192.168.2.x (x represents 1~254, except 1) and the subnet mask is set to 255.255.255.0. However, the PC IP cannot be the same as the switch, that is, it cannot be 192.168.2.1 .

The login window appears at this time, as shown in the following figure. Enter the default username: admin and password system. Click the < login > button to see the switch system information. As shown in the picture.



3 Administrator

3.1 System Information

Users can set the name, location and contact mode of the switch.

Operation steps

1. click the "Administrator>System Information" menu in the navigation bar to enter the "System Information" interface. As shown in the picture.



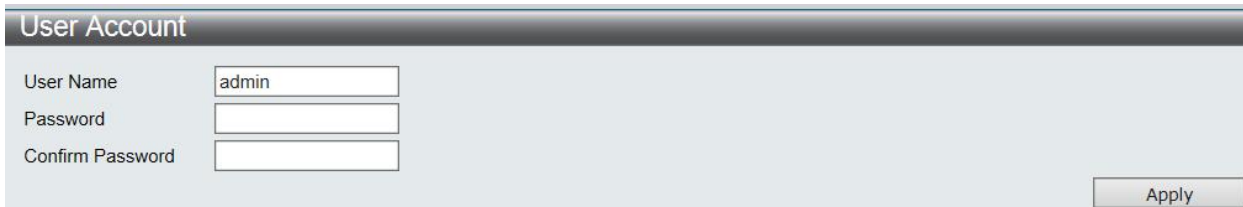
The screenshot shows the 'System Information' web interface. It features a header with the title 'System Information'. Below the header, there are several fields for system details: 'MAC Address' (00:11:22:33:44:1d), 'Firmware Version' (v2.8.1), 'Uptime' (00:09:16), 'Device Name' (Switch), 'Comment' (Switch), 'Location', and 'Contact'. Each field is represented by a text input box.

3.2 Account/Password

The user can set the user name and password.

Operation steps

1. click the administrator>Account/Password menu in the navigation bar to enter the Account/Password interface. As shown in the picture.



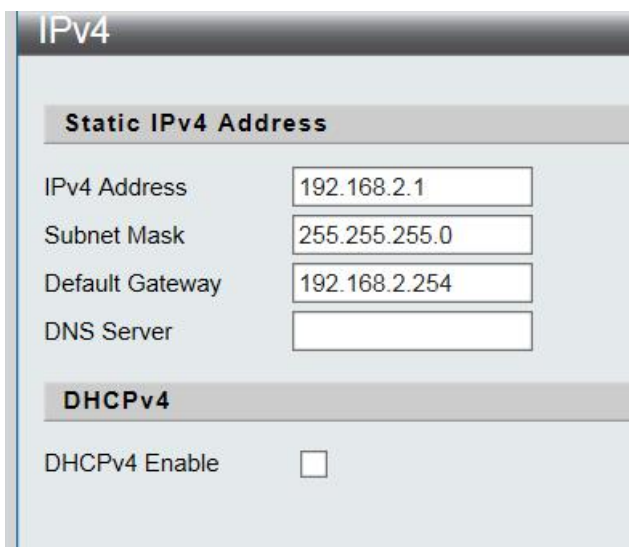
The screenshot shows the 'User Account' web interface. It has a header with the title 'User Account'. Below the header, there are three input fields: 'User Name' (admin), 'Password', and 'Confirm Password'. An 'Apply' button is located at the bottom right of the form.

3.3 IP Configuration

Users can modify the switch to manage IPV4 and IPV6 addresses.

Operation steps

1. click the administrator> IP Configuration menu in the navigation bar to enter the IP Configuration interface. As shown in the picture.



The screenshot shows the 'IPv4' configuration web interface. It has a header with the title 'IPv4'. Below the header, there is a section titled 'Static IPv4 Address' with four input fields: 'IPv4 Address' (192.168.2.1), 'Subnet Mask' (255.255.255.0), 'Default Gateway' (192.168.2.254), and 'DNS Server'. Below this section, there is another section titled 'DHCPv4' with a checkbox for 'DHCPv4 Enable' which is currently unchecked.

IPv6

Static IPv6 Address

IPv6 Address

Subnet Prefix Length

Default Gateway

DNS Server

DHCPv6

DHCPv6 Enable

3.4 SNMP Settings

The user can modify the switch SNMP.

- Switch
- Administrator
- System Information
- Account / Password
- IP Configuration
- SNMP Settings
 - SNMP View Table
 - SNMP Group Table
 - SNMP User Table
 - SNMP Community Table
 - SNMP Host Table
 - SNMP Configuration

SNMP View Settings

View Name

Subtree OID

View Type

View Name	Subtree	Type	Action
systemview	1.3.6.1.2.1.1	included	<input type="button" value="Delete"/>

3.5 NTP Settings

Users can set NTP time to calibrate the time of the switch.

NTP Settings

System Time 1970/01/01 Thursday, 11:29:44 UTC+0800

State

Time Zone UTC :

Primary Server IP

Secondary Server IP

3.6 Syslog Settings

Users can set up Syslog to understand the switch running diary.

Syslog Settings

Global Setting

Syslog state Apply

Facility Setting

Name	State	Facility
dhcpd	<input checked="" type="checkbox"/>	local1 ▼
gvrp	<input checked="" type="checkbox"/>	local2 ▼
stp_lacp_d	<input checked="" type="checkbox"/>	local3 ▼
multicast_table_d	<input checked="" type="checkbox"/>	local4 ▼
misc_app	<input checked="" type="checkbox"/>	local5 ▼

Apply

Remote Server Setting

Index	Server Info.		Priority							
	IP	port	Loacl0	Loacl1	Loacl2	Loacl3	Loacl4	Loacl5	Loacl6	Loacl7
1	192.168.2.99	514	7 ▼	7 ▼	7 ▼	7 ▼	7 ▼	7 ▼	7 ▼	7 ▼
2			--- ▼	--- ▼	--- ▼	--- ▼	--- ▼	--- ▼	--- ▼	--- ▼
3			--- ▼	--- ▼	--- ▼	--- ▼	--- ▼	--- ▼	--- ▼	--- ▼
4			--- ▼	--- ▼	--- ▼	--- ▼	--- ▼	--- ▼	--- ▼	--- ▼

Apply

3.7 Configuration

The user can backup and import switch configuration files.

Backup

Click "Apply" to download configuration file Apply

Recovery

Select File Choose File No file chosen Apply

(Note: IP setting is excluded)

3.8 Load Factory Default

The user can restore the factory setting.

Operation steps

1. click on the navigation bar "Administrator> Load Factory Default" menu, and enter "Load Factory Default" interface. As shown in the picture.

Load Default Setting

Click "Load Default" to recover switch default setting excluding the IP address, User name and Password.

Load Default

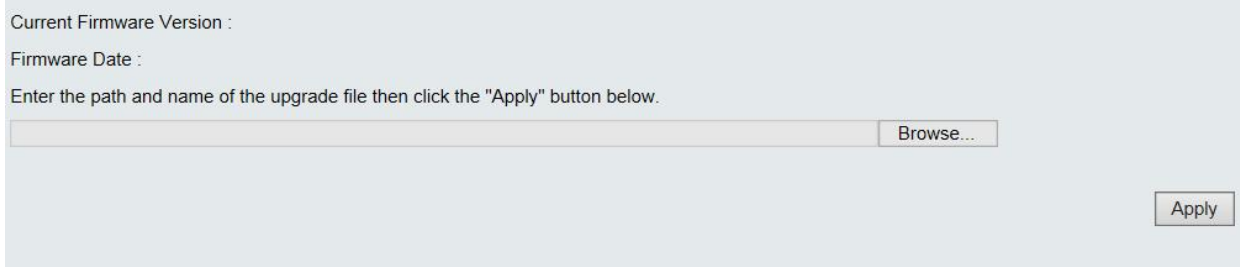
3.9 Firmware Update

The user can upgrade the firmware of the switch.

Operation steps

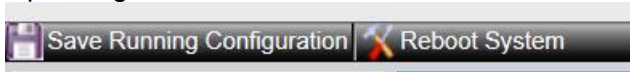
1. click the Administrator> Firmware Update menu in the navigation bar to enter the Firmware Update interface.

As shown in the picture.



3.10 Reboot Device

Users can restart the switch and save the switch configuration. Operating interface



4 POE Configuration

4.1 PoE Settings

The user can set the poe switch, AF/AT mode, set the maximum and minimum power supported by the port.

- Switch
- ▣ Administrator
- ▣ PoE Configuration
 - PoE Settings
 - PoE Auto Check
 - PoE Power Delay
 - PoE Schedule
 - PoE Event
- ▣ Basic Configuration
- ▣ VLAN configuration
- ▣ QoS Configuration
- ▣ ACL Configuration
- ▣ Security
- ▣ Advanced Features
- ▣ Monitoring

PoE Settings

Total available Power Watt (max 288) Total consumption 0.0 Watt

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

State Mode Budget Watt (max 36) Apply

Port	Settings			Status	
	State	Budget (Watt)	AT/AF	Class	Consumption (Watt)
01	Enabled	32	AT	-	-
02	Enabled	32	AT	-	-
03	Enabled	32	AT	-	-
04	Enabled	32	AT	-	-
05	Enabled	32	AT	-	-
06	Enabled	32	AT	-	-
07	Enabled	32	AT	-	-

Refresh

4.2 PoE AutoCheck

When the terminal is offline, it can detect the dropped terminal through POE detection.

- Switch
- ⊞ Administrator
- ⊞ PoE Configuration
 - PoE Settings
 - PoE Auto Check
 - PoE Power Delay
 - PoE Schedule
 - PoE Event
- ⊞ Basic Configuration
- ⊞ VLAN configuration
- ⊞ QoS Configuration
- ⊞ ACL Configuration
- ⊞ Security
- ⊞ Advanced Features
- ⊞ Monitoring

PoE AutoCheck

Global Settings

Check every Seconds (10-600) Wake up after Seconds (1-255)

Port Settings

Port State IP of device to check

Port	State	IP of device to check
01	Enabled	192.168.2.4
02	Disabled	-
03	Disabled	-
04	Disabled	-
05	Disabled	-
06	Disabled	-
07	Disabled	-
08	Disabled	-

4.3 PoE Power Delay

It can set POE delay

Save Running Configuration Reboot System

PoE Power Delay

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

State Delay Seconds (max 300)

Port	State	Delay Time (Seconds)
01	Disabled	0
02	Disabled	0
03	Disabled	0
04	Disabled	0
05	Disabled	0
06	Disabled	0
07	Disabled	0
08	Disabled	0

4.4 PoE Schedule

The user can set PoE scheduling, and periodically power on and off the terminal.

Save Running Configuration Reboot System

- Switch
 - Administrator
 - PoE Configuration
 - PoE Settings
 - PoE Auto Check
 - PoE Power Delay
 - PoE Schedule**
 - PoE Event
 - Basic Configuration
 - VLAN configuration
 - QoS Configuration
 - ACL Configuration
 - Security
 - Advanced Features
 - Monitoring

PoE Schedule

Port Selection																									
	1	2	3	4	5	6	7	8																	
	<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"/>																	
Port	1	State: Disabled change to: Enable																							
All	<input type="checkbox"/>	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Mon	<input 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"/>	<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"/>
Tue	<input 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"/>	<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"/>
Wed	<input 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"/>	<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"/>
Thu	<input 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"/>	<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"/>
Fri	<input 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"/>	<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"/>
Sat	<input 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"/>	<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"/>
Sun	<input 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"/>	<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"/>

Apply

4.5 PoE Event

The user can view the POE events found by the port

- Switch
 - Administrator
 - PoE Configuration
 - PoE Settings
 - PoE Auto Check
 - PoE Power Delay
 - PoE Schedule
 - PoE Event**
 - Basic Configuration
 - VLAN configuration
 - QoS Configuration
 - ACL Configuration
 - Security
 - Advanced Features
 - Monitoring

PoE Event

Port NO	E0	E1	E2	E3	E4	E5	E6	E7	E8
01	0	0	0	0	0	0	0	0	0
02	0	0	0	0	0	0	0	0	0
03	0	0	0	0	0	0	0	0	0
04	0	0	0	0	0	0	0	0	0
05	0	0	0	0	0	0	0	0	0
06	0	0	0	0	0	0	0	0	0
07	0	0	0	0	0	0	0	0	0
08	0	0	0	0	0	0	0	0	0

Refresh Clear

E0:Port Overload (ICUT) Event
 E1:Port Short Circuit Limit (ILIM) Event
 E2:Port MPS Error (DC Disconnect) Event
 E3:Port Thermal Shutdown Event
 E4:Main Power Overload Event
 E5:Port Voltage Limit Event
 E6:Port Temperature Limit Event
 E7:PoE Auto Check Timeout Event
 E8:PoE Schedule Event

5 Basic Configuration

5.1 Port Link State

The user can view and configure the state of the port

Port Link State

Port Selection												
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"/>

State: Speed/Duplex: Auto Negotiation: Flow Control: Address Learning: Name:

Port	Settings				Status			Name
	State	Speed/Duplex	Auto Nego.	Flow Control	Learning	Speed/Duplex	Flow Control	
01	Enabled	100M Full	Enabled	Enabled	Enabled	----	----	port1
02	Enabled	100M Full	Enabled	Enabled	Enabled	----	----	port2
03	Enabled	100M Full	Enabled	Enabled	Enabled	----	----	port3
04	Enabled	100M Full	Enabled	Enabled	Enabled	----	----	port4
05	Enabled	100M Full	Enabled	Enabled	Enabled	----	----	port5
06	Enabled	100M Full	Enabled	Enabled	Enabled	----	----	port6
07	Enabled	100M Full	Enabled	Enabled	Enabled	----	----	port7
08	Enabled	100M Full	Enabled	Enabled	Enabled	100M Full	Pause Frame	port8

5.2 Port Mirror Function

The user can view and configure the port image.

Port Mirror Function

Source Port Selection												
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"/>

Destination Port Selection												
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"/>

State: Disable ▾ Method: Both ▾ Apply

5.3 Broadcast Storm Protection

The user can set the storm to suppress the port.

Broadcast Storm Protection

Storm Control Settings

Type	Threshold (0-255)	Period for (Giga/100/10)
Broadcast / Multicast / DLF	<input type="text" value="0"/>	200us / 2ms / 20ms ▾
ARP	<input type="text" value="0"/>	200us / 2ms / 20ms ▾
ICMP	<input type="text" value="0"/>	200us / 2ms / 20ms ▾

Apply

Storm Control State

Port Selection												
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"/>

Broadcast: ----- ▾ Multicast: ----- ▾ DLF: ----- ▾ ARP: ----- ▾ ICMP: ----- ▾ Apply

Port NO	Broadcast	Multicast	DLF	ARP	ICMP
1					
2					
3					
4					

5.4 Bandwidth Control

The user can set the speed limit of the port.

Bandwidth Control

Port Selection												
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"/>

Ingress Rate (kbps) (1~1000000) Egress Rate (kbps) (1~1000000)

Port	Ingress Rate (kbps)	Egress Rate (kbps)
01	unlimited	unlimited
02	unlimited	unlimited
03	unlimited	unlimited
04	unlimited	unlimited
05	unlimited	unlimited
06	unlimited	unlimited
07	unlimited	unlimited
08	unlimited	unlimited
09	unlimited	unlimited
10	unlimited	unlimited

6 VLAN Configuration

- [-] Basic Configuration
- [+] VLAN configuration
 - [+] VLAN Mode
 - [+] VLAN Group-based Entry config
 - [+] VLAN Tag-based Entry config
 - [+] VLAN port config
 - [+] Protocol VLAN config
 - [+] QinQ Port Config
 - [+] QinQ Index Config

6.1 VLAN Mode

6.2 VLAN Group-based Entry config

VLAN Group-based Entry config

Group Name:

GROUP Member 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"/>

Group Table

Group Name	Group Member	Action

6.3 VLAN Tag-based Entry config

VLAN Tag-based Entry config

Add

Name	State	VID	Don't care	Add Tag	Remove Tag	Forbidden	Priority	GVRP forward	Action	
default	static	1	1-26	0	0	0	0	Deny	Edit	Delete
protocol_vlan1	static	4081	1-26	0	0	0	0	Deny	Edit	Delete
protocol_vlan2	static	4082	1-26	0	0	0	0	Deny	Edit	Delete
protocol_vlan3	static	4083	1-26	0	0	0	0	Deny	Edit	Delete
protocol_vlan4	static	4084	1-26	0	0	0	0	Deny	Edit	Delete
voice-vlan	static	4080	0	0	0	0	0	Deny	Edit	Delete

6.4 VLAN port config

VLAN port config

Port Selection												
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"/>

PVID: Tag: Force: Uplink: Exclusive: Egress: Ingress-check: GVRP: Ingress-frame:

Apply

Port	PVID	Tagging	Force VLAN Group	Uplink	Exclusive	Egress	Ingress Check	GVRP	Ingress Frame
1	1	none					v		all
2	1	none					v		all
3	1	none					v		all
4	1	none					v		all
5	1	none					v		all
6	1	none					v		all
7	1	none					v		all
8	1	none					v		all

6.5 Protocol VLAN config

Protocol VLAN config

Protocol VLAN enable

Enable	No.	VID	Protocol type	Protocol Select
<input type="checkbox"/>	1	4081	0x0	Ether_type ▼
<input type="checkbox"/>	2	4082	0x0	Ether_type ▼
<input type="checkbox"/>	3	4083	0x0	Ether_type ▼
<input type="checkbox"/>	4	4084	0x0	Ether_type ▼

Apply

6.6 QinQ Port Config

QinQ Port Config

Port Selection												
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"/>

Index

Tagging

Rx detect

Keep PCP/DEI

Port	index	Tagging	Rx detect	Keep PCP/DEI
1	1	none		
2	1	none		
3	1	none		
4	1	none		
5	1	none		
6	1	none		
7	1	none		
8	1	none		

6.7 QinQ Index Config

QinQ Index Config

Type: 88A8

Index															
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32

7 QoS Configuration

- ☐ QoS Configuration
- ☑ QoS Group Member
- ☑ QoS Mode Set
- ☑ QoS Out Queue Aging
- ☑ QoS Remap
- ☑ Class of Service
- ☑ 802.1p Base
- ☑ DSCP Base
- ☑ TCP/UDP Port Base

7.1 QoS Group Member

QoS Group Member

Port	1	2	3	4	5	6	7	8	9	10	11	12	13
Group A	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>
Group B	<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"/>
Port	14	15	16	17	18	19	20	21	22	23	24	25	26
Group A	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>
Group B	<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	Member Port
A	1-26
B	0

7.2 QoS Mode Set

QoS Mode Set

Group	Queue Mode	Queue Method	Queue Ratio (0-255)	Queue Max Bandwidth (0-255)	Unit (BW throttle period / TWRR tickle unit)
A	First-In-First-Out	WRR	Q0:0 Q1:0 Q2:0 Q3:0 Q4:0 Q5:0 Q6:0 Q7:0	Q0:0 Q1:0 Q2:0 Q3:0 Q4:0 Q5:0 Q6:0 Q7:0	64Kbps / 51.2ms
B	First-In-First-Out	WRR	Q0:0 Q1:0 Q2:0 Q3:0 Q4:0 Q5:0 Q6:0 Q7:0	Q0:0 Q1:0 Q2:0 Q3:0 Q4:0 Q5:0 Q6:0 Q7:0	64Kbps / 51.2ms

7.3 QoS Out Queue Aging

QoS Out Queue Aging

Aging Time

Out Queue Aging Time : (1~2)*0 *100ms. (the value range is 0-255)

Fast Aging Time Enable (unit: 1.638ms) Apply

QoS Out Queue Aging

Port Selection

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"/>

Q0 Q1 Q2 Q3 Q4 Q5 Q6 Q7

----- ▾ ----- ▾ ----- ▾ ----- ▾ ----- ▾ ----- ▾ ----- ▾ ----- ▾ Apply

Port NO	Q0	Q1	Q2	Q3	Q4	Q5	Q6	Q7
01								
02								
03								
04								
05								
06								

7.4 QoS Remap

QoS Remap

Port Selection

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"/>

Mode Q0 Q1 Q2 Q3 Q4 Q5 Q6 Q7

Tx&Rx ▾ -- ▾ -- ▾ -- ▾ -- ▾ -- ▾ -- ▾ -- ▾ -- ▾ Apply

Port NO	Tx Remap							Rx Remap								
	Q0	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q0	Q1	Q2	Q3	Q4	Q5	Q6	Q7
01	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7
02	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7
03	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7
04	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7
05	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7
06	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7
07	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7
08	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7

7.5 Class of Service

Class of Service

Port Selection

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"/>

ACL IGMP IP Addr MAC Addr VID TCP/UDP port DSCP 802.1p Physical port

Port NO	ACL	IGMP	IP Addr	MAC Addr	VID	TCP/UDP port	DSCP	802.1p	Physical port
01									Queue0
02									Queue0
03									Queue0
04									Queue0
05									Queue0
06									Queue0
07									Queue0
08									Queue0

7.6 802.1p Base

802.1p Base

Earlier Edition
 2005 Edition Exchange the priority of 3'b000 and 3'b001 for 2005 Edition

Priority Field	Q0	Q1	Q2	Q3	Q4	Q5	Q6	Q7
Earlier Edition	2	0	1	3	4	5	6	7
2005 Edition	1	0	2	3	4	5	6	7

7.7DSCP Base

DSCP Base

Priority For DSCP Not Match

- Regard as low priority (priority 0)
- Ignore IP priority (priority will according to tag/port)

Apply

IP ToS/DSCP CoS Base Priority

DSCP List: Value(0-63): Priority:

Apply

List	Value	Priority
DSCP1	0	Queue7
DSCP2	0	Queue7
DSCP3	0	Queue7
DSCP4	0	Queue7
DSCP5	0	Queue7
DSCP6	0	Queue7
DSCP7	0	Queue7
DSCP8	0	Queue7

7.8 TCP/UDP Port Base

TCP/UDP Port Base

TCP/UDP Port Base Priority

NOTE:
 (1)Q0~Q7 options are effective for the selected physical port only.
 (2)"Drop" option is the global setting for all physical ports.
 (3)"BOOTP/DHCP" is not effective when DHCP relay agent enabled.

Protocol	Priority	Protocol	Priority	Protocol	Priority	Protocol	Priority
FTP	<input type="text" value="Q0"/>	SSH	<input type="text" value="Q0"/>	TELNET	<input type="text" value="Q0"/>	SMTP	<input type="text" value="Q0"/>
DNS	<input type="text" value="Q0"/>	BOOTP/DHCP	<input type="text" value="Q0"/>	TFTP	<input type="text" value="Q0"/>	HTTP_0,1	<input type="text" value="Q0"/>
POP3	<input type="text" value="Q0"/>	NEWS	<input type="text" value="Q0"/>	SNTP	<input type="text" value="Q0"/>	NETBIOS_0,1,2	<input type="text" value="Q0"/>
IMAP_0,1	<input type="text" value="Q0"/>	SNMP_0,1	<input type="text" value="Q0"/>	HTTPS	<input type="text" value="Q0"/>	User defined A	<input type="text" value="Q0"/>
User defined B	<input type="text" value="Q0"/>	User defined C	<input type="text" value="Q0"/>	User defined D	<input type="text" value="Q0"/>		

User Define TCP/UDP Port Number

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

User defined A	User defined B	User defined C	User defined D
Port: <input type="text" value="1"/>	Port: <input type="text" value="1"/>	From Port: <input type="text" value="1"/> To Port: <input type="text" value="1"/>	From Port: <input type="text" value="1"/> To Port: <input type="text" value="1"/>

Apply

8 ACL Configuration

- [-] ACL Configuration
 - ACL Profile List
 - ACL Ctag Settings
 - ACL Stag Settings
 - ACL VLAN Settings
 - ACL Bandwidth Settings
 - ACL DSCP Settings

8.1 ACL Profile List

ACL Profile List

Used Entries : 0 / 128

Profile Name

Type MAC ▼

Profile Name	Type	Action

8.2 ACL Ctag Settings

ACL Ctag Settings

Index (1 ~ 24)

Value 0x (0x0000~0x7FFF)

Index	Value	Index	Value
1	0x0000	13	0x0000
2	0x0000	14	0x0000
3	0x0000	15	0x0000
4	0x0000	16	0x0000
5	0x0000	17	0x0000
6	0x0000	18	0x0000
7	0x0000	19	0x0000
8	0x0000	20	0x0000
9	0x0000	21	0x0000
10	0x0000	22	0x0000
11	0x0000	23	0x0000
12	0x0000	24	0x0000

8.3 ACL Stag Settings

ACL Stag Settings

Index (1 ~ 24)
 Value 0x (0x0000~0xFFFF)

Index	Value	Index	Value
1	0x0000	13	0x0000
2	0x0000	14	0x0000
3	0x0000	15	0x0000
4	0x0000	16	0x0000
5	0x0000	17	0x0000
6	0x0000	18	0x0000
7	0x0000	19	0x0000
8	0x0000	20	0x0000
9	0x0000	21	0x0000
10	0x0000	22	0x0000
11	0x0000	23	0x0000
12	0x0000	24	0x0000

8.4 ACL VLAN Settings

ACL VLAN Settings

Index 1 ▾

Member 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"/>

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

8.5 ACL Bandwidth Settings

ACL Bandwidth Settings

Index (1 ~ 15)
 Value (0~2540)(0.1Mbps)

Index	Value
1	0
2	0
3	0
4	0
5	0
6	0
7	0
8	0
9	0
10	0
11	0
12	0
13	0
14	0
15	0

8.6 ACL DSCP Settings

ACL DSCP Settings

Index (1 ~ 8)
 Value 0x (0x0~0x3F)

Index	Value
1	0x00
2	0x00
3	0x00
4	0x00
5	0x00
6	0x00
7	0x00
8	0x00

9 Security

- [-] Security
 - [-] Port-MAC-IP Binding
 - Port-MAC-IP Port Setting
 - Port-MAC-IP Entry Setting
 - DHCP Snooping Entry Setting
 - MAC Address Binding

9.1 Port-MAC-IP Port Setting

Port-MAC-IP Port Setting

IMP Ports Configure

Port Selection												
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"/>

Status: All clear

Max learning entry: Apply

Recovery learning entry: Apply

Port Status

Port	State	Max learning entry	Recovery learning entry
01	Disabled	3	Disabled
02	Disabled	3	Disabled
03	Disabled	3	Disabled
04	Disabled	3	Disabled
05	Disabled	3	Disabled
06	Disabled	3	Disabled
07	Disabled	3	Disabled
08	Disabled	3	Disabled

9.2 Port-MAC-IP Table

9.3 DHCP Snooping Table

DHCP Snooping Table

DHCP Snooping Configure

DHCP Snooping: Apply

ARP Inspection: Apply

MAC Verification: Apply

Snooping Table

Port	IP	MAC	Leavetime	Action
------	----	-----	-----------	--------

9.4 MAC Binding Table

MAC Binding Table

MAC Table Binding

Port Selection

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"/>

Binding Enable

Aging Time Range: 1~1,800,000. (Unit: second)

Create MAC Entry

MAC Address

Port

MAC Entry Management

MAC

port

Drop

Sniffer

Sflow

Priority

MAC Table Monitor

MAC	port	Drop	Sniffer	Sflow	Priority	Action
-----	------	------	---------	-------	----------	--------

10 Advanced Features

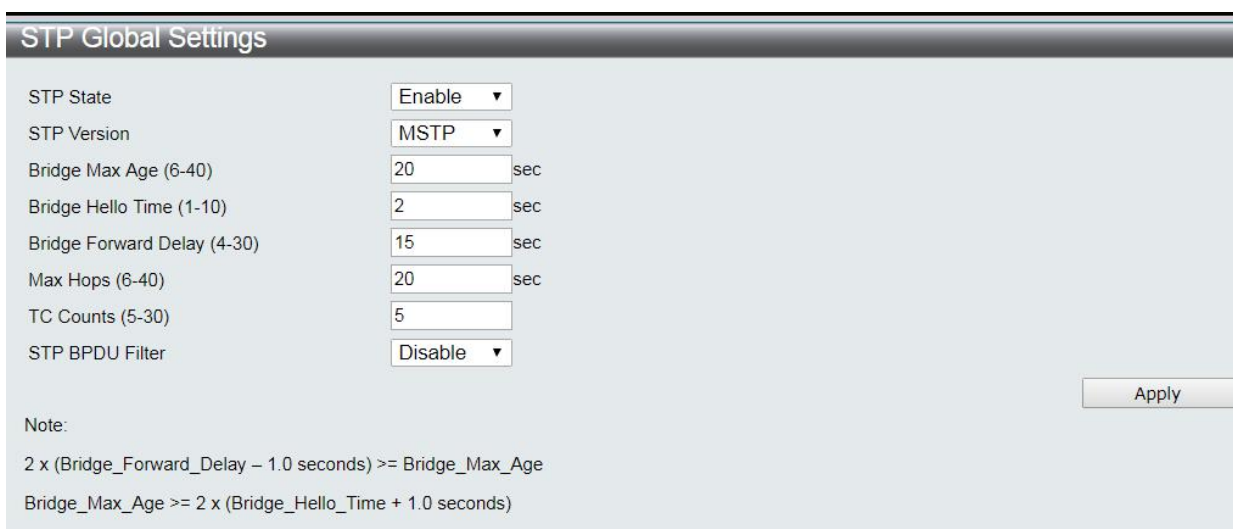
- ☐ Advanced Features
 - ☐ Spanning Tree Protocol
 - STP Global Settings
 - STP Port Settings
 - MST Configuration Ident
 - STP Instance Settings
 - MSTP Port Information
 - Trunk & Link Aggregation
 - ☐ IGMP Snooping
 - IGMP Snooping Settings
 - IGMP Snooping Router I
 - IGMP Snooping Groups
 - IGMP Snooping Ports
 - ☐ MLD Snooping
 - MLD Snooping Settings
 - MLD Snooping Router P
 - MLD Snooping Groups
 - MLD Snooping Ports
 - DHCP RelayAgent
 - Loop Detect
 - GVRP
 - Neighbor MACID Settings
 - ☐ Voice VLAN Setting
 - Voice VLAN State
 - Voice VALN Port setting
 - OUI List
 - ☐ LLDP
 - LLDP Global Setting
 - LLDP Port Setting

10.1 Spanning Tree Protocol



The screenshot shows the 'ACL Profile List' configuration page. At the top, it displays 'Used Entries : 0 / 128'. Below this, there are two input fields: 'Profile Name' (an empty text box) and 'Type' (a dropdown menu currently set to 'MAC'). An 'Add' button is located to the right of the 'Type' dropdown. At the bottom, there is a table with three columns: 'Profile Name', 'Type', and 'Action'. The table is currently empty.

10.1.1 STP Global Settings



The screenshot shows the 'STP Global Settings' configuration page. It contains several settings, each with a dropdown menu or a text input field followed by a unit:

- STP State: Enable
- STP Version: MSTP
- Bridge Max Age (6-40): 20 sec
- Bridge Hello Time (1-10): 2 sec
- Bridge Forward Delay (4-30): 15 sec
- Max Hops (6-40): 20 sec
- TC Counts (5-30): 5
- STP BPDU Filter: Disable

An 'Apply' button is located at the bottom right. Below the settings, there is a 'Note:' section with two mathematical constraints:

$2 \times (\text{Bridge_Forward_Delay} - 1.0 \text{ seconds}) \geq \text{Bridge_Max_Age}$
 $\text{Bridge_Max_Age} \geq 2 \times (\text{Bridge_Hello_Time} + 1.0 \text{ seconds})$

10.1.2 STP Port Settings

stp_port_settings.htm

Port Selection												
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"/>

State:
 Edge Port:
 BPDU Protect:
 Root Protect:
 Loop Protect:

Port	State	Edge Port	BPDU Protect	Root Protect	Loop Protect
01	Enabled	Disabled	Disabled	Disabled	Disabled
02	Enabled	Disabled	Disabled	Disabled	Disabled
03	Enabled	Disabled	Disabled	Disabled	Disabled
04	Enabled	Disabled	Disabled	Disabled	Disabled
05	Enabled	Disabled	Disabled	Disabled	Disabled
06	Enabled	Disabled	Disabled	Disabled	Disabled
07	Enabled	Disabled	Disabled	Disabled	Disabled
08	Enabled	Disabled	Disabled	Disabled	Disabled
09	Enabled	Disabled	Disabled	Disabled	Disabled
10	Enabled	Disabled	Disabled	Disabled	Disabled

10.1.3 MST Configuration Identification

MST Configuration Identification

MST Configuration Identification Settings

Configuration Name:
 Revision Level(0-65535):

Instance ID Settings

MSTI ID (1-4094):
 Action:
 VID List (1-4094):

MSTI ID	VID List	Action	
CIST	1-4094	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>

10.1.4 STP Instance Settings

STP Instance Settings

MSTI ID Priority (0-61440) Apply

Instance Type	Instance Priority	Action	
CIST	32768	<input type="button" value="Edit"/>	<input type="button" value="View"/>

STP Instance Operational Status

MSTP ID	--	Designated Root Bridge	--
External Root Cost	--	Regional Root Bridge	--
Internal Root Cost	--	Designated Bridge	--
Root Port	--	Max Age	--
Forward Delay	--	Max Hops	--

10.1.5 MSTP Port Information

MSTP Port Information

Port Find

MSTP Port Settings

Instance ID Internal Path Cost (0-200000000,0=Auto) Priority (0-240) Apply

Port 1 Settings

MSTI	Designated Bridge	Internal Path Cost	Priority	Status	Role	Action
0	32768/00-11-22-33-44-00	200000(Auto)	128	Disabled	Disabled Port	<input type="button" value="Edit"/>

10.2 Trunk & Link Aggregation

Trunk & Link Aggregation

Link Aggregation Algorithm

Group	Group1				Group2				Group3				Group4				Group5	
Combine Group	<input type="checkbox"/>																	
Port 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"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Status																		
State	Disable ▾				Disable ▾				Disable ▾				Disable ▾				Disable ▾	
Trunk Type	LACP ▾				LACP ▾				LACP ▾				LACP ▾				LACP ▾	
Mode	Passive ▾				Passive ▾				Passive ▾				Passive ▾				Passive ▾	
Time Out	Short ▾				Short ▾				Short ▾				Short ▾				Short ▾	

10.3 IGMP Snooping

10.3.1 IGMP Snooping Settings

IGMP Snooping Settings

IGMP Snooping State: ▾

Version: ▾

IGMP Group Aged Out: ▾

GMI (10-65535): sec

Router Aging Time (10-65535): sec

IGMP Ignore Leave: ▾

10.3.2 IGMP Snooping Router Ports Settings

IGMP Snooping Router Ports Settings

IGMP Snooping Static Router Ports

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"/>

IGMP Snooping Dynamic Router Ports

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"/>

10.3.3 IGMP Snooping Groups

IGMP Snooping Groups

IGMP Snooping Static Group Configuration

Group Address:

Member 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"/>

IGMP Snooping Group Information

Group	State	Member Port	Action

10.3.4 IGMP Snooping Ports

IGMP Snooping Ports

IGMP Snooping Port Information

Port:

Group	State	Mode	Uptime	Expires	Source List
-------	-------	------	--------	---------	-------------

10.4 MLD Snooping

10.4.1 MLD Snooping Settings

MLD Snooping Settings

MLD Snooping State:

Version:

MLD Group Aged Out:

GMI (10-65535): sec

Router Aging Time (10-65535): sec

MLD Ignore Done:

10.4.2 MLD Snooping Router Ports Settings

MLD Snooping Router Ports Settings

MLD Snooping Static Router Ports

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"/>

MLD Snooping Dynamic Router Ports

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"/>

10.4.3 MLD Snooping Groups

MLD Snooping Groups

MLD Snooping Static Group Configuration

Group Address <input type="text"/>												
Member 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"/>

MLD Snooping Group Information

Group	State	Member Port	Action
-------	-------	-------------	--------

10.4.4 MLD Snooping Ports

MLD Snooping Groups

MLD Snooping Static Group Configuration

Group Address <input type="text"/>												
Member 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"/>

MLD Snooping Group Information

Group	State	Member Port	Action
-------	-------	-------------	--------

10.4 DHCP RelayAgent

DHCP RelayAgent

Global Setting

DHCP relay-agent state Apply

DHCPv4 Setting

Hops Limit

DHCPv4 Server Setting		
Index	State	Address
1	<input checked="" type="checkbox"/>	<input style="width: 90%;" type="text" value="192.168.2.111"/>
2	<input type="checkbox"/>	<input style="width: 90%;" type="text"/>
3	<input type="checkbox"/>	<input style="width: 90%;" type="text"/>
4	<input type="checkbox"/>	<input style="width: 90%;" type="text"/>
5	<input type="checkbox"/>	<input style="width: 90%;" type="text"/>

Apply

DHCPv6 Setting

DHCPv6 Server Setting		
Index	State	Address
1	<input checked="" type="checkbox"/>	<input style="width: 90%;" type="text" value="2001:1000::1"/>
2	<input type="checkbox"/>	<input style="width: 90%;" type="text"/>
3	<input type="checkbox"/>	<input style="width: 90%;" type="text"/>
4	<input type="checkbox"/>	<input style="width: 90%;" type="text"/>
5	<input type="checkbox"/>	<input style="width: 90%;" type="text"/>

Apply

10.5 Loop Detect

Loop Detect Information

Loop Detect Setting

Loop Detection State: Disable ▾

LDP Interval Time: 3 , unit:500ms

Block Release Time: 9 , unit:500ms

LDP MAC Destination Address: 01:90:C3:00:00:00

Apply

Loop Detect Port Setting

Loop Detect Port Enabled												
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"/>

Apply

Loop Detect Port State

Port	State
1	---
2	---
3	---
4	---
5	---

10.6 GVRP

GVRP Settings

GVRP Settings

GVRP Settings: Disable ▾

Join Time: 2 (second, >=2sec)

Leave Time: 6 (second, >=2*Join Time)

Leaveall Time: 20 (second, >=Leave Time)

Apply

10.7 Neighbor MACID Settings

Neighbor MACID Settings

Status: Disable ▾

Send Period: 3

Aging Time: 6

10.8 Neighbor MACID Settings

Neighbor MACID Settings

Status:

Send Period:

Aging Time:

10.9 Voice VLAN

10.9.1 Voice VLAN State

Voice VLAN State

State:

Voice VLAN ID:

Aging Time: (5 ~ 43200minute.)

VLAN Priority:

10.9.2 Voice VLAN Port Setting

Voice VLAN Port Setting

Port Selection												
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"/>

Mode:

Port	Mode
1	Manual
2	Manual

10.9.3 OUI List

OUI List

OUI MAC:

OUI Mask:

Description:

OUI MAC	OUI mask	Description	Action
---------	----------	-------------	--------

10.9 LLDP

10.9.1 LLDP Global Setting

LLDP Global Setting

Global Setting

LLDP state: Enable ▾

Tx Interval (5~32768): 30 sec

Tx Hold Multiplier (2~10): 4

Re-Init Delay (1~10): 2 sec

Tx Delay (1~8192): 2 sec

Apply

Note: Tx Interval must bigger than (4 * Tx Delay)

10.9.2 LLDP Port Setting

LLDP Port Setting

Port Selection

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"/>

Admin Status: ----- ▾
 Port Description: ----- ▾
 System Name: ----- ▾
 System Description: ----- ▾
 Capability: ----- ▾
 Management Address: ----- ▾
Apply

Port	Admin Status	Port Description	System Name	System Description	Capability	Management Address
01	Tx & Rx	Disable	Disable	Disable	Disable	Disable
02	Tx & Rx	Disable	Disable	Disable	Disable	Disable
03	Tx & Rx	Disable	Disable	Disable	Disable	Disable

11 Monitoring

- ▣ Advanced Features
- ▣ Monitoring
 - ▣ Mib Counter
 - ▣ Scan MACID Lookup Table
 - ▣ LLDP Remote MIB
 - ▣ Syslog
 - ▣ CPU Resource Utilization

11.1 Mib Counter

Port NO	Receive		Transmit		Action	<input type="checkbox"/>
	Packets	Bytes	Packets	Bytes		
01	33903	3268931	5847	619637	Detail	<input type="checkbox"/>
02	8571	806964	1355	130598	Detail	<input type="checkbox"/>
03	0	0	0	0	Detail	<input type="checkbox"/>
04	31	2464	1	123	Detail	<input type="checkbox"/>
05	0	0	0	0	Detail	<input type="checkbox"/>
06	0	0	0	0	Detail	<input type="checkbox"/>
07	0	0	0	0	Detail	<input type="checkbox"/>
08	317042	33108976	71434	7257398	Detail	<input type="checkbox"/>

11.2 Scan MACID Lookup Table

Scan MACID Lookup Table

MAC Table Clear

Port Selection												
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"/>

MAC Table Monitor

Entry number: 65

Index	MAC Address	Port	Priority
1	24:df:6a:67:2d:b4	8	disable

11.3 LLDP Remote MIB

LLDP Remote MIB

Port:

LLDP Remote system MIB information

Entry	Chassis ID	Port ID	Rx TTL	Action
-------	------------	---------	--------	--------

11.4 Syslog

Reboot System

Syslog Messages

Refresh

Index	Log Message
1	Jan 1 08:12:04 <LLDP>[2398]: <lldpd.c:1467>main() txPort_init failed!
2	Jan 1 08:12:07 <LLDP>[2407]: <lldpd.c:1298>txPort_init() cfgFindSubData:port_27:adminStatus failed
3	Jan 1 08:12:07 <LLDP>[2407]: <lldpd.c:1467>main() txPort_init failed!
4	Jan 1 08:12:10 <LLDP>[2429]: <lldpd.c:1298>txPort_init() cfgFindSubData:port_27:adminStatus failed
5	Jan 1 08:12:10 <LLDP>[2429]: <lldpd.c:1467>main() txPort_init failed!
6	Jan 1 08:12:10 ntp.cgi[2430]: ntp.cgi start
7	Jan 1 08:12:10 ntp.cgi[2430]: HTTP_AUTHORIZATION=Basic YWRtaW46c3lzdGVt

11.5 CPU Resource Utilization

Reboot System

CPU Resource Utilization

Free Memory :	3856K
CPU Usage :	18%