

Quant

ELEVATING TECHNOLOGY

POE Web Management Manual



Series Switch Web Management Manual-linux

Q-M-4800-24P-L3-4S-V	Q-M-4800-48P-L3-4S-V	Q-IE-6600-28P-L3-4G-E	Q-IE-6600-48P-L3-4G-E
Q-EP-9300-24P-L3-4G	Q-EP-9300-48P-L3-4G	Q-IE-9600-24P-L3-4G-E	Q-IE-9600-48P-L3-4G-E

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Chapter 1. Product Overview

1.1. Product introduction

The POE38 series product is a high-performance, high-efficiency high-end intelligent rack industrial core three-layer switch. The range includes 4800-24P-L3, 4800-48P-L3 (10/100/1000/100010/100010/1000 supported) and 4-lane 1000 SFP/1010 SFP+ optical ports, 10/100/100/100/1000 SFP(X) Ethernet Standard power interface, four 1000 SFP-SFP/10GbE SFP + optical ports, increased bandwidth improves the communication function of network data, very suitable for large-scale network applications.

This series of products supports IPv4/IPv6 dual-stack platform and supports multiple advanced management functions, such as: POE management, MAC table, VLAN, port isolation, loop protection, IGMP snooping, MLD snooping, ERPS, DHCP client, DHCP snooping, STP/RSTP/MSTP, 802.1x, QoS, port mirroring, LLDP, static routing, NTP, etc., Su connection.

1.2. Product Features

4800-24P-L3 provides 24*10/100/1000Base-T(X) PoE ports, 4*1000Base-X SFP / 10GbE SFP + optical ports

4800-48P-L3 provides 48*10/100/1000Base-T(X) PoE ports, 4*1000Base-X SFP/10GbE SFP + optical port

- Support V-ring network redundancy patent technology, network fault self-repair time is less than 20 ms
- Support POE management, support POE load timing restart, timing switch
- Support IGMP snooping, static multicast filtering and MLD snooping filtering
- Support DHCP snooping, prevent ARP attack, illegal DHCP server access and other attacks
- Support NTP to facilitate real-time synchronization of network time
- Support SNMP v1/v2/v3, a simple network management protocol
- Support LLDP Link Layer Discovery Protocol
- Support ACL function, enhance the flexibility and security of network management
- Support IEEE802.1P QoS function, increase network stability
- Support port mirroring function, easy to debug online
- Support cable detection, easy to check the length of the network cable
- Support STP/RSTP/MSTP to improve network stability
- Support IEEE802.1Q VLAN, IEEE802.1ad QINQ to facilitate network planning
- Support 802.1x port authentication and Mac address authentication to enhance network security
- Layer 3 switching technology supports static routing
- Support working temperature range -10°C~50°C

- Support storage temperature range -40°C to 85°C
- Support silent fan, rack mount design

1.3. Login to the network, administrator

Enter the IP address of the device (the address installed on the computer) in the browser to manage the switch. The format of the URL in the address bar is: `http://xxx.xxx.xxx.xxx`, where xxx represents the IP address of the switch.



Note: The default factory IP address is 192.168.2.1.

The User Authentication window for the Management Module will pop up.

Sign in

http://192.168.1.118

Your connection to this site is not private

Username

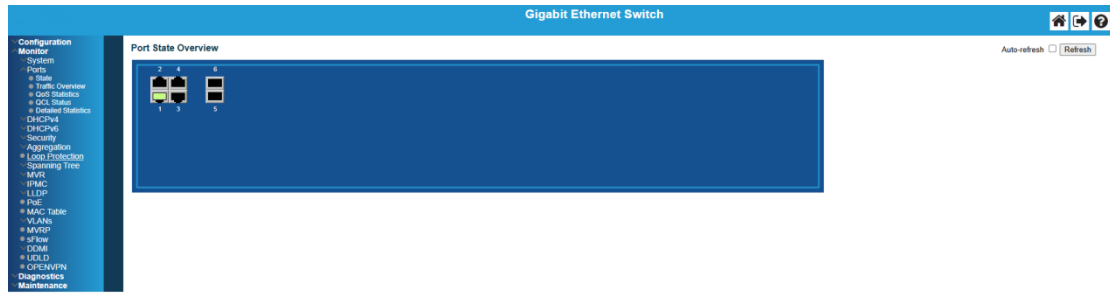
Password

The username is admin and the password is system. Click OK to open the web-based management user interface.

1.4. Web-based user interface

The user interface provides access to the different configuration and management windows of the switch, allowing users to view performance statistics and monitor system status graphically.

The user interface is divided into three distinct areas.



Area	Function
Area 1	Display manufacturer LOGO, port PoE and Link working status, Chinese and English switching and help.
Area 2	Select the displayed menu or window, and click the hyperlink menu button and subfolder to display the corresponding menu content.
Area 3	According to the user's selection (area 2), display the relevant information and con diagram data items of the switch, this area is the main page of the switch con diagram and status.

1.5. Web pages

When a user connects to the management mode of the switch through a web browser, a login window is displayed. Enter the username and password to access the management interface of the switch.

Below is a list and description of the main folders in the web interface:

information and status - users can view the information and working status of the switch under this menu.

Network Management - Users can configure the relevant network management features of the switch in this section.

Port Con Diagram - User can configure the port related features of the switch in this section.

PoE - Users can view the PoE-related configuration and status of the switch in this section.

Advanced Con Diagram - User can configure the advanced L2 related features of the switch in this section.

Security Con Diagram - User can configure the security related features of the switch in this section.

QoS Con Diagram - User can configure the QoS related features of the switch in this section.

system diagnostics - In this section the user can configure the diagnostics related

features of the switch.

System Maintenance-Users can view the system maintenance related features of the switch in this part.

Chapter 2. Configuration

2.1. System

2.1.1. Information

Click "Configuration > System > Information".

Parameters	Explain
Administrative Staff	Administrative Staff
System Name	Enter The Switch Name
System Location	System Location

2.1.2. IP



Note: The factory default IP address of the switch is 192.168.2.1, and the subnet mask is 255.255.255.0 (24) Click "Configuration>System>IP."

IP Configuration

Domain Name: No Domain Name
 Mode: Host
 DNS Server 0: No DNS server
 DNS Server 1: No DNS server
 DNS Server 2: No DNS server
 DNS Server 3: No DNS server
 DNS Proxy:

IP Interfaces

Delete	VLAN	Enable	DHCPv4				Hostname	Fallback	Current Lease	IPv4		DHCPv6			IPv6	
			Type	IfMac	Client ID ASCII	HEX				Address	Mask Length	Enable	Rapid Commit	Current Lease	Address	Mask Length
<input type="checkbox"/>	1	<input type="checkbox"/>	Auto	Port 1				0	192.168.2.1	24	<input type="checkbox"/>	<input type="checkbox"/>				

Add Interface

IP Routes

Delete | Network | Mask Length | Gateway | Distance(IPv4) / Next Hop VLAN(IPv6)

Add Route

Save | Reset

Parameters	Explain
Domain Name	The domain name of the con diagram switch
Mode	Optional Host and router
DNS Server	Optional No DNS server,Configured IPV4,From any DHCPv4 interfaces, From this DHCPv4 interfaces
DNS Proxy	DNS proxy
Interface Name	Displays the system interface name.
VLAN	Enter the VLAN used for access and management of the switch.
IPv4 DHCP	If it is enabled, it means that the VLAN interface opens the IPv4 DHCP client to dynamically obtain the IPv4 address of the switch, otherwise the static IPcon diagram of the switch is used Waiting time, which means the waiting time for the switch to try to obtain a dynamic IP address through DHCP (in seconds), 0 means never timeout. Current IP address, indicating the IP address obtained through DHCP.
IPv4	IP address, the static IPv4 address entered by the user. IP mask, the static IPv4 subnet mask entered by the user.
IPv6	IP address, the static IPv6 address entered by the user. IP mask, the static IPv6 subnet mask entered by the user.
IP Routes	Destination network segment, the user enters the IPv4 address of the destination network segment. IP mask, the user enters a static IPv4 subnet mask. Next hop address, the user enters the next IPv4 address

Click "Add" to create a new management VLAN and IP address. Click "Save" for the changes to take effect.



Note: The switch only creates VLAN1 by default. If the user needs to use the management switch of other VLAN, he must first add the VLAN in the VLAN module and add the relevant ports to the VLAN to realize Layer 3 communication between VLAN.

2.1.3. NTP

Simple Network Time Protocol (NTP), a protocol for synchronizing clocks over the Internet. Users can configure the time setting of the switch.

To view this window, click "con diagram >system >NTP".

NTP Configuration

Mode	Disabled <input type="button" value="v"/>
Server 1	<input type="text"/>
Server 2	<input type="text"/>
Server 3	<input type="text"/>
Server 4	<input type="text"/>
Server 5	<input type="text"/>

Parameters	Explanation
Mode	Use the drop-down menu to enable (Enabled) or disable (Disabled) NTP.
NTP Server	The IP address of the NTP server, from which NTP information will be obtained, and multiple NTP servers can be filled in.

Click the "Save" button to accept the changes.

2.1.4. Time zone setting

The time zone setting is to adjust to the time of the corresponding country by setting the time. Users can configure the time setting of the switch.

To view this window, click "con diagram >system >time".

Time Zone Configuration

Time Zone Configuration	
Time Zone	(UTC) Coordinated Universal Time ▼
Hours	0 ▼
Minutes	0 ▼
Acronym	<input type="text"/> (0 - 16 characters)

Daylight Saving Time Configuration

Daylight Saving Time Mode	
Daylight Saving Time	Disabled ▼
Start Time settings	
Month	Jan ▼
Date	1 ▼
Year	2014 ▼
Hours	0 ▼
Minutes	0 ▼
End Time settings	
Month	Jan ▼
Date	1 ▼
Year	2097 ▼
Hours	0 ▼
Minutes	0 ▼
Offset settings	
Offset	1 (1 - 1439) Minutes

Parameters	Explanation
Time Zone Setting	Enter the time that needs to be changed.

Click the "Save" button to accept the changes.

2.1.5. Log con diagram

Users can view the system log of the switch.

Click "con diagram >system >diary",

System Log Configuration	
Server Mode	Disabled ▼
Server Address	<input type="text"/>
Syslog Level	Informational ▼

Parameters	Explanation
Mode	Choose to enable or disable the system logging feature. If "Enabled" is selected, the switch will send system logs to the specified log server
Server IP Address	Specify the IP address of the log server
Log Level	Specify the level of the log, the optional level includes: Info: informations, warnings and errors. Warning: warnings and errors. Error: errors.

Click "Save" for the changes to take effect.

2.2. Port con diagram

This page is used to con diagram switch port related features.
Click "Con Diagram > Port".

Port Configuration																			
Port	Link	Current	Speed Configured	Adv Duplex		Adv speed					Flow Control			PFC		Maximum Frame Size	Excessive Collision Mode	Frame Length Check	
				Fdx	Hdx	10M	100M	1G	2.5G	5G	10G	Enable	Curr Rx	Curr Tx	Enable				Priority
*		<>	<>	<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 type="checkbox"/>	0-7	10240	<>	<input type="checkbox"/>
1	Down	Auto	Auto	<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 type="checkbox"/>	0-7	10240	Discard	<input type="checkbox"/>
2	Down	Auto	Auto	<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 type="checkbox"/>	0-7	10240	Discard	<input type="checkbox"/>
3	Down	Auto	Auto	<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 type="checkbox"/>	0-7	10240	Discard	<input type="checkbox"/>
4	Down	Auto	Auto	<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 type="checkbox"/>	0-7	10240	Discard	<input type="checkbox"/>
5	Down	Auto	Auto	<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 type="checkbox"/>	0-7	10240	Discard	<input type="checkbox"/>
6	Down	Auto	Auto	<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 type="checkbox"/>	0-7	10240	Discard	<input type="checkbox"/>
7	Down	Auto	Auto	<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 type="checkbox"/>	0-7	10240	Discard	<input type="checkbox"/>
8	1Gfdx	Auto	Auto	<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 type="checkbox"/>	0-7	10240	Discard	<input type="checkbox"/>
9	Down	Auto	Auto	<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 type="checkbox"/>	0-7	10240	Discard	<input type="checkbox"/>
10	Down	Auto	Auto	<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 type="checkbox"/>	0-7	10240	Discard	<input type="checkbox"/>
11	Down	Auto	Auto	<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 type="checkbox"/>	0-7	10240	Discard	<input type="checkbox"/>
12	Down	Auto	Auto	<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 type="checkbox"/>	0-7	10240	Discard	<input type="checkbox"/>
13	Down	10Gbps FDX	10Gbps FDX	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0-7	10240		<input type="checkbox"/>
14	Down	10Gbps FDX	10Gbps FDX	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0-7	10240		<input type="checkbox"/>
15	Down	10Gbps FDX	10Gbps FDX	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0-7	10240		<input type="checkbox"/>
16	Down	10Gbps FDX	10Gbps FDX	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0-7	10240		<input type="checkbox"/>

Save Reset

Parameters	Explanation
Link State	Red means Link Down, green means Link Up
Rate	Select the speed and full-duplex/half-duplex status of the port. Auto means automatically negotiate between 10, 100, 1000Mbps devices in full-duplex (FDX) or half-duplex mode (HDX) (1000mbps is always in full-duplex mode). The Auto setting allows the port to automatically determine the fastest settings for the device connected to the port and apply those settings. 1000X_AMS indicates that the port is photoelectric multiplexed, and the optical port is prioritized. Disabled indicates that the port is disabled. Other options are 10M HDX, 10M FDX, 100M HDX, 100M FDX, 1000M FDX, 1000X.

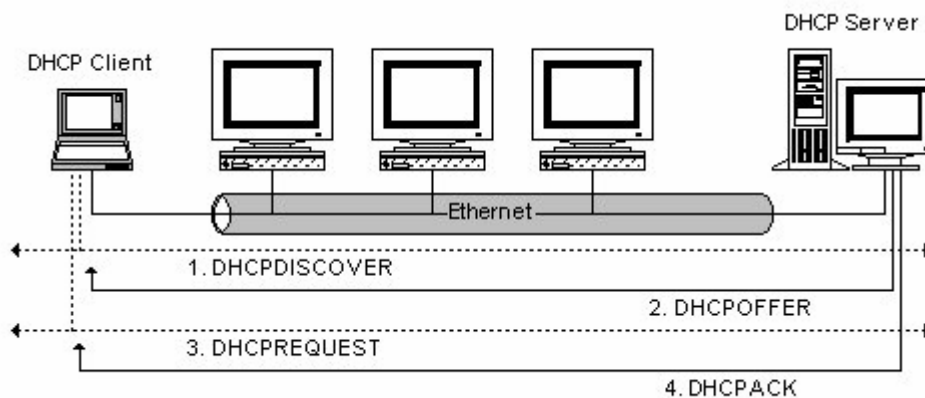
Flow Control	Shows flow control mechanisms used in various port con diagrams. Full-duplex ports use 802.3x flow control, half-duplex ports use back pressure flow control. Disabled by default. Checking User Settings means enabling flow control.
Max Frame Length	It is used to set the maximum frame length of Ethernet, the default setting is 9600, that is, it supports Jumbo frame.

Click "Save" for the changes to take effect.

2.3. DHCPv4

2.3.1. Understanding DHCP

The DHCP protocol is widely used to dynamically allocate reusable network resources, such as IP addresses. A typical process of DHCP obtaining IP.



The DHCP Client sends a DHCP DISCOVER broadcast message to the DHCP Server. If the Client does not receive a response from the server within a certain period of time, the DHCP DISCOVER message will be resent.

After receiving the DHCP DISCOVER message, the DHCP Server allocates resources (such as IP addresses) to the Client according to a certain strategy, and then sends a DHCP OFFER message.

After receiving the DHCP OFFER message, the DHCP Client sends out a DHCP REQUEST request to obtain the server lease, and notifies other servers that they have accepted the address assigned by the server.

After receiving the DHCP REQUEST message, the server verifies whether the resource can be allocated. If it can be allocated, it will send a DHCP ACK message; if it cannot be allocated, it will send a DHCP NAK message. After receiving the DHCP ACK message, the DHCP Client starts to use the resources allocated by the server. If a DHCP NAK is received, the DHCP DISCOVER message is resent.

2.3.2. DHCPV4 service

2.3.2.1. Mode

Click on "Con Diagram > DHCPV4 > Service > Mode".

DHCP Server Mode Configuration

Global Mode

Mode

VLAN Mode

VLAN

1

Parameters	Explanation
Global Mode	Disable and enable can be selected
Vlan Mode	Optional check and uncheck

Click "Save" for the changes to take effect.

2.3.2.2. Remove address con map

Click "Con Diagram >DHCPV4>Service>Exclude Address Con Diagram".

DHCP Server Excluded IP Configuration

Excluded IP Address

Parameters	Explanation
Add IP Range	Fill in the range of excluded IP addresses

Click "Save" for the changes to take effect.

2.3.2.3. Address pool

Click "con diagram >DHCPV4>service>address pool".

DHCP Server Pool Configuration

Pool Setting

Delete	Name	Type	IP	Subnet Mask	Lease Time
Delete		-	-	-	1 days 0 hours 0 minutes

Parameters	Explanation
Add New Pool	Fill in the address pool name

Click "Save" for the changes to take effect.

Click on the pool name to enter the con diagram

DHCP Pool Configuration

Pool

Name IP

Setting

Pool Name	<input type="text"/>
Type	None <input type="text"/>
IP	<input type="text"/>
Subnet Mask	<input type="text"/>
Lease Time	<input type="text" value="1"/> days (0-365) <input type="text" value="0"/> hours (0-23) <input type="text" value="0"/> minutes (0-59)
Domain Name	<input type="text"/>
Broadcast Address	<input type="text"/>
Default Router	<input type="text" value="0.0.0.0"/> <input type="text" value="0.0.0.0"/> <input type="text" value="0.0.0.0"/> <input type="text" value="0.0.0.0"/>
DNS Server	<input type="text" value="0.0.0.0"/> <input type="text" value="0.0.0.0"/> <input type="text" value="0.0.0.0"/>
NTP Server	<input type="text" value="0.0.0.0"/> <input type="text" value="0.0.0.0"/> <input type="text" value="0.0.0.0"/>
Tftp Server	<input type="text"/> <input type="text"/> <input type="text"/>
Bootfile Name	<input type="text"/> <input type="text"/> <input type="text"/>
NetBIOS Node Type	None <input type="text"/>
NetBIOS Scope	<input type="text"/>
NetBIOS Name Server	<input type="text" value="0.0.0.0"/> <input type="text" value="0.0.0.0"/> <input type="text" value="0.0.0.0"/> <input type="text" value="0.0.0.0"/>
NIS Domain Name	<input type="text"/>
NIS Server	<input type="text" value="0.0.0.0"/> <input type="text" value="0.0.0.0"/> <input type="text" value="0.0.0.0"/> <input type="text" value="0.0.0.0"/>
Client Identifier	None <input type="text"/>
Hardware Address	<input type="text"/>
Client Name	<input type="text"/>
Vendor 1 Class Identifier	<input type="text"/>
Vendor 1 Specific Information	<input type="text"/>
Vendor 2 Class Identifier	<input type="text"/>
Vendor 2 Specific Information	<input type="text"/>
Vendor 3 Class Identifier	<input type="text"/>
Vendor 3 Specific Information	<input type="text"/>
Vendor 4 Class Identifier	<input type="text"/>
Vendor 4 Specific Information	<input type="text"/>

Parameters	Explanation
Type	Divided into two modes: Host and Network

IP	Enter IP address
Subnet Mask	Enter subnet mask
Lease Term	Set the lease period of the address
Domain Name	Set domain name
Broadcast Address	Set broadcast address
Default Router	Set gateway
DNS Server	Set DNS service
NTP Server	Set NTP service
NetBIOS Node Type	Set NetBIOS type

Click "Save" for the changes to take effect.

2.3.3. Understanding DHCP Snooping

DHCP snooping, by snooping on the DHCP interaction messages between the client and the server, realize the monitoring of users, and at the same time, DHCP Snooping functions as a DHCP message filtering function, and realizes filtering of illegal servers through a reasonable con diagram. The following explains some terms and functions used in DHCP Snooping:

- **DHCP Snooping TRUST port:** Since DHCP obtains IP interactive messages in the form of broadcast, there are illegal servers that affect users' normal IP acquisition, and what's more, illegal servers are used to cheat and steal user information. In order to prevent illegal The server problem, DHCP Snooping divides the port into two types, TRUST port and UNTRUST port, the device only forwards the DHCP Reply message received by the TRUST port, and discards all DHCP Reply messages from the UNTRUST port, so that we send legal DHCP The port connected to the server is set as TURST port, and the other ports are set as UNTRUST port, so that the illegal DHCP Server can be shielded.
- **DHCP Snooping binding database:** In the network of DHCP environment, the problem of users setting IP addresses without authorization often occurs. The private setting of IP addresses by users not only makes the network difficult to maintain, but also causes some legitimate users who use DHCP to obtain IPs to fail due to conflicts. If the network cannot be used normally, DHCP Snooping snoops the messages exchanged between Client and Server, and forms a user record entry with IP information obtained by the user, user MAC, VID, PORT, lease time and other information, thus forming a DHCP Snooping The user database, with the use of ARP detection function or ARP CHECK function, so as to achieve the purpose of controlling users to access the Internet.

DHCP Snooping checks the validity of the DHCP messages passing through the device, discards illegal DHCP messages, records user information and generates a DHCP Snooping binding database for other functions to query. The following types of packets are considered illegal DHCP packets:

- The DHCP reply message received by the UNTRUST port, including DHCPACK, DHCPNACK, DHCPOFFER, etc.
- The DHCP request message with the network management information [giaddr] received by the UNTRUST port.
- When mac verification is enabled, the source MAC and the DHCP Client field value carried in the DHCP message are different messages.
- A DHCPRELEASE message in which the user's information exists in the DHCP Snooping binding database, but the port information is inconsistent with the port information stored in the information of the device in the DHCP binding database.

2.3.4. DHCPV4 monitoring

Click "con diagram >DHCPV4>DHCPV4 Snooping" to view the DHCP Snooping con diagram of the switch.

DHCP Snooping Configuration

Snooping Mode Disabled ▾

Port Mode Configuration

Port	Mode
*	<> ▾
1	Trusted ▾
2	Trusted ▾
3	Trusted ▾
4	Trusted ▾
5	Trusted ▾
6	Trusted ▾
7	Trusted ▾
8	Trusted ▾
9	Trusted ▾
10	Trusted ▾
11	Trusted ▾
12	Trusted ▾
13	Trusted ▾
14	Trusted ▾
15	Trusted ▾
16	Trusted ▾

Save
Reset

Parameters	Explanation
DHCP Snooping Mode	- Enable or disable DHCP Snooping.
Port Mode	-Indicates the DHCP snooping port mode. Possible port modes are: -Trusted: Cons the port as trusted source of the DHCP messages. -Untrusted: Cons the port as untrusted source of the DHCP messages.

Click "Save" for the changes to take effect.

2.3.5. DHCPV4 Relay

Click on "Con Graph >DHCPV4>DHCPV4 Relay.

DHCP Relay Configuration

Relay Mode	Disabled ▼
Relay Server	0.0.0.0
Relay Information Mode	Disabled ▼
Relay Information Policy	Keep ▼

Parameters	Explanation
Repeater Mode	Enable or disable DHCP relay.
Relay Server	Fill in the relay server
Relay Information Mode	Enable or disable relay information mode
Relay Information Strategy	Select relay information strategy (keep and dorp)

Click "Save" for the changes to take effect.

2.4. DHCPv6 snooping

2.4.1. DHCPV6 monitoring

Click "con diagram >DHCPV6>DHCPV6 Snooping" to view the DHCPV6 Snooping con diagram of the switch.

DHCPv6 Snooping Configuration

Switch Configuration

Snooping Mode	Disabled ▾
Unknown IPv6 Next-Headers	Drop ▾

Port Configuration

Port	Trust Mode
*	<> ▾
Gi 1/1	Untrusted ▾
Gi 1/2	Untrusted ▾
Gi 1/3	Untrusted ▾
Gi 1/4	Untrusted ▾
Gi 1/5	Untrusted ▾
Gi 1/6	Untrusted ▾
Gi 1/7	Untrusted ▾
Gi 1/8	Untrusted ▾
Gi 1/9	Untrusted ▾
Gi 1/10	Untrusted ▾
Gi 1/11	Untrusted ▾
Gi 1/12	Untrusted ▾
10G 1/1	Untrusted ▾
10G 1/2	Untrusted ▾
10G 1/3	Untrusted ▾
10G 1/4	Untrusted ▾

◀ ▶

Parameters	Explanation
DHCP Snoopingv6 Mode	Click "Save" for the changes to take effect.
Port Mode	Enable or disable DHCP SnoopingV6. Indicates the DHCP snooping port mode. Possible port modes are: Trusted: Cons the port as trusted source of the DHCP

	<p>messages.</p> <p>Untrusted: Cons the port as untrusted source of the DHCP messages.</p>
--	--

Click "Save" for the changes to take effect.

2.5. Security con diagram

2.5.1. Exchange

2.5.1.1. User

The switch supports modifying the login password.

Click "Con Diagram > Security > Exchange > User".

Users Configuration

User Name	Privilege Level
admin	15

Add New User

Add User

User Settings	
User Name	<input type="text"/>
Password	<input type="password"/>
Password (again)	<input type="password"/>
Privilege Level	0 <input type="button" value="v"/>

Save Reset Cancel

Edit User

User Settings	
User Name	admin
Change Password	No <input type="button" value="v"/>
Privilege Level	15 <input type="button" value="v"/>

Save Reset Cancel

Parameters	Explanation
Username	Username
Password	Change password
Level	Modify user level

Click "Save" for the changes to take effect.

2.5.1.2. Privilege levels

Click on "Con Diagram > Security > Exchange > Privilege Level".

Privilege Level Configuration

Group Name	Privilege Levels			
	Configuration Read-only	Configuration/Execute Read/write	Status/Statistics Read-only	Status/Statistics Read/write
Aggregation	5	10	5	10
Alarm	5	10	5	10
BOX_SERVICE	5	10	5	10
CLOUD_SERVICE	5	10	5	10
DDMI	5	10	5	10
Debug	15	15	15	15
DHCP	5	10	5	10
DHCPv6_Client	5	10	5	10
Diagnostics	5	10	5	10
EPS	5	10	5	10
ERPS	5	10	5	10
ETH_LINK_OAM	5	10	5	10
EVC	5	10	5	10
Firmware	5	10	5	10
FRR	5	10	5	10
Green_Ethernet	5	10	5	10
HQoS	5	10	5	10
IP	5	10	5	10
IPC_SERVIE	5	10	5	10
IPMC_Snooping	5	10	5	10
LACP	5	10	5	10
LLDP	5	10	5	10
Loop_Protect	5	10	5	10
MAC_Table	5	10	5	10
MEP	5	10	5	10
Miscellaneous	15	15	15	15
MRP	5	10	5	10
MVR	5	10	5	10
NTP	5	10	5	10
Performance_Monitor	5	10	5	10
POE	5	10	5	10
Ports	5	10	1	10
Private_VLANs	5	10	5	10
QoS	5	10	5	10
RFC2544	5	10	5	10
RMirror	5	10	5	10
Security(access)	10	10	5	10
Security(network)	5	10	5	10

Click the "Save" button for the changes to take effect.

2.5.1.3. Authentication method

Click "Con Diagram > Security > Exchange > Authentication Method".

Authentication Method Configuration

Client	Methods		
console	local ▾	no ▾	no ▾
telnet	local ▾	no ▾	no ▾
ssh	local ▾	no ▾	no ▾
http	local ▾	no ▾	no ▾

Command Authorization Method Configuration

Client	Method	Cmd Lvl	Cfg Cmd
console	no ▾	0	<input type="checkbox"/>
telnet	no ▾	0	<input type="checkbox"/>
ssh	no ▾	0	<input type="checkbox"/>

Accounting Method Configuration

Client	Method	Cmd Lvl	Exec
console	no ▾		<input type="checkbox"/>
telnet	no ▾		<input type="checkbox"/>
ssh	no ▾		<input type="checkbox"/>

Save Reset

Click the "Save" button for the changes to take effect.

2.5.1.4. SSH

Click on "Con Diagram > Security > Exchange > SSH".

SSH Configuration

Mode Enabled ▾

Save Reset

Click the "Save" button for the changes to take effect.

2.5.1.5. HTTPS

Click on "Con Diagram > Security > Exchange > HTTPS"

HTTPS Configuration

Mode	Disabled ▾
Automatic Redirect	Disabled ▾
Certificate Maintain	None ▾
Certificate Status	Switch secure HTTP certificate is presented

Save Reset

Click the "Save" button for the changes to take effect.

2.5.1.6. Access Management

Click on “Configuration>Security>Switch>Access Management”

Access Management Configuration

Mode

Delete	VLAN ID	Start IP Address	End IP Address	HTTP/HTTPS	SNMP	TELNET/SSH
Delete	1	0.0.0.0	0.0.0.0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Delete	1	0.0.0.0	0.0.0.0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Add New Entry

Save

Click the "Save" button for the changes to take effect.

2.5.1.7. SNMP

2.5.1.7.1 system

Click on “Configuration>Security>Switch>SNMP>system ”.

SNMP System Configuration

Mode	<input type="text" value="Enabled"/>
Engine ID	<input type="text" value="800019cb030200c1f35383"/>

Save

Click the "Save" button for the changes to take effect.

2.5.1.7.2. Trap

Destinations

Click on “Configuration>Security>Switch>SNMP>Trap>Destinations”.

Trap Configuration

Trap Destination Configurations

Delete	Name	Enable	Version	Destination Address	Destination Port
--------	------	--------	---------	---------------------	------------------

Add New Entry

Save

SNMP Trap Configuration

Trap Config Name	<input type="text"/>
Trap Mode	Disabled <input type="button" value="v"/>
Trap Version	SNMP v2c <input type="button" value="v"/>
Trap Community	public
Trap Destination Address	<input type="text"/>
Trap Destination Port	162
Trap Inform Mode	Disabled <input type="button" value="v"/>
Trap Inform Timeout (seconds)	3
Trap Inform Retry Times	5
Trap Security Engine ID	800019cb030200c1f35383
Trap Security Name	None <input type="button" value="v"/>

Click the "Save" button for the changes to take effect.

Sources

Click on "Configuration>Security>Switch>SNMP>Trap>Sources".

Trap Configuration

Trap Source Configurations

Delete	Name	Type	Subset OID
<input type="button" value="Delete"/>	coldStart <input type="button" value="v"/>	included <input type="button" value="v"/>	<input type="text"/>

Click the "Save" button for the changes to take effect.

2.5.1.7.3. Communities

Click on "Configuration>Security>Switch>SNMP>Communities".

SNMPv3 Community Configuration

Delete	Community name	Community secret	Source IP	Source Prefix
<input type="checkbox"/>	public	public	0.0.0.0	0
<input type="checkbox"/>	private	private	0.0.0.0	0
<input type="button" value="Delete"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Click the "Save" button for the changes to take effect.

2.5.1.7.4 . Users

Click on “Configuration>Security>Switch>SNMP>Users”.

SNMPv3 User Configuration

Delete	Engine ID	User Name	Security Level	Authentication Protocol	Authentication Password	Privacy Protocol	Privacy Password
<input type="checkbox"/>	1	1	undefined	undefined	undefined	None

SNMPv3 User Configuration

Delete	Engine ID	User Name	Security Level	Authentication Protocol	Authentication Password	Privacy Protocol	Privacy Password
Delete	800019cb030200c1f35383		Auth, Priv	MD5		DES	

Click the "Save" button for the changes to take effect.

2.5.1.7.5. Groups

Click on “Configuration>Security>Switch>SNMP>Groups”.

SNMPv3 Group Configuration

Delete	Security Model	Security Name	Group Name
<input type="checkbox"/>	v1	public	default_ro_group
<input type="checkbox"/>	v1	private	default_rw_group
<input type="checkbox"/>	v2c	public	default_ro_group
<input type="checkbox"/>	v2c	private	default_rw_group
<input type="button" value="Delete"/>	v1	public	

Click the "Save" button for the changes to take effect.

2.5.1.7.6. Views

Click on Configuration>Security>Switch>SNMP>Views.

SNMPv3 View Configuration

Delete	View Name	View Type	OID Subtree
<input type="checkbox"/>	default_view	included	.1
<input type="button" value="Delete"/>		included	

Click "Save" for the changes to take effect.

2.5.1.7.7. Access

Click on “Configuration>Security>Switch>SNMP>Access”.

SNMPv3 Access Configuration

Delete	Group Name	Security Model	Security Level	Read View Name	Write View Name
<input type="checkbox"/>	default_ro_group	any	NoAuth, NoPriv	default_view ▼	None ▼
<input type="checkbox"/>	default_rw_group	any	NoAuth, NoPriv	default_view ▼	default_view ▼
Delete	default_ro_group ▼	any ▼	NoAuth, NoPriv ▼	None ▼	None ▼

Add New Entry Save Reset

Click "Save" for the changes to take effect.

2.5.1.8. RMON

2.5.1.8.1. Statistics

Click on “Configuration>Security>Switch>RMON>Statistics”.

RMON Statistics Configuration

Delete	ID	Data Source
Delete		.1.3.6.1.2.1.2.2.1.1. 0

Add New Entry Save Reset

Click "Save" for the changes to take effect.

2.5.1.8.2. History

Click on “Configuration>Security>Switch>SNMP>Trap>History”.

RMON History Configuration

Delete	ID	Data Source	Interval	Buckets	Buckets Granted
Delete		.1.3.6.1.2.1.2.2.1.1. 0	1800	50	

Add New Entry Save Reset

Click "Save" for the changes to take effect.

2.5.1.8.3. Alarm

Click on “Configuration>Security>Switch>SNMP>Trap>Alarm”.

RMON Alarm Configuration

Delete	ID	Interval	Variable	Sample Type	Value	Startup Alarm	Rising Threshold	Rising Index	Falling Threshold	Falling Index
Delete		30	.1.3.6.1.2.1.2.2.1. 0.0	Delta ▼	0	RisingOrFalling ▼	0	0	0	0

Add New Entry Save Reset

Click "Save" for the changes to take effect.

2.5.1.8.4. Event

Click on “Configuration>Security>Switch>SNMP>Trap>Event”.

RMON Event Configuration

Delete	ID	Desc	Type	Event Last Time
Delete	<input type="text"/>	<input type="text"/>	none ▾	0

Click "Save" for the changes to take effect.

2.5.2. Network

2.5.2.1. Port Security

Click on“Configuration>Security>Network>Port Security”.

Port Security Configuration

Global Configuration

Ageing Enabled	<input type="checkbox"/>
Ageing Period	<input type="text" value="3600"/> seconds
Hold Time	<input type="text" value="300"/> seconds

Port Configuration

Port	Mode	Limit	Violation Mode	Violation Limit	State
*	<> ▾	4	<> ▾	4	
1	Disabled ▾	4	Protect ▾	4	Disabled
2	Disabled ▾	4	Protect ▾	4	Disabled
3	Disabled ▾	4	Protect ▾	4	Disabled
4	Disabled ▾	4	Protect ▾	4	Disabled
5	Disabled ▾	4	Protect ▾	4	Disabled
6	Disabled ▾	4	Protect ▾	4	Disabled
7	Disabled ▾	4	Protect ▾	4	Disabled
8	Disabled ▾	4	Protect ▾	4	Disabled
9	Disabled ▾	4	Protect ▾	4	Disabled
10	Disabled ▾	4	Protect ▾	4	Disabled
11	Disabled ▾	4	Protect ▾	4	Disabled
12	Disabled ▾	4	Protect ▾	4	Disabled
13	Disabled ▾	4	Protect ▾	4	Disabled
14	Disabled ▾	4	Protect ▾	4	Disabled
15	Disabled ▾	4	Protect ▾	4	Disabled
16	Disabled ▾	4	Protect ▾	4	Disabled

Click "Save" for the changes to take effect.

2.5.2.2. NAS

Click on “Configuration>Security>Network>NAS”.

Network Access Server Configuration

System Configuration

Mode	Disabled
Reauthentication Enabled	<input type="checkbox"/>
Reauthentication Period	3600 seconds
EAPOL Timeout	30 seconds
Aging Period	300 seconds
Hold Time	10 seconds
RADIUS-Assigned QoS Enabled	<input type="checkbox"/>
RADIUS-Assigned VLAN Enabled	<input type="checkbox"/>
Guest VLAN Enabled	<input type="checkbox"/>
Guest VLAN ID	1
Max. Reauth. Count	2
Allow Guest VLAN if EAPOL Seen	<input type="checkbox"/>

Port Configuration

Port	Admin State	RADIUS-Assigned QoS Enabled	RADIUS-Assigned VLAN Enabled	Guest VLAN Enabled	Port State	Restart
*	<>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
1	Force Authorized	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Globally Disabled	Reauthenticate Reinitialize
2	Force Authorized	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Globally Disabled	Reauthenticate Reinitialize
3	Force Authorized	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Globally Disabled	Reauthenticate Reinitialize
4	Force Authorized	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Globally Disabled	Reauthenticate Reinitialize
5	Force Authorized	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Globally Disabled	Reauthenticate Reinitialize
6	Force Authorized	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Globally Disabled	Reauthenticate Reinitialize
7	Force Authorized	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Globally Disabled	Reauthenticate Reinitialize
8	Force Authorized	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Globally Disabled	Reauthenticate Reinitialize
9	Force Authorized	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Globally Disabled	Reauthenticate Reinitialize
10	Force Authorized	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Globally Disabled	Reauthenticate Reinitialize
11	Force Authorized	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Globally Disabled	Reauthenticate Reinitialize
12	Force Authorized	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Globally Disabled	Reauthenticate Reinitialize
13	Force Authorized	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Globally Disabled	Reauthenticate Reinitialize
14	Force Authorized	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Globally Disabled	Reauthenticate Reinitialize
15	Force Authorized	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Globally Disabled	Reauthenticate Reinitialize
16	Force Authorized	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Globally Disabled	Reauthenticate Reinitialize

Save Reset

Click "Save" for the changes to take effect.

2.5.2.3. ACL

2.5.2.3.1. Ports

Click on “Configuration>Security>Network>ACL>Ports”.

ACL Ports Configuration

Port	Policy ID	Action	Rate Limiter ID	Port Redirect	Mirror	Logging	Shutdown	State	Counter
*	0	<>	<>	Disabled Port 1 Port 2	<>	<>	<>	<>	*
1	0	Permit	Disabled	Disabled Port 1 Port 2	Disabled	Disabled	Disabled	Enabled	0
2	0	Permit	Disabled	Disabled Port 1 Port 2	Disabled	Disabled	Disabled	Enabled	1
3	0	Permit	Disabled	Disabled Port 1 Port 2	Disabled	Disabled	Disabled	Enabled	0
4	0	Permit	Disabled	Disabled Port 1 Port 2	Disabled	Disabled	Disabled	Enabled	4
5	0	Permit	Disabled	Disabled Port 1 Port 2	Disabled	Disabled	Disabled	Enabled	0
6	0	Permit	Disabled	Disabled Port 1 Port 2	Disabled	Disabled	Disabled	Enabled	0
7	0	Permit	Disabled	Disabled Port 1 Port 2	Disabled	Disabled	Disabled	Enabled	0
8	0	Permit	Disabled	Disabled Port 1 Port 2	Disabled	Disabled	Disabled	Enabled	883523
9	0	Permit	Disabled	Disabled Port 1 Port 2	Disabled	Disabled	Disabled	Enabled	0
10	0	Permit	Disabled	Disabled Port 1 Port 2	Disabled	Disabled	Disabled	Enabled	0
11	0	Permit	Disabled	Disabled Port 1 Port 2	Disabled	Disabled	Disabled	Enabled	0
12	0	Permit	Disabled	Disabled Port 1 Port 2	Disabled	Disabled	Disabled	Enabled	0
13	0	Permit	Disabled	Disabled Port 1 Port 2	Disabled	Disabled	Disabled	Enabled	0
14	0	Permit	Disabled	Disabled Port 1 Port 2	Disabled	Disabled	Disabled	Enabled	0

Click "Save" for the changes to take effect.

2.5.2.3.2. Rate Limiters

Click on “Configuration>Security>Network>ACL>Rate Limiters”.

ACL Rate Limiter Configuration

Rate Limiter ID	Rate	Unit
*	10	<> ▾
1	10	pps ▾
2	10	pps ▾
3	10	pps ▾
4	10	pps ▾
5	10	pps ▾
6	10	pps ▾
7	10	pps ▾
8	10	pps ▾
9	10	pps ▾
10	10	pps ▾
11	10	pps ▾
12	10	pps ▾
13	10	pps ▾
14	10	pps ▾
15	10	pps ▾
16	10	pps ▾

Click "Save" for the changes to take effect.

2.5.2.3.3. Access Control List

Click on “Configuration>Security>Network>ACL>Access Control List”.

Access Control List Configuration

ACE	Ingress Port	Policy / Bitmask	Frame Type	Action	Rate Limiter	Port Redirect	Mirror	Counter
⊕								

Click "Save" for the changes to take effect.

2.5.2.4. IP Source Guard

2.5.2.4.1. Configuration

Click on “Configuration>Security>Network>IP Source Guard>Configuration”.

IP Source Guard Configuration

Mode

Translate dynamic to static

Port Mode Configuration

Port	Mode	Max Dynamic Clients
*	<>	<>
1	Disabled	Unlimited
2	Disabled	Unlimited
3	Disabled	Unlimited
4	Disabled	Unlimited
5	Disabled	Unlimited
6	Disabled	Unlimited
7	Disabled	Unlimited
8	Disabled	Unlimited
9	Disabled	Unlimited
10	Disabled	Unlimited
11	Disabled	Unlimited
12	Disabled	Unlimited
13	Disabled	Unlimited
14	Disabled	Unlimited
15	Disabled	Unlimited
16	Disabled	Unlimited

Click "Save" for the changes to take effect.

2.5.2.4.2. Static Table

Click on “Configuration>Security>Network>IP Source Guard>Static Table”.

Static IP Source Guard Table

Delete	Port	VLAN ID	IP Address	MAC address
<input type="button" value="Delete"/>	<input type="text" value="1"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Click "Save" for the changes to take effect.

2.5.2.5. IPv6 Source Guard

2.5.2.5.1. Configuration

Click on “Configuration>Security>Network>IPv6 Source Guard>Configuration”.

IPv6 Source Guard Configuration

Mode

Translate dynamic to static

Port	Mode	Max Dynamic Clients
*	<>	<>
Gi 1/1	Disabled	Unlimited
Gi 1/2	Disabled	Unlimited
Gi 1/3	Disabled	Unlimited
Gi 1/4	Disabled	Unlimited
Gi 1/5	Disabled	Unlimited
Gi 1/6	Disabled	Unlimited
Gi 1/7	Disabled	Unlimited
Gi 1/8	Disabled	Unlimited
Gi 1/9	Disabled	Unlimited
Gi 1/10	Disabled	Unlimited
Gi 1/11	Disabled	Unlimited
Gi 1/12	Disabled	Unlimited
10G 1/1	Disabled	Unlimited
10G 1/2	Disabled	Unlimited
10G 1/3	Disabled	Unlimited
10G 1/4	Disabled	Unlimited

Click "Save" for the changes to take effect.

2.5.2.5.2. Static Table

Click on “Configuration>Security>Network>IPv6 Source Guard>Static Table”.

IPv6 Source Guard Static Table

Auto-refresh

Port VLAN ID IP Address MAC Address

Port	VLAN ID	IPv6 Address	MAC Address
------	---------	--------------	-------------

2.5.2.6. ARP Inspection

2.5.2.6.1. Port Configuration

Click on “Configuration>Security>Network>ARP Inspection>Port Configuration”.

ARP Inspection Configuration

Mode

Translate dynamic to static

Port Mode Configuration

Port	Mode	Check VLAN	Log Type
*	<>	<>	<>
1	Disabled	Disabled	None
2	Disabled	Disabled	None
3	Disabled	Disabled	None
4	Disabled	Disabled	None
5	Disabled	Disabled	None
6	Disabled	Disabled	None
7	Disabled	Disabled	None
8	Disabled	Disabled	None
9	Disabled	Disabled	None
10	Disabled	Disabled	None
11	Disabled	Disabled	None
12	Disabled	Disabled	None
13	Disabled	Disabled	None
14	Disabled	Disabled	None
15	Disabled	Disabled	None
16	Disabled	Disabled	None

Click "Save" for the changes to take effect.

2.5.2.6.2. VLAN Configuration

Click on “Configuration>Security>Network>ARP Inspection>VLAN Configuration”.

VLAN Mode Configuration

Start from VLAN with entries per page.

Delete	VLAN ID	Log Type
--------	---------	----------

Click "Save" for the changes to take effect.

2.5.2.6.3. Static Table

Click on “Configuration>Security>Network>ARP Inspection>Static Table”.

Static ARP Inspection Table

Delete	Port	VLAN ID	MAC Address	IP Address
Delete	1			

Add New Entry

Save Reset

Click "Save" for the changes to take effect.

2.5.2.6.4. Dynamic Table

Click on “Configuration>Security>Network>ARP Inspection>Dynamic Table”.

Dynamic ARP Inspection Table Auto-refresh Refresh |<< >>

Start from Port 1, VLAN 1, MAC address 00-00-00-00-00-00 and IP address 0.0.0.0 with 20 entries per page.

Port	VLAN ID	MAC Address	IP Address	Translate to static
No more entries				

Save Reset

Click "Save" for the changes to take effect.

2.5.3 AAA

2.5.3.1. RADIUS

Click on “Configuration>Security>AAA>RADIUS”.

RADIUS Server Configuration

Global Configuration

Timeout	5	seconds
Retransmit	3	times
Deadtime	0	minutes
Change Secret Key	No	
NAS-IP-Address		
NAS-IPv6-Address		
NAS-Identifier		

Server Configuration

Delete	Hostname	Auth Port	Acct Port	Timeout	Retransmit	Change Secret Key
--------	----------	-----------	-----------	---------	------------	-------------------

Add New Server

Save Reset

Click "Save" for the changes to take effect.

2.5.3.2. TACACS+

Click on “Configuration>Security>AAA>TACACS+”.

TACACS+ Server Configuration

Global Configuration

Timeout	5	seconds
Deadtime	0	minutes
Change Secret Key	No	

Server Configuration

Delete	Hostname	Port	Timeout	Change Secret Key
--------	----------	------	---------	-------------------

Add New Server

Save Reset

Click "Save" for the changes to take effect.

2.6. Aggregation

2.6.1. Common

Click on “Configuration>Aggregation>Common”.

Common Aggregation Configuration

Hash Code Contributors	
Source MAC Address	<input checked="" type="checkbox"/>
Destination MAC Address	<input type="checkbox"/>
IP Address	<input checked="" type="checkbox"/>
TCP/UDP Port Number	<input checked="" type="checkbox"/>

Save Reset

Click "Save" for the changes to take effect.

2.6.2. Groups

Click on “Configuration>Aggregation>Groups”.

Aggregation Group Configuration

Group ID	Port Members																Group Configuration		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	Mode	Revertive	Max Bundle
Normal	<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"/>	Disabled	<input checked="" type="checkbox"/>	16
1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Disabled	<input checked="" type="checkbox"/>	16
2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Disabled	<input checked="" type="checkbox"/>	16
3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Disabled	<input checked="" type="checkbox"/>	16
4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Disabled	<input checked="" type="checkbox"/>	16
5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Disabled	<input checked="" type="checkbox"/>	16
6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Disabled	<input checked="" type="checkbox"/>	16
7	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Disabled	<input checked="" type="checkbox"/>	16
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"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Disabled	<input checked="" type="checkbox"/>	16

Save Reset

Click "Save" for the changes to take effect.

2.6.3. LACP

Click on “Configuration>Aggregation>LACP”.

Aggregation Group Configuration

Group ID	Port Members																Group Configuration		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	Mode	Revertive	Max Bundle
Normal	<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"/>	Disabled	<input checked="" type="checkbox"/>	16
1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Disabled	<input checked="" type="checkbox"/>	16
2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Disabled	<input checked="" type="checkbox"/>	16
3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Disabled	<input checked="" type="checkbox"/>	16
4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Disabled	<input checked="" type="checkbox"/>	16
5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Disabled	<input checked="" type="checkbox"/>	16
6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Disabled	<input checked="" type="checkbox"/>	16
7	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Disabled	<input checked="" type="checkbox"/>	16
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"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Disabled	<input checked="" type="checkbox"/>	16

Save Reset

Click "Save" for the changes to take effect.

2.7. Link OAM

2.7.1. Port Settings

Click on “Configuration>Link OAM>Port Settings”.

Link OAM Port Configuration

Port	OAM Enabled	OAM Mode	Loopback Support	Link Monitor Support	MIB Retrieval Support	Loopback Operation
*	<input type="checkbox"/>	<>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1	<input type="checkbox"/>	Passive	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	<input type="checkbox"/>	Passive	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	<input type="checkbox"/>	Passive	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	<input type="checkbox"/>	Passive	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5	<input type="checkbox"/>	Passive	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6	<input type="checkbox"/>	Passive	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	<input type="checkbox"/>	Passive	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8	<input type="checkbox"/>	Passive	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9	<input type="checkbox"/>	Passive	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10	<input type="checkbox"/>	Passive	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11	<input type="checkbox"/>	Passive	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12	<input type="checkbox"/>	Passive	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13	<input type="checkbox"/>	Passive	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14	<input type="checkbox"/>	Passive	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15	<input type="checkbox"/>	Passive	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16	<input type="checkbox"/>	Passive	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Save Reset

Click "Save" for the changes to take effect.

2.7.2. Event Settings

Click on “Configuration>Link OAM>Event Settings”.

Link Event Configuration for Port 1 Port 1 ▾

Event Name	Error Window	Error Threshold
Error Frame Event	1	1
Symbol Period Error Event	1	1
Seconds Summary Event	60	1

Save Reset

Click "Save" for the changes to take effect.

2.8. Loop Protection

Click on“Configuration>Loop Protection>”.

Loop Protection Configuration

General Settings

Global Configuration	
Enable Loop Protection	Disable ▾
Transmission Time	5 seconds
Shutdown Time	180 seconds

Port Configuration

Port	Enable	Action	Tx Mode
*	<input checked="" type="checkbox"/>	<> ▾	<> ▾
1	<input checked="" type="checkbox"/>	Shutdown Port ▾	Enable ▾
2	<input checked="" type="checkbox"/>	Shutdown Port ▾	Enable ▾
3	<input checked="" type="checkbox"/>	Shutdown Port ▾	Enable ▾
4	<input checked="" type="checkbox"/>	Shutdown Port ▾	Enable ▾
5	<input checked="" type="checkbox"/>	Shutdown Port ▾	Enable ▾
6	<input checked="" type="checkbox"/>	Shutdown Port ▾	Enable ▾
7	<input checked="" type="checkbox"/>	Shutdown Port ▾	Enable ▾
8	<input checked="" type="checkbox"/>	Shutdown Port ▾	Enable ▾
9	<input checked="" type="checkbox"/>	Shutdown Port ▾	Enable ▾
10	<input checked="" type="checkbox"/>	Shutdown Port ▾	Enable ▾
11	<input checked="" type="checkbox"/>	Shutdown Port ▾	Enable ▾
12	<input checked="" type="checkbox"/>	Shutdown Port ▾	Enable ▾
13	<input checked="" type="checkbox"/>	Shutdown Port ▾	Enable ▾
14	<input checked="" type="checkbox"/>	Shutdown Port ▾	Enable ▾
15	<input checked="" type="checkbox"/>	Shutdown Port ▾	Enable ▾
16	<input checked="" type="checkbox"/>	Shutdown Port ▾	Enable ▾

Click "Save" for the changes to take effect.

2.9. Spanning Tree

2.9.1. Bridge Settings

Click on“Configuration>Spanning Tree>Bridge Settings”.

STP Bridge Configuration

Basic Settings

Protocol Version	MSTP ▾
Bridge Priority	32768 ▾
Hello Time	2
Forward Delay	15
Max Age	20
Maximum Hop Count	20
Transmit Hold Count	6

Advanced Settings

Edge Port BPDU Filtering	<input type="checkbox"/>
Edge Port BPDU Guard	<input type="checkbox"/>
Port Error Recovery	<input type="checkbox"/>
Port Error Recovery Timeout	

Click "Save" for the changes to take effect.

2.9.2. MSTI Mapping

Click on “Configuration>Spanning Tree>MSTI Mapping”.

MSTI Configuration

Add VLANs separated by spaces or comma.

Unmapped VLANs are mapped to the CIST. (The default bridge instance).

Configuration Identification

Configuration Name	02-00-c1-ea-40-f2
Configuration Revision	0

MSTI Mapping

MSTI	VLANs Mapped
MSTI1	
MSTI2	
MSTI3	
MSTI4	
MSTI5	
MSTI6	
MSTI7	

Click "Save" for the changes to take effect.

2.9.3. MSTI Priorities

Click on “Configuration>Spanning Tree>MSTI Priorities”.

MSTI Configuration

MSTI Priority Configuration

MSTI	Priority
*	<> ▼
CIST	32768 ▼
MSTI1	32768 ▼
MSTI2	32768 ▼
MSTI3	32768 ▼
MSTI4	32768 ▼
MSTI5	32768 ▼
MSTI6	32768 ▼
MSTI7	32768 ▼

Click "Save" for the changes to take effect.

2.9.4. CIST Ports

Click on “Configuration>Spanning Tree>CIST Ports”.

STP CIST Port Configuration

CIST Aggregated Port Configuration

Port	STP Enabled	Path Cost	Priority	Admin Edge	Auto Edge	Restricted Role	TCN	BPDU Guard	Point-to-point
-	<input checked="" type="checkbox"/>	Auto	128	Non-Edge	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Forced True

CIST Normal Port Configuration

Port	STP Enabled	Path Cost	Priority	Admin Edge	Auto Edge	Restricted Role	TCN	BPDU Guard	Point-to-point
*	<input checked="" type="checkbox"/>	<>	<>	<>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<>
1	<input checked="" type="checkbox"/>	Auto	128	Non-Edge	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Auto
2	<input checked="" type="checkbox"/>	Auto	128	Non-Edge	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Auto
3	<input checked="" type="checkbox"/>	Auto	128	Non-Edge	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Auto
4	<input checked="" type="checkbox"/>	Auto	128	Non-Edge	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Auto
5	<input checked="" type="checkbox"/>	Auto	128	Non-Edge	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Auto
6	<input checked="" type="checkbox"/>	Auto	128	Non-Edge	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Auto
7	<input checked="" type="checkbox"/>	Auto	128	Non-Edge	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Auto
8	<input checked="" type="checkbox"/>	Auto	128	Non-Edge	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Auto
9	<input checked="" type="checkbox"/>	Auto	128	Non-Edge	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Auto
10	<input checked="" type="checkbox"/>	Auto	128	Non-Edge	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Auto
11	<input checked="" type="checkbox"/>	Auto	128	Non-Edge	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Auto
12	<input checked="" type="checkbox"/>	Auto	128	Non-Edge	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Auto
13	<input checked="" type="checkbox"/>	Auto	128	Non-Edge	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Auto
14	<input checked="" type="checkbox"/>	Auto	128	Non-Edge	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Auto
15	<input checked="" type="checkbox"/>	Auto	128	Non-Edge	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Auto
16	<input checked="" type="checkbox"/>	Auto	128	Non-Edge	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Auto

Click "Save" for the changes to take effect.

2.9.5. MSTI Ports

Click on “Configuration>Spanning Tree>MSTI Ports”.

MSTI Port Configuration

Select MSTI

MST1

Get

MST1 MSTI Port Configuration

MSTI Aggregated Ports Configuration

Port	Path Cost	Priority
-	Auto	128

MSTI Normal Ports Configuration

Port	Path Cost	Priority
*	<>	<>
1	Auto	128
2	Auto	128
3	Auto	128
4	Auto	128
5	Auto	128
6	Auto	128
7	Auto	128
8	Auto	128
9	Auto	128
10	Auto	128
11	Auto	128
12	Auto	128
13	Auto	128
14	Auto	128
15	Auto	128
16	Auto	128

Save Reset

Click "Save" for the changes to take effect.

2.10. IPMC Profile

2.10.1. Profile Table

Click on "Configuration>IPMC Profile>Profile Table".

IPMC Profile Configurations

Global Profile Mode Disabled

IPMC Profile Table Setting

Delete	Profile Name	Profile Description	Rule
Delete			 

Add New IPMC Profile

Save Reset

Click "Save" for the changes to take effect.

2.12. IPMC

2.12.1. IGMP Snooping

2.12.1.1. Basic Configuration

Click on “Configuration>IGMP>IGMP Snooping>Basic Configuration”.

IGMP Snooping Configuration

Global Configuration	
Snooping Enabled	<input checked="" type="checkbox"/>
Unregistered IPMCv4 Flooding Enabled	<input checked="" type="checkbox"/>
IGMP SSM Range	<input type="text" value="232.0.0.0"/> / <input type="text" value="8"/>
Leave Proxy Enabled	<input type="checkbox"/>
Proxy Enabled	<input type="checkbox"/>

Port Related Configuration

Port	Router Port	Fast Leave	Throttling
*	<input type="checkbox"/>	<input type="checkbox"/>	<> ▾
1	<input type="checkbox"/>	<input type="checkbox"/>	unlimited ▾
2	<input type="checkbox"/>	<input type="checkbox"/>	unlimited ▾
3	<input type="checkbox"/>	<input type="checkbox"/>	unlimited ▾
4	<input type="checkbox"/>	<input type="checkbox"/>	unlimited ▾
5	<input type="checkbox"/>	<input type="checkbox"/>	unlimited ▾
6	<input type="checkbox"/>	<input type="checkbox"/>	unlimited ▾
7	<input type="checkbox"/>	<input type="checkbox"/>	unlimited ▾
8	<input type="checkbox"/>	<input type="checkbox"/>	unlimited ▾
9	<input type="checkbox"/>	<input type="checkbox"/>	unlimited ▾
10	<input type="checkbox"/>	<input type="checkbox"/>	unlimited ▾
11	<input type="checkbox"/>	<input type="checkbox"/>	unlimited ▾
12	<input type="checkbox"/>	<input type="checkbox"/>	unlimited ▾
13	<input type="checkbox"/>	<input type="checkbox"/>	unlimited ▾
14	<input type="checkbox"/>	<input type="checkbox"/>	unlimited ▾
15	<input type="checkbox"/>	<input type="checkbox"/>	unlimited ▾
16	<input type="checkbox"/>	<input type="checkbox"/>	unlimited ▾

Click "Save" for the changes to take effect.

2.12.1.2. VLAN Configuration

Click on “Configuration>IGMP>IGMP Snooping>VLAN Configuration”.

IGMP Snooping VLAN Configuration

Start from VLAN with entries per page.

VLAN ID	Snooping Enabled	Querier Election	Querier Address	Compatibility	PRI	RV	QI (sec)	QRI (0.1 sec)	LLQI (0.1 sec)	URI (sec)
1	<input type="checkbox"/>	<input checked="" type="checkbox"/>	0.0.0.0	IGMP-Auto	0	2	125	100	10	1

Click "Save" for the changes to take effect.

2.12.1.3. Port Filtering Profile

Click on “Configuration>IGMP>IGMP Snooping>Port Filtering Profile”.

IGMP Snooping Port Filtering Profile Configuration

Port	Filtering Profile
1	-
2	-
3	-
4	-
5	-
6	-
7	-
8	-
9	-
10	-
11	-
12	-
13	-
14	-
15	-
16	-

Click "Save" for the changes to take effect.

2.12.2. MLD Snooping

2.12.2.1. Basic Configuration

Click on “Configuration>IGMP>MLD Snooping>Basic Configuration”.

MLD Snooping Configuration

Global Configuration	
Snooping Enabled	<input checked="" type="checkbox"/>
Unregistered IPMCv6 Flooding Enabled	<input checked="" type="checkbox"/>
MLD SSM Range	ff3e:: / 96
Leave Proxy Enabled	<input type="checkbox"/>
Proxy Enabled	<input type="checkbox"/>

Port Related Configuration

Port	Router Port	Fast Leave	Throttling
*	<input type="checkbox"/>	<input type="checkbox"/>	<> ▾
1	<input type="checkbox"/>	<input type="checkbox"/>	unlimited ▾
2	<input type="checkbox"/>	<input type="checkbox"/>	unlimited ▾
3	<input type="checkbox"/>	<input type="checkbox"/>	unlimited ▾
4	<input type="checkbox"/>	<input type="checkbox"/>	unlimited ▾
5	<input type="checkbox"/>	<input type="checkbox"/>	unlimited ▾
6	<input type="checkbox"/>	<input type="checkbox"/>	unlimited ▾
7	<input type="checkbox"/>	<input type="checkbox"/>	unlimited ▾
8	<input type="checkbox"/>	<input type="checkbox"/>	unlimited ▾
9	<input type="checkbox"/>	<input type="checkbox"/>	unlimited ▾
10	<input type="checkbox"/>	<input type="checkbox"/>	unlimited ▾
11	<input type="checkbox"/>	<input type="checkbox"/>	unlimited ▾
12	<input type="checkbox"/>	<input type="checkbox"/>	unlimited ▾
13	<input type="checkbox"/>	<input type="checkbox"/>	unlimited ▾
14	<input type="checkbox"/>	<input type="checkbox"/>	unlimited ▾
15	<input type="checkbox"/>	<input type="checkbox"/>	unlimited ▾
16	<input type="checkbox"/>	<input type="checkbox"/>	unlimited ▾

Save Reset

Click "Save" for the changes to take effect.

2.12.2.2. VLAN Configuration

Click on “Configuration>IGMP>MLD Snooping>VLAN Configuration”.

MLD Snooping VLAN Configuration

Start from VLAN 1 with 20 entries per page.

VLAN ID	Snooping Enabled	Querier Election	Compatibility	PRI	RV	QI (sec)	QRI (0.1 sec)	LLQI (0.1 sec)	URI (sec)
1	<input type="checkbox"/>	<input checked="" type="checkbox"/>	MLD-Auto ▾	0 ▾	2	125	100	10	1

















Save Reset

Click "Save" for the changes to take effect.

2.12.2.3. Port Filtering Profile

Click on “Configuration>IGMP>MLD Snooping>Port Filtering Profile”.

MLD Snooping Port Filtering Profile Configuration

Port	Filtering Profile
1	 - v
2	 - v
3	 - v
4	 - v
5	 - v
6	 - v
7	 - v
8	 - v
9	 - v
10	 - v
11	 - v
12	 - v
13	 - v
14	 - v
15	 - v
16	 - v

Click "Save" for the changes to take effect.

2.13. LLDP

2.13.1. LLDP

Click on “Configuration>LLDP>LLDP”.

LLDP Configuration

LLDP Parameters

Tx Interval	30	seconds
Tx Hold	4	times
Tx Delay	2	seconds
Tx Reinit	2	seconds

LLDP Interface Configuration

Interface	Mode			Optional TLVs				
		CDP aware	Trap	Port Descr	Sys Name	Sys Descr	Sys Capa	Mgmt Addr
GigabitEthernet 1/1 *	<> ▾	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
GigabitEthernet 1/1	Enabled ▾	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
GigabitEthernet 1/2	Enabled ▾	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
GigabitEthernet 1/3	Enabled ▾	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
GigabitEthernet 1/4	Enabled ▾	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
GigabitEthernet 1/5	Enabled ▾	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
GigabitEthernet 1/6	Enabled ▾	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
GigabitEthernet 1/7	Enabled ▾	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
GigabitEthernet 1/8	Enabled ▾	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
GigabitEthernet 1/9	Enabled ▾	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
GigabitEthernet 1/10	Enabled ▾	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
GigabitEthernet 1/11	Enabled ▾	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
GigabitEthernet 1/12	Enabled ▾	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
10GigabitEthernet 1/1	Enabled ▾	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
10GigabitEthernet 1/2	Enabled ▾	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
10GigabitEthernet 1/3	Enabled ▾	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
10GigabitEthernet 1/4	Enabled ▾	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Save Reset

Click "Save" for the changes to take effect.

2.13.2. LLDP-MEO

Click on “Configuration>LLDP>LLDP-MEO”.

LLDP-MED Configuration

Fast Start Repeat Count

Fast start repeat count

LLDP-MED Interface Configuration

Interface	Transmit TLVs				Device Type
	Capabilities	Policies	Location	PoE	
*	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<>
GigabitEthernet 1/1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Connectivity
GigabitEthernet 1/2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Connectivity
GigabitEthernet 1/3	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Connectivity
GigabitEthernet 1/4	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Connectivity
GigabitEthernet 1/5	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Connectivity
GigabitEthernet 1/6	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Connectivity
GigabitEthernet 1/7	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Connectivity
GigabitEthernet 1/8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Connectivity
GigabitEthernet 1/9	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Connectivity
GigabitEthernet 1/10	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Connectivity
GigabitEthernet 1/11	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Connectivity
GigabitEthernet 1/12	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Connectivity
10GigabitEthernet 1/1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Connectivity
10GigabitEthernet 1/2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Connectivity
10GigabitEthernet 1/3	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Connectivity
10GigabitEthernet 1/4	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Connectivity

Coordinates Location

Latitude ° Longitude ° Altitude Map Datum

Civic Address Location

Country code	<input type="text"/>	State	<input type="text"/>	County	<input type="text"/>
City	<input type="text"/>	City district	<input type="text"/>	Block (Neighborhood)	<input type="text"/>
Street	<input type="text"/>	Leading street direction	<input type="text"/>	Trailing street suffix	<input type="text"/>
Street suffix	<input type="text"/>	House no.	<input type="text"/>	House no. suffix	<input type="text"/>
Landmark	<input type="text"/>	Additional location info	<input type="text"/>	Name	<input type="text"/>
Zip code	<input type="text"/>	Building	<input type="text"/>	Apartment	<input type="text"/>
Floor	<input type="text"/>	Room no.	<input type="text"/>	Place type	<input type="text"/>
Postal community name	<input type="text"/>	P.O. Box	<input type="text"/>	Additional code	<input type="text"/>

Emergency Call Service

Emergency Call Service

Emergency Call Service

Emergency Call Service

Policies

Delete	Policy ID	Application Type	Tag	VLAN ID	L2 Priority	DSCP
No entries present						

Click "Save" for the changes to take effect.

2.14. POE

Click on“Configuration>POE”.

Power Over Ethernet Configuration

Reserved Power determined by	<input checked="" type="radio"/> Class	<input type="radio"/> Allocation	<input type="radio"/> LLDP-MED
Power Management Mode	<input checked="" type="radio"/> Actual Consumption	<input type="radio"/> Reserved Power	
Capacitor Detection	<input checked="" type="radio"/> Disabled	<input type="radio"/> Enabled	

PoE Power Supply Configuration

Primary Power Supply [W]
250

PoE Port Configuration

Port	PoE Mode	Priority	Maximum Power [W]
*	<> ▾	<> ▾	0
1	PoE+ ▾	Low ▾	0
2	PoE+ ▾	Low ▾	0
3	PoE+ ▾	Low ▾	0
4	PoE+ ▾	Low ▾	0
5	PoE+ ▾	Low ▾	0
6	PoE+ ▾	Low ▾	0
7	PoE+ ▾	Low ▾	0
8	PoE+ ▾	Low ▾	0

Click "Save" for the changes to take effect.

2.15. EPS

Click on“Configuration>EPS”.

Ethernet Protection Switching

Delete	EPS ID	Domain	Architecture	W Flow	P Flow	W SF MEP	P SF MEP	APS MEP	Alarm
Delete	1	Port ▾	1+1 ▾	1	1	1	1	1	

Click "Save" for the changes to take effect.

2.16. MEP

Click on“Configuration>MEP”.

Maintenance Entity Point

Delete	Instance	Domain	Mode	Direction	Residence Port	Level	Flow Instance	Tagged VID	This MAC	Alarm
Delete	1	Port	Mep	Down	1	0	1	0		

Add New MEP Save Reset

Click "Save" for the changes to take effect.

2.17. ERPS

Click on“Configuration>ERPS”.

Ethernet Ring Protection Switching

Delete	ERPS ID	Port 0	Port 1	Port 0 APS MEP	Port 1 APS MEP	Port 0 SF MEP	Port 1 SF MEP	Ring Type	Interconnected Node	Virtual Channel	Major Ring ID	Alarm
Delete	1	1	1	1	1	1	1	Major	<input type="checkbox"/>	<input type="checkbox"/>	0	<input checked="" type="checkbox"/>

Add New Protection Group Save Reset

Click "Save" for the changes to take effect.

2.18. MAC Table

Click on“Configuration>MAC Table”.

MAC Address Table Configuration

Aging Configuration

Disable Automatic Aging

Aging Time 300 seconds

MAC Table Learning

	Port Members															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Auto	<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"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>
Disable	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Secure	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

VLAN Learning Configuration

Learning-disabled VLANs

Static MAC Table Configuration

Delete	VLAN ID	MAC Address	Port Members															
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Add New Static Entry

Save Reset

Click "Save" for the changes to take effect.

2.19. VLANS

2.19.1. Configuration

Click on “Configuration>VLANs>Configuration”.

Global VLAN Configuration

Allowed Access VLANs	1
Ethertype for Custom S-ports	88A8

Port VLAN Configuration

Port	Mode	Port VLAN	Port Type	Ingress Filtering	Ingress Acceptance	Egress Tagging	Allowed VLANs	Forbidden VLANs
*	<>	1	<>	<input checked="" type="checkbox"/>	<>	<>	1	
1	Access	1	C-Port	<input checked="" type="checkbox"/>	Tagged and Untagged	Untag All	1	
2	Access	1	C-Port	<input checked="" type="checkbox"/>	Tagged and Untagged	Untag All	1	
3	Access	1	C-Port	<input checked="" type="checkbox"/>	Tagged and Untagged	Untag All	1	
4	Access	1	C-Port	<input checked="" type="checkbox"/>	Tagged and Untagged	Untag All	1	
5	Access	1	C-Port	<input checked="" type="checkbox"/>	Tagged and Untagged	Untag All	1	
6	Access	1	C-Port	<input checked="" type="checkbox"/>	Tagged and Untagged	Untag All	1	
7	Access	1	C-Port	<input checked="" type="checkbox"/>	Tagged and Untagged	Untag All	1	
8	Access	1	C-Port	<input checked="" type="checkbox"/>	Tagged and Untagged	Untag All	1	
9	Access	1	C-Port	<input checked="" type="checkbox"/>	Tagged and Untagged	Untag All	1	
10	Access	1	C-Port	<input checked="" type="checkbox"/>	Tagged and Untagged	Untag All	1	
11	Access	1	C-Port	<input checked="" type="checkbox"/>	Tagged and Untagged	Untag All	1	
12	Access	1	C-Port	<input checked="" type="checkbox"/>	Tagged and Untagged	Untag All	1	
13	Access	1	C-Port	<input checked="" type="checkbox"/>	Tagged and Untagged	Untag All	1	
14	Access	1	C-Port	<input checked="" type="checkbox"/>	Tagged and Untagged	Untag All	1	
15	Access	1	C-Port	<input checked="" type="checkbox"/>	Tagged and Untagged	Untag All	1	
16	Access	1	C-Port	<input checked="" type="checkbox"/>	Tagged and Untagged	Untag All	1	

Save Reset

Click "Save" for the changes to take effect.

2.19.2. SVL

Click on “Configuration>VLANs>SVL”.

Shared VLAN Learning Configuration

Delete	FID	VLANs
Delete	1	

Add FID

Save Reset

Click "Save" for the changes to take effect.

2.20. VLAN Translation

2.20.1. Port to Group Configuration

Click on “Configuration>VLAN Translation>Port to Group Configuration”.

VLAN Translation Port Configuration

Auto-refresh Refresh

Port	Group Configuration	
	Default	Group ID
*	<input type="checkbox"/>	<> ▾
1	<input type="checkbox"/>	1 ▾
2	<input type="checkbox"/>	2 ▾
3	<input type="checkbox"/>	3 ▾
4	<input type="checkbox"/>	4 ▾
5	<input type="checkbox"/>	5 ▾
6	<input type="checkbox"/>	6 ▾
7	<input type="checkbox"/>	7 ▾
8	<input type="checkbox"/>	8 ▾
9	<input type="checkbox"/>	9 ▾
10	<input type="checkbox"/>	10 ▾
11	<input type="checkbox"/>	11 ▾
12	<input type="checkbox"/>	12 ▾
13	<input type="checkbox"/>	13 ▾
14	<input type="checkbox"/>	14 ▾
15	<input type="checkbox"/>	15 ▾
16	<input type="checkbox"/>	16 ▾

Save Reset

Click "Save" for the changes to take effect.

2.21. Private VLAN

2.21.1. Membership

Click on “Configuration>Private VLANs>Membership”.

Private VLAN Membership Configuration

Auto-refresh Refresh

Delete	PVLAN ID	Port Members															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
<input type="checkbox"/>	1	<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"/>

Add New Private VLAN

Save Reset

Click "Save" for the changes to take effect.

2.21.2. Port Isolation

Click on “Configuration>Private VLANs>Port Isolation”.

Port Isolation Configuration

Auto-refresh Refresh

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

Save Reset

Click "Save" for the changes to take effect.

2.22. VCL

2.22.1. MAC-based VLAN

Click on “Configuration>VCL>MAC-based VLAN”.

MAC-based VLAN Membership Configuration

Auto-refresh Refresh

Delete	MAC Address	VLAN ID	Port Members															
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Currently no entries present																		

Add New Entry

Save Reset

Click "Save" for the changes to take effect.

2.22.2. Protocol-based VLAN

2.22.2.1. Protocol to Group

Click on “Configuration>VCL>Protocol-based VLAN>rotocol to Group”.

Protocol to Group Mapping Table

Auto-refresh Refresh

Delete	Frame Type	Value	Group Name
Delete	Ethernet ▼	Etype: 0x0800	

Add New Entry

Save Reset

Click "Save" for the changes to take effect.

2.22.2.2. Group to VLAN

Click on “Configuration>VCL>Protocol-based VLAN>Group to VLAN”.

Group Name to VLAN mapping Table

Auto-refresh Refresh

Delete	Group Name	VLAN ID	Port Members															
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Delete	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Add New Entry

Save Reset

Click "Save" for the changes to take effect.

2.22.3. IP Subnet-based VLAN

Click on “Configuration>VCL>IP Subnet-based VLAN”.

IP Subnet-based VLAN Membership Configuration

Auto-refresh Refresh

Delete	IP Address	Mask Length	VLAN ID	Port Members															
				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Delete	0.0.0.0	24	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Add New Entry

Save Reset

Click "Save" for the changes to take effect.

2.23. Voice VLAN

2.23.1. Configuration

Click on “Configuration>Voice VLAN>Configuration”.

Voice VLAN Configuration

Mode	Disabled
VLAN ID	1000
Aging Time	86400 seconds
Traffic Class	7 (High)

Port Configuration

Port	Mode	Security	Discovery Protocol
*	<>	<>	<>
1	Disabled	Disabled	OUI
2	Disabled	Disabled	OUI
3	Disabled	Disabled	OUI
4	Disabled	Disabled	OUI
5	Disabled	Disabled	OUI
6	Disabled	Disabled	OUI
7	Disabled	Disabled	OUI
8	Disabled	Disabled	OUI
9	Disabled	Disabled	OUI
10	Disabled	Disabled	OUI
11	Disabled	Disabled	OUI
12	Disabled	Disabled	OUI
13	Disabled	Disabled	OUI
14	Disabled	Disabled	OUI
15	Disabled	Disabled	OUI
16	Disabled	Disabled	OUI

Save Reset

Click "Save" for the changes to take effect.

2.23.2. OUI

Click on “Configuration>Voice VLAN>OUI”.

Voice VLAN OUI Table

Delete	Telephony OUI	Description
<input type="checkbox"/>	00-01-e3	Siemens AG phones
<input type="checkbox"/>	00-03-6b	Cisco phones
<input type="checkbox"/>	00-0f-e2	H3C phones
<input type="checkbox"/>	00-60-b9	Philips and NEC AG phones
<input type="checkbox"/>	00-d0-1e	Pingtel phones
<input type="checkbox"/>	00-e0-75	Polycom phones
<input type="checkbox"/>	00-e0-bb	3Com phones

Add New Entry

Save Reset

Click "Save" for the changes to take effect.

2.24. Ethernet Services

2.24.1. L2CP

Click on “Configuration>Ethernet Services>L2CP”.

L2CP Port Configuration

Port 1

DMAC	L2CP Mode	CoS ID
*	<>	<>
01-80-C2-00-00-00	Peer	Disabled
01-80-C2-00-00-01	Peer	Disabled
01-80-C2-00-00-02	Peer	Disabled
01-80-C2-00-00-03	Peer	Disabled
01-80-C2-00-00-04	Peer	Disabled
01-80-C2-00-00-05	Peer	Disabled
01-80-C2-00-00-06	Peer	Disabled
01-80-C2-00-00-07	Peer	Disabled
01-80-C2-00-00-08	Peer	Disabled
01-80-C2-00-00-09	Peer	Disabled
01-80-C2-00-00-0A	Peer	Disabled
01-80-C2-00-00-0B	Peer	Disabled
01-80-C2-00-00-0C	Peer	Disabled
01-80-C2-00-00-0D	Peer	Disabled
01-80-C2-00-00-0E	Peer	Disabled
01-80-C2-00-00-0F	Peer	Disabled
01-80-C2-00-00-20	Forward	Disabled
01-80-C2-00-00-21	Forward	Disabled
01-80-C2-00-00-22	Forward	Disabled
01-80-C2-00-00-23	Forward	Disabled
01-80-C2-00-00-24	Forward	Disabled
01-80-C2-00-00-25	Forward	Disabled
01-80-C2-00-00-26	Forward	Disabled
01-80-C2-00-00-27	Forward	Disabled
01-80-C2-00-00-28	Forward	Disabled
01-80-C2-00-00-29	Forward	Disabled
01-80-C2-00-00-2A	Forward	Disabled
01-80-C2-00-00-2B	Forward	Disabled
01-80-C2-00-00-2C	Forward	Disabled
01-80-C2-00-00-2D	Forward	Disabled
01-80-C2-00-00-2E	Forward	Disabled
01-80-C2-00-00-2F	Forward	Disabled

Click "Save" for the changes to take effect.

2.24.2. Bandwidth Profiles

Click on “Configuration>Ethernet Services>Bandwidth Profiles”.

Bandwidth Profiles Configuration

Start from Policer ID with entries per page.

Policer ID	State	Type	Policer Mode	Rate Type	CIR (kbps)	CBS (bytes)	EIR (kbps)	EBS (bytes)
<input type="button" value="Save"/> <input type="button" value="Reset"/>								

Click "Save" for the changes to take effect.

2.24.3. EVC

Click on “Configuration>Ethernet Services>EVC”.

EVC List Configuration

Auto-refresh

EVC ID	Name	VID	IVID	Learning	Port Role	NNI QoS Map	HQoS IDs	
<input type="button" value="⊕"/>								

Click "Save" for the changes to take effect.

2.24.4. ECE

Click on “Configuration>Ethernet Services>ECE”.

ECE List Configuration

ECE ID	Ingress Matching						Actions					Conflict
	Ingress Ports	Tag Type	VID	PCP	DEI	Frame Type	Direction	EVC ID	Tag Pop Count	Policy ID	Ingress Map	
<input type="button" value="⊕"/>												

Click "Save" for the changes to take effect.

2.25. Performance Monitor

2.25.1. Configuration

Click on “Configuration>Performance Monitor>Configuration”.

PM Session and Storage Configuration

Type	Enable Session	Enable Storage	Measurement Interval(mins)
Loss Measurement	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text" value="15"/>
Delay Measurement	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text" value="15"/>
Delay Measurement Binning		<input type="checkbox"/>	
EVC	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text" value="15"/>

Click "Save" for the changes to take effect.

2.25.2. Transfer Mode

Click on “Configuration>Performance Monitor>Transfer Mode”.

PM Transfer Configuration

PM Transfer Mode : Disabled

Scheduled hours:

00:00 HRS
01:00 HRS
02:00 HRS
03:00 HRS
04:00 HRS
05:00 HRS
06:00 HRS

Scheduled minutes:

Every 00:00
 Every 00:15
 Every 00:30
 Every 00:45

Scheduled offset:

0 minutes

Random offset:

0 seconds

Server Directory URL :

Transfer Interval Mode : All available intervals
 New intervals since last transfer
 Fixed number of intervals Number of intervals

Transfer Option : Include intervals from previous incomplete transfers

Click "Save" for the changes to take effect.

2.26. QoS

2.26.1 Port Classification

Click on “Configuration>QoS>Port Classification”.

QoS Port Classification

Port	Ingress					Tag Class.	DSCP Based	WRED Group	Map	Egress Map
	CoS	DPL	PCP	DEI	CoS ID					
*	<>	<>	<>	<>	<>		<input type="checkbox"/>	<>		
1	0	0	0	0	0	Disabled	<input type="checkbox"/>	1		
2	0	0	0	0	0	Disabled	<input type="checkbox"/>	1		
3	0	0	0	0	0	Disabled	<input type="checkbox"/>	1		
4	0	0	0	0	0	Disabled	<input type="checkbox"/>	1		
5	0	0	0	0	0	Disabled	<input type="checkbox"/>	1		
6	0	0	0	0	0	Disabled	<input type="checkbox"/>	1		
7	0	0	0	0	0	Disabled	<input type="checkbox"/>	1		
8	0	0	0	0	0	Disabled	<input type="checkbox"/>	1		
9	0	0	0	0	0	Disabled	<input type="checkbox"/>	1		
10	0	0	0	0	0	Disabled	<input type="checkbox"/>	1		
11	0	0	0	0	0	Disabled	<input type="checkbox"/>	1		
12	0	0	0	0	0	Disabled	<input type="checkbox"/>	1		
13	0	0	0	0	0	Disabled	<input type="checkbox"/>	1		
14	0	0	0	0	0	Disabled	<input type="checkbox"/>	1		
15	0	0	0	0	0	Disabled	<input type="checkbox"/>	1		
16	0	0	0	0	0	Disabled	<input type="checkbox"/>	1		

Click "Save" for the changes to take effect.

2.26.2. Port Policing

Click on “Configuration>QoS>Port Policing”.

QoS Ingress Port Policers

Port	Enable	Rate	Unit	Flow Control
*	<input type="checkbox"/>	500	<> ▼	<input type="checkbox"/>
1	<input type="checkbox"/>	500	kbps ▼	<input type="checkbox"/>
2	<input type="checkbox"/>	500	kbps ▼	<input type="checkbox"/>
3	<input type="checkbox"/>	500	kbps ▼	<input type="checkbox"/>
4	<input type="checkbox"/>	500	kbps ▼	<input type="checkbox"/>
5	<input type="checkbox"/>	500	kbps ▼	<input type="checkbox"/>
6	<input type="checkbox"/>	500	kbps ▼	<input type="checkbox"/>
7	<input type="checkbox"/>	500	kbps ▼	<input type="checkbox"/>
8	<input type="checkbox"/>	500	kbps ▼	<input type="checkbox"/>
9	<input type="checkbox"/>	500	kbps ▼	<input type="checkbox"/>
10	<input type="checkbox"/>	500	kbps ▼	<input type="checkbox"/>
11	<input type="checkbox"/>	500	kbps ▼	<input type="checkbox"/>
12	<input type="checkbox"/>	500	kbps ▼	<input type="checkbox"/>
13	<input type="checkbox"/>	500	kbps ▼	<input type="checkbox"/>
14	<input type="checkbox"/>	500	kbps ▼	<input type="checkbox"/>
15	<input type="checkbox"/>	500	kbps ▼	<input type="checkbox"/>
16	<input type="checkbox"/>	500	kbps ▼	<input type="checkbox"/>

Save Reset

Click "Save" for the changes to take effect.

2.26.3. Queue Policing

Click on “Configuration>QoS>Queue Policing”.

QoS Ingress Queue Policers

Port	Queue 0 Enable	Queue 1 Enable	Queue 2 Enable	Queue 3 Enable	Queue 4 Enable	Queue 5 Enable	Queue 6 Enable	Queue 7 Enable
*	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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"/>
9	<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	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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"/>
14	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Save Reset

Click "Save" for the changes to take effect.

2.26.4. Port Scheduler

Click on “Configuration>QoS>Queue Policing”.

QoS Egress Port Schedulers

Port	Mode	Weight							
		Q0	Q1	Q2	Q3	Q4	Q5	Q6	Q7
1	Strict Priority	-	-	-	-	-	-	-	-
2	Strict Priority	-	-	-	-	-	-	-	-
3	Strict Priority	-	-	-	-	-	-	-	-
4	Strict Priority	-	-	-	-	-	-	-	-
5	Strict Priority	-	-	-	-	-	-	-	-
6	Strict Priority	-	-	-	-	-	-	-	-
7	Strict Priority	-	-	-	-	-	-	-	-
8	Strict Priority	-	-	-	-	-	-	-	-
9	Strict Priority	-	-	-	-	-	-	-	-
10	Strict Priority	-	-	-	-	-	-	-	-
11	Strict Priority	-	-	-	-	-	-	-	-
12	Strict Priority	-	-	-	-	-	-	-	-
13	Strict Priority	-	-	-	-	-	-	-	-
14	Strict Priority	-	-	-	-	-	-	-	-
15	Strict Priority	-	-	-	-	-	-	-	-
16	Strict Priority	-	-	-	-	-	-	-	-

Click "Save" for the changes to take effect.

2.26.5. Port Shaping

Click on “Configuration>QoS>Port Shaping”.

QoS Egress Port Shapers

Port	Shapers								Port
	Q0	Q1	Q2	Q3	Q4	Q5	Q6	Q7	
1	-	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-	-	-
6	-	-	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-

Click "Save" for the changes to take effect.

2.26.6. Port Tag Remarking

Click on “Configuration>QoS>Port Tag Remarking”.

QoS Egress Port Tag Remarking

Port	Mode
1	Classified
2	Classified
3	Classified
4	Classified
5	Classified
6	Classified
7	Classified
8	Classified
9	Classified
10	Classified
11	Classified
12	Classified
13	Classified
14	Classified
15	Classified
16	Classified

Click "Save" for the changes to take effect.

2.26.7. Port DSCP

Click on “Configuration>QoS>Port DSCP”.

QoS Port DSCP Configuration

Port	Ingress		Egress
	Translate	Classify	Rewrite
*	<input type="checkbox"/>	<> ▾	<> ▾
1	<input type="checkbox"/>	Disable ▾	Disable ▾
2	<input type="checkbox"/>	Disable ▾	Disable ▾
3	<input type="checkbox"/>	Disable ▾	Disable ▾
4	<input type="checkbox"/>	Disable ▾	Disable ▾
5	<input type="checkbox"/>	Disable ▾	Disable ▾
6	<input type="checkbox"/>	Disable ▾	Disable ▾
7	<input type="checkbox"/>	Disable ▾	Disable ▾
8	<input type="checkbox"/>	Disable ▾	Disable ▾
9	<input type="checkbox"/>	Disable ▾	Disable ▾
10	<input type="checkbox"/>	Disable ▾	Disable ▾
11	<input type="checkbox"/>	Disable ▾	Disable ▾
12	<input type="checkbox"/>	Disable ▾	Disable ▾
13	<input type="checkbox"/>	Disable ▾	Disable ▾
14	<input type="checkbox"/>	Disable ▾	Disable ▾
15	<input type="checkbox"/>	Disable ▾	Disable ▾
16	<input type="checkbox"/>	Disable ▾	Disable ▾

Click "Save" for the changes to take effect.

2.26.8. DSCP-Based QoS

DSCP-Based QoS Ingress Classification

DSCP	Trust	CoS	DPL
*	<input type="checkbox"/>	<> v	<> v
0 (BE)	<input type="checkbox"/>	0 v	0 v
1	<input type="checkbox"/>	0 v	0 v
2	<input type="checkbox"/>	0 v	0 v
3	<input type="checkbox"/>	0 v	0 v
4	<input type="checkbox"/>	0 v	0 v
5	<input type="checkbox"/>	0 v	0 v
6	<input type="checkbox"/>	0 v	0 v
7	<input type="checkbox"/>	0 v	0 v
8 (CS1)	<input type="checkbox"/>	0 v	0 v
9	<input type="checkbox"/>	0 v	0 v
10 (AF11)	<input type="checkbox"/>	0 v	0 v
11	<input type="checkbox"/>	0 v	0 v
12 (AF12)	<input type="checkbox"/>	0 v	0 v
13	<input type="checkbox"/>	0 v	0 v
14 (AF13)	<input type="checkbox"/>	0 v	0 v
15	<input type="checkbox"/>	0 v	0 v
16 (CS2)	<input type="checkbox"/>	0 v	0 v
17	<input type="checkbox"/>	0 v	0 v
18 (AF21)	<input type="checkbox"/>	0 v	0 v
19	<input type="checkbox"/>	0 v	0 v
20 (AF22)	<input type="checkbox"/>	0 v	0 v
21	<input type="checkbox"/>	0 v	0 v
22 (AF23)	<input type="checkbox"/>	0 v	0 v
23	<input type="checkbox"/>	0 v	0 v
24 (CS3)	<input type="checkbox"/>	0 v	0 v
25	<input type="checkbox"/>	0 v	0 v
26 (AF31)	<input type="checkbox"/>	0 v	0 v
27	<input type="checkbox"/>	0 v	0 v
28 (AF32)	<input type="checkbox"/>	0 v	0 v
29	<input type="checkbox"/>	0 v	0 v
30 (AF33)	<input type="checkbox"/>	0 v	0 v
31	<input type="checkbox"/>	0 v	0 v

Click [here](#) on "Configuration>QoS>DSCP-Based QoS".

31	<input type="checkbox"/>	0	0
32 (CS4)	<input type="checkbox"/>	0	0
33	<input type="checkbox"/>	0	0
34 (AF41)	<input type="checkbox"/>	0	0
35	<input type="checkbox"/>	0	0
36 (AF42)	<input type="checkbox"/>	0	0
37	<input type="checkbox"/>	0	0
38 (AF43)	<input type="checkbox"/>	0	0
39	<input type="checkbox"/>	0	0
40 (CS5)	<input type="checkbox"/>	0	0
41	<input type="checkbox"/>	0	0
42	<input type="checkbox"/>	0	0
43	<input type="checkbox"/>	0	0
44	<input type="checkbox"/>	0	0
45	<input type="checkbox"/>	0	0
46 (EF)	<input type="checkbox"/>	0	0
47	<input type="checkbox"/>	0	0
48 (CS6)	<input type="checkbox"/>	0	0
49	<input type="checkbox"/>	0	0
50	<input type="checkbox"/>	0	0
51	<input type="checkbox"/>	0	0
52	<input type="checkbox"/>	0	0
53	<input type="checkbox"/>	0	0
54	<input type="checkbox"/>	0	0
55	<input type="checkbox"/>	0	0
56 (CS7)	<input type="checkbox"/>	0	0
57	<input type="checkbox"/>	0	0
58	<input type="checkbox"/>	0	0
59	<input type="checkbox"/>	0	0
60	<input type="checkbox"/>	0	0
61	<input type="checkbox"/>	0	0
62	<input type="checkbox"/>	0	0
63	<input type="checkbox"/>	0	0

Click "Save" for the changes to take effect.

2.26.9. DSCP Translation

Click on "Configuration>QoS>DSCP Translation".

DSCP Translation

DSCP	Ingress		Egress
	Translate	Classify	Remap
*	<>	<input type="checkbox"/>	<>
0 (BE)	0 (BE)	<input type="checkbox"/>	0 (BE)
1	1	<input type="checkbox"/>	1
2	2	<input type="checkbox"/>	2
3	3	<input type="checkbox"/>	3
4	4	<input type="checkbox"/>	4
5	5	<input type="checkbox"/>	5
6	6	<input type="checkbox"/>	6
7	7	<input type="checkbox"/>	7
8 (CS1)	8 (CS1)	<input type="checkbox"/>	8 (CS1)
9	9	<input type="checkbox"/>	9
10 (AF11)	10 (AF11)	<input type="checkbox"/>	10 (AF11)
11	11	<input type="checkbox"/>	11
12 (AF12)	12 (AF12)	<input type="checkbox"/>	12 (AF12)
13	13	<input type="checkbox"/>	13
14 (AF13)	14 (AF13)	<input type="checkbox"/>	14 (AF13)
15	15	<input type="checkbox"/>	15
16 (CS2)	16 (CS2)	<input type="checkbox"/>	16 (CS2)
17	17	<input type="checkbox"/>	17
18 (AF21)	18 (AF21)	<input type="checkbox"/>	18 (AF21)
19	19	<input type="checkbox"/>	19
20 (AF22)	20 (AF22)	<input type="checkbox"/>	20 (AF22)
21	21	<input type="checkbox"/>	21
22 (AF23)	22 (AF23)	<input type="checkbox"/>	22 (AF23)
23	23	<input type="checkbox"/>	23
24 (CS3)	24 (CS3)	<input type="checkbox"/>	24 (CS3)
25	25	<input type="checkbox"/>	25
26 (AF31)	26 (AF31)	<input type="checkbox"/>	26 (AF31)
27	27	<input type="checkbox"/>	27
28 (AF32)	28 (AF32)	<input type="checkbox"/>	28 (AF32)
29	29	<input type="checkbox"/>	29
30 (AF33)	30 (AF33)	<input type="checkbox"/>	30 (AF33)
31	31	<input type="checkbox"/>	31
32 (CS4)	32 (CS4)	<input type="checkbox"/>	32 (CS4)
33	33	<input type="checkbox"/>	33
34 (AF41)	34 (AF41)	<input type="checkbox"/>	34 (AF41)
35	35	<input type="checkbox"/>	35
36 (AF42)	36 (AF42)	<input type="checkbox"/>	36 (AF42)

31	31	▼	<input type="checkbox"/>	31	▼
32 (CS4)	32 (CS4)	▼	<input type="checkbox"/>	32 (CS4)	▼
33	33	▼	<input type="checkbox"/>	33	▼
34 (AF41)	34 (AF41)	▼	<input type="checkbox"/>	34 (AF41)	▼
35	35	▼	<input type="checkbox"/>	35	▼
36 (AF42)	36 (AF42)	▼	<input type="checkbox"/>	36 (AF42)	▼
37	37	▼	<input type="checkbox"/>	37	▼
38 (AF43)	38 (AF43)	▼	<input type="checkbox"/>	38 (AF43)	▼
39	39	▼	<input type="checkbox"/>	39	▼
40 (CS5)	40 (CS5)	▼	<input type="checkbox"/>	40 (CS5)	▼
41	41	▼	<input type="checkbox"/>	41	▼
42	42	▼	<input type="checkbox"/>	42	▼
43	43	▼	<input type="checkbox"/>	43	▼
44	44	▼	<input type="checkbox"/>	44	▼
45	45	▼	<input type="checkbox"/>	45	▼
46 (EF)	46 (EF)	▼	<input type="checkbox"/>	46 (EF)	▼
47	47	▼	<input type="checkbox"/>	47	▼
48 (CS6)	48 (CS6)	▼	<input type="checkbox"/>	48 (CS6)	▼
49	49	▼	<input type="checkbox"/>	49	▼
50	50	▼	<input type="checkbox"/>	50	▼
51	51	▼	<input type="checkbox"/>	51	▼
52	52	▼	<input type="checkbox"/>	52	▼
53	53	▼	<input type="checkbox"/>	53	▼
54	54	▼	<input type="checkbox"/>	54	▼
55	55	▼	<input type="checkbox"/>	55	▼
56 (CS7)	56 (CS7)	▼	<input type="checkbox"/>	56 (CS7)	▼
57	57	▼	<input type="checkbox"/>	57	▼
58	58	▼	<input type="checkbox"/>	58	▼
59	59	▼	<input type="checkbox"/>	59	▼
60	60	▼	<input type="checkbox"/>	60	▼
61	61	▼	<input type="checkbox"/>	61	▼
62	62	▼	<input type="checkbox"/>	62	▼
63	63	▼	<input type="checkbox"/>	63	▼

Click "Save" for the changes to take effect.

2.26.10. DSCP Classification

Click on “Configuration>QoS>DSCP Classification”.

DSCP Classification

CoS	DSCP DP0	DSCP DP1	DSCP DP2	DSCP DP3
*	<> ▼	<> ▼	<> ▼	<> ▼
0	0 (BE) ▼	0 (BE) ▼	0 (BE) ▼	0 (BE) ▼
1	0 (BE) ▼	0 (BE) ▼	0 (BE) ▼	0 (BE) ▼
2	0 (BE) ▼	0 (BE) ▼	0 (BE) ▼	0 (BE) ▼
3	0 (BE) ▼	0 (BE) ▼	0 (BE) ▼	0 (BE) ▼
4	0 (BE) ▼	0 (BE) ▼	0 (BE) ▼	0 (BE) ▼
5	0 (BE) ▼	0 (BE) ▼	0 (BE) ▼	0 (BE) ▼
6	0 (BE) ▼	0 (BE) ▼	0 (BE) ▼	0 (BE) ▼
7	0 (BE) ▼	0 (BE) ▼	0 (BE) ▼	0 (BE) ▼

Save Reset

Click "Save" for the changes to take effect.

2.26.11. Ingress Map

Click on “Configuration>QoS>Ingress Map”.

QoS Ingress Map Configuration

Map ID	Key-Type	Action-Type						
		CoS	DPL	PCP	DEI	DSCP	CoS ID	Path CoS ID
+								

Ingress Map Configuration

Ingress Map ID

MAP ID | 0

Ingress Map Key

Map Key | PCP ▼

Ingress Map Action

CoS	Disabled ▼
DPL	Disabled ▼
PCP	Disabled ▼
DEI	Disabled ▼
DSCP	Disabled ▼
CoS ID	Disabled ▼
Path CoS ID	Disabled ▼

Submit Reset Cancel

Click "Save" for the changes to take effect.

2.26.12. Egress Map

Click on “Configuration>QoS>Egress Map”.

QoS Egress Map Configuration

Map ID	Key-Type	Action-Type			
		PCP	DEI	DSCP	Path CoS ID
+					

Egress Map Configuration

Egress Map ID

MAP ID	<input type="text" value="0"/>
--------	--------------------------------

Egress Map Key

Map Key	<input type="text" value="CoS ID"/>
---------	-------------------------------------

Egress Map Action

PCP	<input type="text" value="Disabled"/>
DEI	<input type="text" value="Disabled"/>
DSCP	<input type="text" value="Disabled"/>
Path CoS ID	<input type="text" value="Disabled"/>

<input type="button" value="Submit"/>	<input type="button" value="Reset"/>	<input type="button" value="Cancel"/>
---------------------------------------	--------------------------------------	---------------------------------------

Click "Save" for the changes to take effect.

2.26.13. QoS Control List

Click on “Configuration>QoS>QoS Control List”.

QoS Control List Configuration

QCE	Port	DMAC	SMAC	Tag Type	VID	PCP	DEI	Frame Type	Action					
									CoS	DPL	DSCP	PCP	DEI	Policy
+														

QCE Configuration

Port Members															
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
<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"/>

Key Parameters

DMAC	Any
SMAC	Any
Tag	Any
VID	Any
PCP	Any
DEI	Any
Inner Tag	Any
Inner VID	Any
Inner PCP	Any
Inner DEI	Any
Frame Type	Any

Action Parameters

CoS	0
DPL	Default
DSCP	Default
PCP	Default
DEI	Default
Policy	
Ingress Map ID	

Click "Save" for the changes to take effect.

2.26.14. Storm Policing

Click on "Configuration>QoS>Storm Policing".

Global Storm Policer Configuration

Frame Type	Enable	Rate	Unit
Unicast	<input type="checkbox"/>	10	fps
Multicast	<input type="checkbox"/>	10	fps
Broadcast	<input type="checkbox"/>	10	fps

Port Storm Policer Configuration

Port	Unicast Frames			Broadcast Frames			Unknown Frames		
	Enable	Rate	Unit	Enable	Rate	Unit	Enable	Rate	Unit
*	<input type="checkbox"/>	500	<>	<input type="checkbox"/>	500	<>	<input type="checkbox"/>	500	<>
1	<input type="checkbox"/>	500	kbps	<input type="checkbox"/>	500	kbps	<input type="checkbox"/>	500	kbps
2	<input type="checkbox"/>	500	kbps	<input type="checkbox"/>	500	kbps	<input type="checkbox"/>	500	kbps
3	<input type="checkbox"/>	500	kbps	<input type="checkbox"/>	500	kbps	<input type="checkbox"/>	500	kbps
4	<input type="checkbox"/>	500	kbps	<input type="checkbox"/>	500	kbps	<input type="checkbox"/>	500	kbps
5	<input type="checkbox"/>	500	kbps	<input type="checkbox"/>	500	kbps	<input type="checkbox"/>	500	kbps
6	<input type="checkbox"/>	500	kbps	<input type="checkbox"/>	500	kbps	<input type="checkbox"/>	500	kbps
7	<input type="checkbox"/>	500	kbps	<input type="checkbox"/>	500	kbps	<input type="checkbox"/>	500	kbps
8	<input type="checkbox"/>	500	kbps	<input type="checkbox"/>	500	kbps	<input type="checkbox"/>	500	kbps
9	<input type="checkbox"/>	500	kbps	<input type="checkbox"/>	500	kbps	<input type="checkbox"/>	500	kbps
10	<input type="checkbox"/>	500	kbps	<input type="checkbox"/>	500	kbps	<input type="checkbox"/>	500	kbps
11	<input type="checkbox"/>	500	kbps	<input type="checkbox"/>	500	kbps	<input type="checkbox"/>	500	kbps
12	<input type="checkbox"/>	500	kbps	<input type="checkbox"/>	500	kbps	<input type="checkbox"/>	500	kbps
13	<input type="checkbox"/>	500	kbps	<input type="checkbox"/>	500	kbps	<input type="checkbox"/>	500	kbps
14	<input type="checkbox"/>	500	kbps	<input type="checkbox"/>	500	kbps	<input type="checkbox"/>	500	kbps
15	<input type="checkbox"/>	500	kbps	<input type="checkbox"/>	500	kbps	<input type="checkbox"/>	500	kbps
16	<input type="checkbox"/>	500	kbps	<input type="checkbox"/>	500	kbps	<input type="checkbox"/>	500	kbps

Click "Save" for the changes to take effect.

2.26.15. WRED

Click on “Configuration>QoS>WRED”.

Weighted Random Early Detection Configuration

Group	Queue	DPL	Enable	Min	Max	Max Unit
1	0	1	<input type="checkbox"/>	0	50	Drop Probability ▼
1	0	2	<input type="checkbox"/>	0	50	Drop Probability ▼
1	0	3	<input type="checkbox"/>	0	50	Drop Probability ▼
1	1	1	<input type="checkbox"/>	0	50	Drop Probability ▼
1	1	2	<input type="checkbox"/>	0	50	Drop Probability ▼
1	1	3	<input type="checkbox"/>	0	50	Drop Probability ▼
1	2	1	<input type="checkbox"/>	0	50	Drop Probability ▼
1	2	2	<input type="checkbox"/>	0	50	Drop Probability ▼
1	2	3	<input type="checkbox"/>	0	50	Drop Probability ▼
1	3	1	<input type="checkbox"/>	0	50	Drop Probability ▼
1	3	2	<input type="checkbox"/>	0	50	Drop Probability ▼
1	3	3	<input type="checkbox"/>	0	50	Drop Probability ▼
1	4	1	<input type="checkbox"/>	0	50	Drop Probability ▼
1	4	2	<input type="checkbox"/>	0	50	Drop Probability ▼
1	4	3	<input type="checkbox"/>	0	50	Drop Probability ▼
1	5	1	<input type="checkbox"/>	0	50	Drop Probability ▼
1	5	2	<input type="checkbox"/>	0	50	Drop Probability ▼
1	5	3	<input type="checkbox"/>	0	50	Drop Probability ▼
1	6	1	<input type="checkbox"/>	0	50	Drop Probability ▼
1	6	2	<input type="checkbox"/>	0	50	Drop Probability ▼
1	6	3	<input type="checkbox"/>	0	50	Drop Probability ▼
1	7	1	<input type="checkbox"/>	0	50	Drop Probability ▼
1	7	2	<input type="checkbox"/>	0	50	Drop Probability ▼
1	7	3	<input type="checkbox"/>	0	50	Drop Probability ▼
2	0	1	<input type="checkbox"/>	0	50	Drop Probability ▼
2	0	2	<input type="checkbox"/>	0	50	Drop Probability ▼
2	0	3	<input type="checkbox"/>	0	50	Drop Probability ▼
2	1	1	<input type="checkbox"/>	0	50	Drop Probability ▼
2	1	2	<input type="checkbox"/>	0	50	Drop Probability ▼
2	1	3	<input type="checkbox"/>	0	50	Drop Probability ▼
2	2	1	<input type="checkbox"/>	0	50	Drop Probability ▼
2	2	2	<input type="checkbox"/>	0	50	Drop Probability ▼
2	2	3	<input type="checkbox"/>	0	50	Drop Probability ▼
2	3	1	<input type="checkbox"/>	0	50	Drop Probability ▼
2	3	2	<input type="checkbox"/>	0	50	Drop Probability ▼
2	3	3	<input type="checkbox"/>	0	50	Drop Probability ▼
2	4	1	<input type="checkbox"/>	0	50	Drop Probability ▼
2	4	2	<input type="checkbox"/>	0	50	Drop Probability ▼
2	4	3	<input type="checkbox"/>	0	50	Drop Probability ▼

Click "Save" for the changes to take effect.

2.27. HQoS

2.27.1. Ports

Click on “Configuration>HQoS>Ports”.

HQoS Port Configuration

Port	Scheduling Mode	HQoS Configuration
*	<> ▼	-
1	Normal ▼	-
2	Normal ▼	-
3	Normal ▼	-
4	Normal ▼	-
5	Normal ▼	-
6	Normal ▼	-
7	Normal ▼	-
8	Normal ▼	-
9	Normal ▼	-
10	Normal ▼	-
11	Normal ▼	-
12	Normal ▼	-
13	Normal ▼	-
14	Normal ▼	-
15	Normal ▼	-
16	Normal ▼	-

Save Reset

Click "Save" for the changes to take effect.

2.27.2. HQoS Entries

Click on “Configuration>HQoS>HQoS Entries”.

HQoS Entry Configuration

HQoS ID	Port	HQoS Configuration

+

Add New HQoS Entry

HQoS ID	1
Port	Port 1 ▼

Save Reset Cancel

Click "Save" for the changes to take effect.

2.28. Mirroring

Click on “Configuration>Mirroring”.

Mirror & RMirror Configuration Table

Refresh

Session ID	Mode	Type	VLAN ID	Reflector Port
1	Disabled	Mirror	-	-
2	Disabled	Mirror	-	-
3	Disabled	Mirror	-	-
4	Disabled	Mirror	-	-
5	Disabled	Mirror	-	-

2.29. UPnP

Click on “Configuration>UPnP”.

UPnP Configuration

Mode	Disabled ▾
TTL	4
Advertising Duration	100
IP Addressing Mode	Dynamic ▾
Static VLAN Interface ID	1

Save Reset

Click "Save" for the changes to take effect.

2.30. MRP

2.30.1. Ports

Click on “Configuration>MRP>Ports”.

MRP Overall Port Configuration Auto-refresh Refresh

Port	Join Timeout	Leave Timeout	LeaveAll Timeout	Periodic Transmission
-	20	60	1000	<input type="checkbox"/>
1	20	60	1000	<input type="checkbox"/>
2	20	60	1000	<input type="checkbox"/>
3	20	60	1000	<input type="checkbox"/>
4	20	60	1000	<input type="checkbox"/>
5	20	60	1000	<input type="checkbox"/>
6	20	60	1000	<input type="checkbox"/>
7	20	60	1000	<input type="checkbox"/>
8	20	60	1000	<input type="checkbox"/>
9	20	60	1000	<input type="checkbox"/>
10	20	60	1000	<input type="checkbox"/>
11	20	60	1000	<input type="checkbox"/>
12	20	60	1000	<input type="checkbox"/>
13	20	60	1000	<input type="checkbox"/>
14	20	60	1000	<input type="checkbox"/>
15	20	60	1000	<input type="checkbox"/>
16	20	60	1000	<input type="checkbox"/>

Save Reset

Click "Save" for the changes to take effect.

2.30.2. MVRP

Click on “Configuration>MRP>MVRP”.

MVRP Global Configuration Auto-refresh Refresh

Global State	Disabled
Managed VLANs	1-4094

MVRP Port Configuration

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

Save Reset

Click "Save" for the changes to take effect.

2.31. GVRP

2.31.1 Global config

Click on “Configuration>GVRP>Global config”.

GVRP Configuration

Enable GVRP

Parameter	Value
Join-time:	20
Leave-time:	60
LeaveAll-time:	1000
Max VLANs:	20

Save

Click "Save" for the changes to take effect.

2.31.2. Port config

Click on “Configuration>GVRP>Port config”.

GVRP Port Configuration

Port	Mode
*	<> ▼
1	Disabled ▼
2	Disabled ▼
3	Disabled ▼
4	Disabled ▼
5	Disabled ▼
6	Disabled ▼
7	Disabled ▼
8	Disabled ▼
9	Disabled ▼
10	Disabled ▼
11	Disabled ▼
12	Disabled ▼
13	Disabled ▼
14	Disabled ▼
15	Disabled ▼
16	Disabled ▼

Click "Save" for the changes to take effect.

2.32. sFlow

Click on “Configuration>sFlow”.

sFlow Configuration

Refresh

Agent Configuration

IP Address

Receiver Configuration

Owner	<none>	Release
IP Address/Hostname	0.0.0.0	
UDP Port	6343	
Timeout	0	seconds
Max. Datagram Size	1400	bytes

Port Configuration

Port	Flow Sampler			Counter Poller	
	Enabled	Sampling Rate	Max. Header	Enabled	Interval
*	<input type="checkbox"/>	0	128	<input type="checkbox"/>	0
1	<input type="checkbox"/>	0	128	<input type="checkbox"/>	0
2	<input type="checkbox"/>	0	128	<input type="checkbox"/>	0
3	<input type="checkbox"/>	0	128	<input type="checkbox"/>	0
4	<input type="checkbox"/>	0	128	<input type="checkbox"/>	0
5	<input type="checkbox"/>	0	128	<input type="checkbox"/>	0
6	<input type="checkbox"/>	0	128	<input type="checkbox"/>	0
7	<input type="checkbox"/>	0	128	<input type="checkbox"/>	0
8	<input type="checkbox"/>	0	128	<input type="checkbox"/>	0
9	<input type="checkbox"/>	0	128	<input type="checkbox"/>	0
10	<input type="checkbox"/>	0	128	<input type="checkbox"/>	0
11	<input type="checkbox"/>	0	128	<input type="checkbox"/>	0
12	<input type="checkbox"/>	0	128	<input type="checkbox"/>	0
13	<input type="checkbox"/>	0	128	<input type="checkbox"/>	0
14	<input type="checkbox"/>	0	128	<input type="checkbox"/>	0
15	<input type="checkbox"/>	0	128	<input type="checkbox"/>	0
16	<input type="checkbox"/>	0	128	<input type="checkbox"/>	0

Save Reset

Click "Save" for the changes to take effect.

2.33. Traffic Test

2.33.1. Y.1564

2.33.1.1. Profiles

Click on “Configuration>Traffic Test>Y.1564> Profiles”.

Y.1564 Profile Overview

Delete	Name	Description
	<No profiles>	

Add New Profile

Y.1564 Profile Configuration

Common Parameters	
Profile Name	NewProfile
Description	
Dual-ended	<input type="checkbox"/>
DST is OAM-aware	<input type="checkbox"/>
Traffic Type	Y.1731 OAM
MEG Level	7
Frame Size	512 bytes
User-defined Frame Size	2000 bytes
Dwell Time	500 msec
Service Acceptance Criteria	
Acceptable FLR	0 %
Acceptable FTD	0 msec
Acceptable FDV	0 msec
CIR Configuration Test Parameters	
Enable	<input checked="" type="checkbox"/>
Step Duration	10 secs
DM Interval	500 msec
Step Count	4
EIR Configuration Test Parameters	
Enable	<input checked="" type="checkbox"/>
Duration	10 secs
DM Interval	500 msec
Traffic Policing Test Parameters	
Enable	<input checked="" type="checkbox"/>
Duration	10 secs
DM Interval	500 msec
Performance Test Parameters	
Enable	<input checked="" type="checkbox"/>
Duration	15 minutes
User-defined Duration	900 secs
DM Interval	500 msec

Save | Reset | Cancel

Click "Save" for the changes to take effect.

2.33.1.2. Reports

Click on "Configuration>Traffic Test>Y.1564> Reports".

Y.1564 Report Overview

Action	Save	Name	Description	Created	Status
<No test reports>					

Start New Test

Y.1564 Test Start

Refresh

Report Name	Report-1
Description	
Profile	<No Profiles>
Traffic Type	
Peer MAC	00-00-00-00-00-01
EVC ID	<No EVCs>

CoS ID	ECE ID	Enable	UNI Port	VLAN Tag				DSCP
				Tagging	VLAN ID	PCP	DEI	
<No ECES>								

Run | Cancel

Click "Save" for the changes to take effect.

2.33.2. RFC2544

2.33.2.1. Profiles

Click on “Configuration>Traffic Test>RFC2544> Profiles”.

RFC2544 Profile Overview

Delete	Name	Description
	<No profiles>	

Add New Profile

RFC2544 Profile Configuration

Common Parameters	
Profile Name	NewProfile
Description	
DST is OAM-aware	<input type="checkbox"/>
MEG Level	7
Egress Port	Port 1
Sequence Number Check	<input type="checkbox"/>
Dwell Time	2 secs
Type	Port Down-MEP
VLAN ID	1
PCP	0
DEI	0
DMAC	00-00-00-00-00-01
Frame Sizes	
<input checked="" type="checkbox"/> 64	<input checked="" type="checkbox"/> 128
<input checked="" type="checkbox"/> 1280	<input checked="" type="checkbox"/> 1518
<input checked="" type="checkbox"/> 256	<input checked="" type="checkbox"/> 2000
<input checked="" type="checkbox"/> 512	<input type="checkbox"/> 9600
<input checked="" type="checkbox"/> 1024	
Throughput Test Parameters	
Enable	<input checked="" type="checkbox"/>
Trial Duration	60 secs
Minimum Rate	800 ‰
Maximum Rate	1000 ‰
Accuracy	2 ‰
Allowed Frame Loss	0 ‰
Latency Test Parameters	
Enable	<input checked="" type="checkbox"/>
Trial Duration	120 secs
Delay Meas. Interval	10 secs
Allowed Frame Loss	0 ‰
Frame Loss Test Parameters	
Enable	<input type="checkbox"/>
Trial Duration	60 secs
Minimum Rate	800 ‰
Maximum Rate	1000 ‰
Rate Step	5 ‰
Back-to-Back Test Parameters	
Enable	<input type="checkbox"/>
Trial Duration	2000 msec
Trial Count	50

Save Reset Cancel

Click "Save" for the changes to take effect.

2.33.2.2. Reports

Click on “Configuration>Traffic Test>RFC2544> Reports”.

RFC2544 Report Overview

Action	Save	Name	Description	Created	Status
<No test reports>					

RFC2544 Test Start

Report Name	<input type="text"/>
Description	<input type="text"/>
Profile	<No Profiles> <input type="button" value="v"/>
DMAC	00-00-00-00-00-00

Click "Save" for the changes to take effect.

2.33.3. Loop

Click on “Configuration>Traffic Test>Loop”.

Traffic Test Loop

Delete	Instance	Name	Domain	Flow	Type	Direction	Residence Port	Operational State	OpState Control
<input type="button" value="Delete"/>	<input type="text" value="1"/>	<input type="text"/>	Port <input type="button" value="v"/>	<input type="text" value="1"/>	Mac-Loop <input type="button" value="v"/>	Facility <input type="button" value="v"/>	<input type="text" value="1"/>		

Click "Save" for the changes to take effect.

2.34. DDMI

Click on “Configuration>DDMI”.

DDMI Configuration

Click "Save" for the changes to take effect.

2.35. UDLD

Click on “Configuration>UDLD”.

UDLD Port Configuration

Port	UDLD mode	Message Interval
*	<>	7
1	Disable	7
2	Disable	7
3	Disable	7
4	Disable	7
5	Disable	7
6	Disable	7
7	Disable	7
8	Disable	7
9	Disable	7
10	Disable	7
11	Disable	7
12	Disable	7
13	Disable	7
14	Disable	7
15	Disable	7
16	Disable	7

Save Reset

Click "Save" for the changes to take effect.

2.38. OSPF

2.38.1. Configuration

Click on “Configuration>OSPF>Configuration”.

OSPF Global Configuration

OSPF Router Mode

Save Reset

Clear OSPF Process

Click "Save" for the changes to take effect.

2.38.2. Network Area

Click on “Configuration>OSPF>Network Area”.

OSPF Network Area Configuration

Delete	Network Address	Mask Length	Area ID
	*	*	*
No entry exists			

Add New Entry

Save Reset

Click "Save" for the changes to take effect.

2.38.3. Passive Interface

Click on "Configuration>OSPF>Passive Interface".

OSPF Passive Interface Configuration

Interface VLAN	Passive Interface
*	
No entry exists	

Save Reset

Click "Save" for the changes to take effect.

2.38.4. Stub Area

Click on "Configuration>OSPF>Stub Area".

OSPF Area Stub Configuration

Delete	Area ID	Stub Type	No Summary	Translator Role
*				
Delete	0.0.0.0	Stub Area ▾	<input type="checkbox"/>	Candidate ▾

Add New Entry

Save Reset

Click "Save" for the changes to take effect.

2.38.5. Area Authentication

Click on "Configuration>OSPF>Area Authentication".

OSPF Area Authentication Configuration

Delete	Area ID	Auth. Type
*		
Delete	0.0.0.0	Simple Password ▾

Add New Entry

Save Reset

Click "Save" for the changes to take effect.

2.38.6. Area Range

Click on “Configuration>OSPF>Area Range”.

OSPF Area Range Configuration

Delete	Area ID	Network Address	Mask Length	Advertise	Cost
Delete	0.0.0.0	0.0.0.0	24	<input checked="" type="checkbox"/> Auto	0

Add New Entry

Save Reset

Click "Save" for the changes to take effect.

2.38.7. Interfaces

Click on “Configuration>OSPF>Interfaces”.

OSPF Interface Configuration

Interface	Priority	Cost	FastHelloPackets	Interval			Auth. Type	Change Simple Password	MD Key
				Hello	Dead	Retransmit			
*	1	<>	<input type="checkbox"/>	2	10	40	5	<>	* * *
VLAN 1	1	Auto	<input type="checkbox"/>	2	10	40	5	Area Configuration	<input type="checkbox"/> <input type="text"/> <input type="text"/>

Save Reset

Click "Save" for the changes to take effect.

2.38.8. Virtual Link

Click on “Configuration>OSPF>Virtual Link”.

OSPF Virtual Link Configuration

Delete	Area ID	Router ID	Interval			Auth. Type	Change Simple Password	MD Key
			Hello	Dead	Retransmit			
Delete	0.0.0.0	0.0.0.0	10	40	5	Area Configuration	<input checked="" type="checkbox"/> <input type="text"/>	<input type="text"/>

Add New Entry

Save Reset

Click "Save" for the changes to take effect.

Chapter 3. Monitor

3.1. System

3.1.1. Information

Click on “Monitor>system >Information”.

System Information	
System	
Contact Name	
Location	
Hardware	
MAC Address	02-00-c1-d8-b0-3c
Chip ID	VSC7449
Time	
System Date	1970-01-01T03:11:55+00:00
System Uptime	0d 03:11:55
Software	
Software Version	12GE-4GF-L3 dev-build by root@jeslabz-Aspire-TC-705 2022-11-07T17:25:11+08:00 Config:ce_sparxIV_90_48 Profile:ce_sparxIV_90_48 SDK:2018.02-011-smb
Software Date	2022-11-07T17:25:11+08:00
Code Revision	Environment variable 'CODE_REVISION' not set during compile
Acknowledgments	Details

3.1.2. LED status

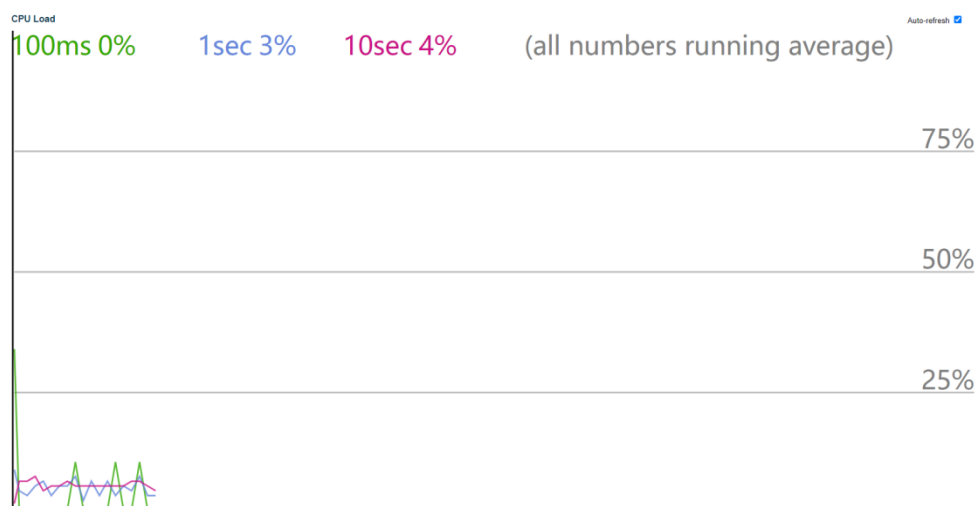
Click on “Monitor>system >LED status”.

System LED Status

Clear Type	All
Description	System LED: green, solid, normal indication.

3.1.3. CPU Load

Click on “Monitor>system >CPU Load”.



3.1.4. IP Status

Click on “Monitor>system >IP Status”.

IP Interfaces

Interface	Type	Address	Status
VLAN1	LINK	02-00-c1-db-b0-3c	<UP BROADCAST MULTICAST>
VLAN1	IPv4	192.168.2.112/24	
VLAN1	IPv6	fe80::c1ff:fedb:b03c/64	

IPv6 Routes

Network	Gateway	Status
---------	---------	--------

Neighbour cache

IP Address	Link Address
169.254.210.149	VLAN1:6c-4b-90-ae-ed-07
192.168.1.1	VLAN1:ec-60-73-32-1e-22
192.168.1.62	VLAN1:6c-4b-90-ae-ed-07
192.168.1.64	VLAN1:42-e3-2c-e7-5c-f1
192.168.1.67	VLAN1:20-77-59-04-ae-f0
192.168.1.71	VLAN1:f4-bf-80-6b-21-c3
192.168.1.72	VLAN1:72-60-b1-70-b6-b0
192.168.1.73	VLAN1:52-c4-31-75-de-80
192.168.1.77	VLAN1:92-cd-1a-19-30-7f
192.168.1.79	VLAN1:ea-c0-96-41-13-aa
192.168.1.87	VLAN1:8e-42-44-0a-44-a1
192.168.1.89	VLAN1:ae-75-c3-82-bf-e6
192.168.1.90	VLAN1:5a-07-9d-89-31-b5
192.168.1.91	VLAN1:12-16-de-f3-4f-d1
192.168.1.92	VLAN1:bc-6e-e2-eb-32-82
192.168.1.93	VLAN1:22-45-aa-69-00-34
192.168.1.94	VLAN1:8c-c8-4b-ea-7b-c9
192.168.1.96	VLAN1:82-77-30-c2-95-e3
192.168.1.97	VLAN1:38-ba-f8-87-cd-8c
192.168.1.98	VLAN1:6c-4b-90-98-90-b3
192.168.1.99	VLAN1:20-77-59-04-ae-f0
192.168.1.105	VLAN1:e4-aa-ea-98-5a-c9
192.168.1.107	VLAN1:c0-b5-d7-83-ef-3d
192.168.1.123	VLAN1:20-77-59-0a-09-62
192.168.1.135	VLAN1:40-5b-d8-a8-5b-53
192.168.1.139	VLAN1:94-08-53-9c-fa-89
192.168.2.1	VLAN1:20-77-59-0a-09-62
192.168.2.118	VLAN1:d4-5d-64-44-0e-fe
192.168.2.151	VLAN1:c0-56-e3-73-d0-6c
192.168.2.160	VLAN1:e0-50-8b-79-fc-a2

3.1.5. Routing Info. Base

Click on “Monitor>system >Routing Info. Base”.

Routing Information Base 1 - 1 of 1 entry Auto-refresh Refresh << << >> >>

Start from Network / Protocol NextHop with entries per page

Codes: C - connected, S - static, O - OSPF, R - RIP, V - VRRP, B - BGP * - selected route, D - DHCP installed route

Protocol	Network/Prefix	NextHop	Distance	Metric	Interface	Uptime (hh:mm:ss)	State
C*	192.168.2.0/24	-	-	-	VLAN 1	02:50:00	Active

3.1.6. Log

Click on “Monitor>system >Log”.

System Log Information

Level	All
Clear Level	All

The total number of entries is 36 for the given level.

Start from ID with entries per page.

ID	Level	Time	Message
1	Notice	1970-01-01T00:00:30+00:00	LINK-CHANGED: Interface GigabitEthernet 1/1, changed state to down .
2	Notice	1970-01-01T00:00:30+00:00	LINK-CHANGED: Interface GigabitEthernet 1/2, changed state to down .
3	Notice	1970-01-01T00:00:30+00:00	LINK-CHANGED: Interface GigabitEthernet 1/3, changed state to down .
4	Notice	1970-01-01T00:00:30+00:00	LINK-CHANGED: Interface GigabitEthernet 1/4, changed state to down .
5	Notice	1970-01-01T00:00:31+00:00	LINK-CHANGED: Interface GigabitEthernet 1/6, changed state to up .
6	Notice	1970-01-01T00:00:31+00:00	LINK-CHANGED: Interface GigabitEthernet 1/9, changed state to down .
7	Notice	1970-01-01T00:00:31+00:00	LINK-CHANGED: Interface GigabitEthernet 1/10, changed state to down .
8	Notice	1970-01-01T00:00:31+00:00	LINK-CHANGED: Interface GigabitEthernet 1/11, changed state to down .
9	Notice	1970-01-01T00:00:31+00:00	LINK-CHANGED: Interface GigabitEthernet 1/12, changed state to down .
10	Notice	1970-01-01T00:00:31+00:00	LINK-CHANGED: Interface 10GigabitEthernet 1/1, changed state to down .
11	Informational	1970-01-01T00:00:37+00:00	SYS-BOOTING: Switch just made a cold boot.
12	Notice	1970-01-01T00:00:40+00:00	LINK-UPDOWN: Interface Vlan 1, changed state to up.
13	Notice	1970-01-01T00:00:40+00:00	LINK-UPDOWN: Interface Vlan 1, changed state to up.
14	Notice	1970-01-01T00:00:41+00:00	LINK-UPDOWN: Interface Vlan 1, changed state to down.
15	Notice	1970-01-01T00:00:44+00:00	LINK-UPDOWN: Interface Vlan 1, changed state to up.
16	Notice	1970-01-01T00:00:46+00:00	LINK-CHANGED: Interface GigabitEthernet 1/1, changed state to up (MEP).
17	Notice	1970-01-01T00:00:46+00:00	LINK-CHANGED: Interface GigabitEthernet 1/2, changed state to up (MEP).
18	Notice	1970-01-01T00:00:46+00:00	LINK-CHANGED: Interface GigabitEthernet 1/3, changed state to up (MEP).
19	Notice	1970-01-01T00:00:46+00:00	LINK-CHANGED: Interface GigabitEthernet 1/4, changed state to up (MEP).
20	Notice	1970-01-01T00:00:46+00:00	LINK-CHANGED: Interface GigabitEthernet 1/5, changed state to up (MEP).

3.1.7. Detailed Log

Click on “Monitor>system >Information”.

Detailed System Log Information

ID	<input type="text" value="1"/>
----	--------------------------------

Message

Level	Notice
Time	1970-01-01T00:00:30+00:00
Message	LINK-CHANGED: Interface GigabitEthernet 1/1, changed state to down .

3.2. Ports

3.2.1. State

Click on “Monitor>Ports>State”.

Port State Overview



3.2.2. Traffic Overview

Click on “Monitor>Ports>Traffic Overview”.

Port Statistics Overview

Port	Packets		Bytes		Errors		Drops		Filtered
	Received	Transmitted	Received	Transmitted	Received	Transmitted	Received	Transmitted	Received
1	2	0	6050	0	2	0	0	0	0
2	3	0	10396	0	3	0	0	0	0
3	0	0	0	0	0	0	0	0	0
4	17	0	38689	0	17	0	0	0	0
5	0	0	0	0	0	0	0	0	0
6	878083	12739	107325439	2230591	20	0	0	0	336840
7	0	0	0	0	0	0	0	0	0
8	2	0	2374	0	2	0	0	0	0
9	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0

3.2.3. QoS Statistics

Click on “Monitor>Ports>QoS Statistics”.

Queuing Counters

Port	Q0		Q1		Q2		Q3		Q4		Q5		Q6		Q7	
	Rx	Tx	Rx	Tx	Rx	Tx	Rx	Tx	Rx	Tx	Rx	Tx	Rx	Tx	Rx	Tx
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	878189	2888	0	0	0	0	0	0	0	0	0	0	0	0	0	9897
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

3.2.4. QCL Status

Click on “Monitor>Ports>QCL Status”.

QoS Control List Status

User	QCE	Port	Frame Type	Action					Conflict
				CoS	DPL	DSCP	PCP	DEI	
No entries									

3.2.5. Detailed Statistics

Click on “Monitor>Ports>Detailed Statistics”.

Detailed Port Statistics Port 1 Port 1 Auto-refresh Refresh Clear

Receive Total		Transmit Total	
Rx Packets	2	Tx Packets	0
Rx Octets	6050	Tx Octets	0
Rx Unicast	0	Tx Unicast	0
Rx Multicast	0	Tx Multicast	0
Rx Broadcast	0	Tx Broadcast	0
Rx Pause	0	Tx Pause	0
Receive Size Counters		Transmit Size Counters	
Rx 64 Bytes	0	Tx 64 Bytes	0
Rx 65-127 Bytes	0	Tx 65-127 Bytes	0
Rx 128-255 Bytes	0	Tx 128-255 Bytes	0
Rx 256-511 Bytes	0	Tx 256-511 Bytes	0
Rx 512-1023 Bytes	0	Tx 512-1023 Bytes	0
Rx 1024-1526 Bytes	0	Tx 1024-1526 Bytes	0
Rx 1527-Bytes	2	Tx 1527-Bytes	0
Receive Queue Counters		Transmit Queue Counters	
Rx Q0	0	Tx Q0	0
Rx Q1	0	Tx Q1	0
Rx Q2	0	Tx Q2	0
Rx Q3	0	Tx Q3	0
Rx Q4	0	Tx Q4	0
Rx Q5	0	Tx Q5	0
Rx Q6	0	Tx Q6	0
Rx Q7	0	Tx Q7	0
Receive Error Counters		Transmit Error Counters	
Rx Drops	0	Tx Drops	0
Rx CRC/Alignment	0	Tx Late/Exc. Coll.	0
Rx Undersize	0		
Rx Oversize	0		
Rx Fragments	0		
Rx Jabber	0		
Rx Filtered	0		

3.3. Link OAM

3.3.1. Statistics

Click on “Monitor>Link OAM>Statistics”.

Detailed Link OAM Statistics for Port 1 Port 1 Auto-refresh Refresh Clear

Receive Total		Transmit Total	
Rx OAM Information PDU's	0	Tx OAM Information PDU's	0
Rx Unique Error Event Notification	0	Tx Unique Error Event Notification	0
Rx Duplicate Error Event Notification	0	Tx Duplicate Error Event Notification	0
Rx Loopback Control	0	Tx Loopback Control	0
Rx Variable Request	0	Tx Variable Request	0
Rx Variable Response	0	Tx Variable Response	0
Rx Org Specific PDU's	0	Tx Org Specific PDU's	0
Rx Unsupported Codes	0	Tx Unsupported Codes	0
Rx Link Fault PDU's	0	Tx Link Fault PDU's	0
Rx Dying Gasp	0	Tx Dying Gasp	0
Rx Critical Event PDU's	0	Tx Critical Event PDU's	0

3.3.2. Port Status

Click on “Monitor>Link OAM>Ports Status”.

Detailed Link OAM Status for Port 1 Port 1 Auto-refresh Refresh Clear

PDU Permission	Receive only
Discovery State	Fault state
Peer MAC Address	-----

Local		Peer	
Mode	Passive	Mode	-----
Unidirectional Operation Support	Disabled	Unidirectional Operation Support	-----
Remote Loopback Support	Disabled	Remote Loopback Support	-----
Link Monitoring Support	Enabled	Link Monitoring Support	-----
MIB Retrieval Support	Disabled	MIB Retrieval Support	-----
MTU Size	1500	MTU Size	-----
Multiplexer State	Forwarding	Multiplexer State	-----
Parser State	Forwarding	Parser State	-----
Organizational Unique Identification	02-00-c1	Organizational Unique Identification	-----
PDU Revision	0	PDU Revision	-----

3.3.3. Event Status

Click on “Monitor>Link OAM>Event Status”.

Detailed Link OAM Link Status for Port 1 Port 1 | Auto-refresh | Refr

Local Frame Error Status		Remote Frame Error Status	
Sequence Number	0		
Frame Error Event Timestamp	0	Frame Error Event Timestamp	0
Frame error event window	0	Frame error event window	0
Frame error event threshold	0	Frame error event threshold	0
Frame errors	0	Frame errors	0
Total frame errors	0	Total frame errors	0
Total frame error events	0	Total frame error events	0
Local Frame Period Status		Remote Frame Period Status	
Frame Period Error Event Timestamp	0	Frame Period Error Event Timestamp	0
Frame Period Error Event Window	0	Frame Period Error Event Window	0
Frame Period Error Event Threshold	0	Frame Period Error Event Threshold	0
Frame Period Errors	0	Frame Period Errors	0
Total frame period errors	0	Total frame period errors	0
Total frame period error events	0	Total frame period error events	0
Local Symbol Period Status		Remote Symbol Period Status	
Symbol Period Error Event Timestamp	0	Symbol Period Error Event Timestamp	0
Symbol Period Error Event Window	0	Symbol Period Error Event Window	0
Symbol Period Error Event Threshold	0	Symbol Period Error Event Threshold	0
Symbol Period Errors	0	Symbol Period Errors	0
Total symbol period errors	0	Total symbol period errors	0
Total Symbol period error events	0	Total Symbol period error events	0
Local Event Seconds Summary Status		Remote Event Seconds Summary Status	
Error Frame Seconds Summary Event Timestamp	0	Error Frame Seconds Summary Event Timestamp	0
Error Frame Seconds Summary Event window	0	Error Frame Seconds Summary Event window	0
Error Frame Seconds Summary Event Threshold	0	Error Frame Seconds Summary Event Threshold	0
Error Frame Seconds Summary Errors	0	Error Frame Seconds Summary Errors	0
Total Error Frame Seconds Summary Errors	0	Total Error Frame Seconds Summary Errors	0
Total Error Frame Seconds Summary Events	0	Total Error Frame Seconds Summary Events	0

3.4. DHCPv4

3.4.1. Server

3.4.1.1. Statistics

Click on “Monitor>DHCP4>Server>Statistics”.

DHCP Server Statistics

Database Counters

Pool	Excluded IP Address	Declined IP Address
0	0	0

Binding Counters

Automatic Binding	Manual Binding	Expired Binding
0	0	0

DHCP Message Received Counters

DISCOVER	REQUEST	DECLINE	RELEASE	INFORM
0	0	0	0	0

DHCP Message Sent Counters

OFFER	ACK	NAK
0	0	0

3.4.1.2. Binding

Click on “Monitor>DHCP4>Server>Binding”.

DHCP Server Binding IP Auto-refresh | Refresh | Clear Selected | Clear Automatic | Clear Manual | Clear Expired

Binding IP Address

Delete	IP	Type	State	Pool Name	Server ID
--------	----	------	-------	-----------	-----------

3.4.1.3. Declined IP

Click on “Monitor>DHCP4>Server>Declined IP”.

DHCP Server Declined IP

Declined IP Address

Declined IP

3.4.2. Snooping Table

Click on “Monitor>DHCP4>Snooping Table”.

Dynamic DHCP Snooping Table

Start from MAC address , VLAN with entries per page.

MAC Address	VLAN ID	Source Port	IP Address	IP Subnet Mask	DHCP Server
No more entries					

3.4.3. Relay Statistics

Click on “Monitor>DHCP4>Relay Statistics”.

DHCP Relay Statistics

Server Statistics

Transmit to Server	Transmit Error	Receive from Server	Receive Missing Agent Option	Receive Missing Circuit ID	Receive Missing Remote ID	Receive Bad Circuit ID	Receive Bad Remote ID
0	0	0	0	0	0	0	0

Client Statistics

Transmit to Client	Transmit Error	Receive from Client	Receive Agent Option	Replace Agent Option	Keep Agent Option	Drop Agent Option
0	0	0	0	0	0	0

3.4.4. Detailed Statistics

Click on “Monitor>DHCP4>Detailed Statistics”.

DHCP Detailed Statistics Port 1

Receive Packets		Transmit Packets	
Rx Discover	0	Tx Discover	0
Rx Offer	0	Tx Offer	0
Rx Request	0	Tx Request	0
Rx Decline	0	Tx Decline	0
Rx ACK	0	Tx ACK	0
Rx NAK	0	Tx NAK	0
Rx Release	0	Tx Release	0
Rx Inform	0	Tx Inform	0
Rx Lease Query	0	Tx Lease Query	0
Rx Lease Unassigned	0	Tx Lease Unassigned	0
Rx Lease Unknown	0	Tx Lease Unknown	0
Rx Lease Active	0	Tx Lease Active	0
Rx Discarded Checksum Error	0		
Rx Discarded from Untrusted	0		

3.5. DHCPv6

3.5.1. Snooping Table

Click on “Monitor>DHCPv6>Snooping Table”.

DHCPv6 Snooping Table

This table display the currently known DHCPv6 clients and their assigned addresses.

Total entries: 0

Client DUID	MAC Address	Ingress Port	IAID	VLAN ID	Assigned Address	Lease Time	DHCP Server Address
-------------	-------------	--------------	------	---------	------------------	------------	---------------------

3.5.2. Snooping

Click on “Monitor>DHCPv6>Snooping”.

DHCPv6 Snooping Statistics

Receive Packets		Transmit Packets	
Rx Solicit	0	Tx Solicit	0
Rx Request	0	Tx Request	0
Rx InfoRequest	0	Tx InfoRequest	0
Rx Confirm	0	Tx Confirm	0
Rx Renew	0	Tx Renew	0
Rx Rebind	0	Tx Rebind	0
Rx Decline	0	Tx Decline	0
Rx Advertise	0	Tx Advertise	0
Rx Reply	0	Tx Reply	0
Rx Reconfigure	0	Tx Reconfigure	0
Rx Release	0	Tx Release	0
Rx DiscardUntrust	0		0

Selected port: GI 1/1 | Auto-refresh | Refresh | Clear

3.6. Security

3.6.1. Access Management Statistics

Click on “Monitor>Security>Access Management Statistics”.

Access Management Statistics

Interface	Received Packets	Allowed Packets	Discarded Packets
HTTP	0	0	0
HTTPS	0	0	0
SNMP	0	0	0
TELNET	0	0	0
SSH	0	0	0

3.6.2. Network

3.6.2.1. Port Security

3.6.2.1.1. Overview

Click on “Monitor>Security>Network>Port Security>Overview”.

Port Security Switch Status

User Module Legend

User Module Name	Abbr
Port Security (Admin)	P
802.1X	8
Voice VLAN	V

Port Status

Clear	Port	Users	Violation Mode	State	MAC Count		
					Current	Violating	Limit
Clear	1	---	Disabled	Disabled	-	-	-
Clear	2	---	Disabled	Disabled	-	-	-
Clear	3	---	Disabled	Disabled	-	-	-
Clear	4	---	Disabled	Disabled	-	-	-
Clear	5	---	Disabled	Disabled	-	-	-
Clear	6	---	Disabled	Disabled	-	-	-
Clear	7	---	Disabled	Disabled	-	-	-
Clear	8	---	Disabled	Disabled	-	-	-
Clear	9	---	Disabled	Disabled	-	-	-
Clear	10	---	Disabled	Disabled	-	-	-
Clear	11	---	Disabled	Disabled	-	-	-
Clear	12	---	Disabled	Disabled	-	-	-
Clear	13	---	Disabled	Disabled	-	-	-
Clear	14	---	Disabled	Disabled	-	-	-
Clear	15	---	Disabled	Disabled	-	-	-
Clear	16	---	Disabled	Disabled	-	-	-

3.6.2.1.2. Details

Click on “Monitor>Security>Network>Port Security>Details”.

Port Security Port Status Port 1

Clear	VLAN ID	MAC Address	State	Age/Hold
<i>No MAC addresses attached</i>				

3.6.2.2.NAS

3.6.2.2.1 Switch

Click on “Monitor>Security>Network>NAS>Switch”.

Network Access Server Switch Status

Port	Admin State	Port State	Last Source	Last ID	QoS Class	Port VLAN ID
1	Force Authorized	Globally Disabled			-	
2	Force Authorized	Globally Disabled			-	
3	Force Authorized	Globally Disabled			-	
4	Force Authorized	Globally Disabled			-	
5	Force Authorized	Globally Disabled			-	
6	Force Authorized	Globally Disabled			-	
7	Force Authorized	Globally Disabled			-	
8	Force Authorized	Globally Disabled			-	
9	Force Authorized	Globally Disabled			-	
10	Force Authorized	Globally Disabled			-	
11	Force Authorized	Globally Disabled			-	
12	Force Authorized	Globally Disabled			-	
13	Force Authorized	Globally Disabled			-	
14	Force Authorized	Globally Disabled			-	
15	Force Authorized	Globally Disabled			-	
16	Force Authorized	Globally Disabled			-	

3.6.2.2.2. Port

Click on “Monitor>Security>Network>NAS>Port”.

NAS Statistics Port 1

Port State

Admin State	Force Authorized
Port State	Globally Disabled

3.6.2.3. ACL Status

Click on “Monitor>Security>Network>ACL Status”.

ACL Status

User	ACE	Frame Type	Action	Rate Limiter	Mirror	CPU	Counter	Conflict
IP	1	IPv6 - NH:ICMPv6	Permit	Disabled	Disabled	Yes	1657	No
IP	2	IPv6 - NH:89	Permit	Disabled	Disabled	Yes	0	No
IP	3	IPv4 DIP:224.0.0.1/32	Permit	Disabled	Disabled	Yes	0	No

3.6.2.4. ARP Inspection

Click on “Monitor>Security>Network>ARP Inspection”.

Dynamic ARP Inspection Table

Start from , VLAN , MAC address and IP address with entries per page.

Port	VLAN ID	MAC Address	IP Address
No more entries			

3.6.2.5. IP Source Guard

Click on “Monitor>Security>Network>IP Source Guard”.

Dynamic IP Source Guard Table

Start from , VLAN and IP address with entries per page.

Port	VLAN ID	IP Address	MAC Address
No more entries			

3.6.2.6. IPv6 Source Guard

Click on “Monitor>Security>Network>IPv6 Source Guard”.

IPv6 Source Guard Dynamic Table

Port	VLAN ID	IPv6 Address	MAC Address
------	---------	--------------	-------------

3.6.3. AAA

3.6.3.1. RADIUS Overview

Click on “Monitor>Security>AAA>RADIUS Overview”.

RADIUS Server Status Overview

#	IP Address	Authentication Port	Authentication Status	Accounting Port	Accounting Status
1			Disabled		Disabled
2			Disabled		Disabled
3			Disabled		Disabled
4			Disabled		Disabled
5			Disabled		Disabled

3.6.3.2. RADIUS Details

Click on “Monitor>Security>AAA>RADIUS Details”.

RADIUS Authentication Statistics for Server #1

Receive Packets		Transmit Packets	
Access Accepts	0	Access Requests	0
Access Rejects	0	Access Retransmissions	0
Access Challenges	0	Pending Requests	0
Malformed Access Responses	0	Timeouts	0
Bad Authenticators	0		
Unknown Types	0		
Packets Dropped	0		
Other Info			
IP Address			
State		Disabled	
Round-Trip Time		0 ms	

RADIUS Accounting Statistics for Server #1

Receive Packets		Transmit Packets	
Responses	0	Requests	0
Malformed Responses	0	Retransmissions	0
Bad Authenticators	0	Pending Requests	0
Unknown Types	0	Timeouts	0
Packets Dropped	0		
Other Info			
IP Address			
State		Disabled	
Round-Trip Time		0 ms	

3.6.4. Switch

3.6.4.1. RMON

3.6.4.1.1 Statistics

Click on “Monitor>Security>Switch>RMON>Statistics”.

RMON Statistics Status Overview

Start from Control Index with entries per page.

ID	Data Source (ifindex)	Drop	Octets	Pkts	Broad-cast	Multi-cast	CRC Errors	Under-size	Over-size	Frag.	Jabb.	Coll.	64 Bytes	65 ~ 127	128 ~ 255	256 ~ 511	512 ~ 1023	1024 ~ 1588
No more entries																		

3.6.4.1.2. History

Click on “Monitor>Security>Switch>RMON>History”.

RMON History Overview

Start from Control Index and Sample Index with entries per page.

History Index	Sample Index	Sample Start	Drop	Octets	Pkts	Broad-cast	Multi-cast	CRC Errors	Under-size	Over-size	Frag.	Jabb.	Coll.	Utilization
No more entries														

3.6.4.1.3. Alarm

Click on “Monitor>Security>Switch>RMON>Alarm”.

RMON Alarm Overview

Start from Control Index with entries per page.

ID	Interval	Variable	Sample Type	Value	Startup Alarm	Rising Threshold	Rising Index	Falling Threshold	Falling Index
<i>No more entries</i>									

3.6.4.1.4 Event

Click on “Monitor>Security>Switch>RMON>Event”.

RMON Event Overview

Start from Control Index and Sample Index with entries per page.

Event Index	LogIndex	LogTime	LogDescription
<i>No more entries</i>			

3.7. Aggregation

3.7.1. Status

Click on “Monitor>Aggregation>Status”.

Aggregation Status

Aggr ID	Name	Type	Speed	Configured Ports	Aggregated Ports
<i>No aggregation groups</i>					

3.7.2. LACP

3.7.2.1. System Status

Click on “Monitor>Aggregation>LACP>system Status”.

LACP System Status

Local System ID

Priority	MAC Address
32768	02-00-c1-b9-15-19

Partner System Status

Aggr ID	Partner System ID	Partner Prio	Partner Key	Last Changed	Local Ports
<i>No ports enabled or no existing partners</i>					

3.7.2.2. Internal Status

Click on “Monitor>Aggregation>LACP>Internal Status”.

LACP Internal Port Status

Port	State	Key	Priority	Activity	Timeout	Aggregation	Synchronization	Collecting	Distributing	Defaulted	Expired
<i>No LACP ports enabled</i>											

3.7.2.3. Neighbor Status

Click on “Monitor>Aggregation>LACP>Neighbor Status”.

LACP Neighbor Port Status

Port	State	Aggr ID	Partner Key	Partner Port	Partner Port Prio	Activity	Timeout	Aggregation	Synchronization	Collecting	Distributing	Defaulted	Expired
<i>No LACP neighbor status available</i>													

3.7.2.4. Port Statistics

Click on “Monitor>Aggregation>LACP>Port Statistics”.

LACP Statistics

Port	LACP Received	LACP Transmitted	Discarded	
			Unknown	Illegal
<i>No ports enabled</i>				

3.8. Loop Protection

Click on “Monitor>Loop Protection”.

Loop Protection Status

Port	Action	Transmit	Loops	Status	Loop	Time of Last Loop
<i>No ports enabled</i>						

3.9. Spanning Tree

3.9.1. Bridge Status

Click on “Monitor>Spanning Tree>Bridge Status”.

STP Bridges

MSTI	Bridge ID	Root			Topology Flag	Topology Change Last
		ID	Port	Cost		
<u>CIST</u>	32768.02-00-C1-B9-15-19	32768.02-00-C1-B9-15-19	-	0	Steady	-

3.9.2. Port Status

Click on “Monitor>Spanning Tree>Port Status”.

STP Port Status

Port	CIST Role	CIST State	Uptime
1	Disabled	Discarding	-
2	Disabled	Discarding	-
3	Disabled	Discarding	-
4	DesignatedPort	Forwarding	0d 00:13:48
5	Disabled	Discarding	-
6	Disabled	Discarding	-
7	Disabled	Discarding	-
8	Disabled	Discarding	-
9	Disabled	Discarding	-
10	Disabled	Discarding	-
11	Disabled	Discarding	-
12	Disabled	Discarding	-
13	Disabled	Discarding	-
14	Disabled	Discarding	-
15	Disabled	Discarding	-
16	Disabled	Discarding	-

3.9.3. Port Statistics

Click on “Monitor>Spanning Tree>Port Statistics”.

STP Statistics

Port	Transmitted				Received				Discarded	
	MSTP	RSTP	STP	TCN	MSTP	RSTP	STP	TCN	Unknown	Illegal
4	418	0	0	0	0	0	0	0	0	0

3.10. MVR

3.10.1. Statistics

Click on “Monitor>MVR>Statistics”.

MVR Statistics

VLAN ID	IGMP/MLD Queries Received	IGMP/MLD Queries Transmitted	IGMPv1 Joins Received	IGMPv2/MLDv1 Reports Received	IGMPv3/MLDv2 Reports Received	IGMPv2/MLDv1 Leaves Received
<i>No more entries</i>						

3.10.2. MVR Channel Groups

Click on “Monitor>MVR>MVR Channel Groups”.

MVR Channels (Groups) Information

Start from VLAN and Group Address with entries per page.

		Port Members															
VLAN ID	Groups	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
No more entries																	

3.10.3. MVR SFM Information

Click on “Monitor>MVR>MVR SFM Information”.

MVR SFM Information

Start from VLAN and Group Address with entries per page.

VLAN ID	Group	Port	Mode	Source Address	Type	Hardware Filter/Switch
No more entries						

3.11. IPMC

3.11.1. IGMP Snooping

3.11.1.1. Status

Click on “Monitor>IPMC>IGMP Snooping>Status”.

IGMP Snooping Status

Statistics

VLAN ID	Querier Version	Host Version	Querier Status	Queries Transmitted	Queries Received	V1 Reports Received	V2 Reports Received	V3 Reports Received	V2 Leaves Received
No more entries									

Router Port

Port	Status
1	-
2	-
3	-
4	-
5	-
6	-
7	-
8	-
9	-
10	-
11	-
12	-
13	-
14	-
15	-
16	-

3.11.1.2. Groups Information

Click on “Monitor>IPMC>IGMP Snooping>Groups Information”.

IGMP Snooping Group Information

Start from VLAN and group address with entries per page.

		Port Members															
VLAN ID	Groups	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
No more entries																	

3.11.1.3. IPv4 SFM Information

Click on “Monitor>IPMC>IGMP Snooping>Ipv4 SFM Information”.

IGMP SFM Information

Start from VLAN and Group with entries per page.

VLAN ID	Group	Port	Mode	Source Address	Type	Hardware Filter/Switch
No more entries						

3.11.2. MLD Snooping

3.11.2.1. Status

Click on “Monitor>IPMC>MLD Snooping>Status”.

MLD Snooping Status

Statistics

VLAN ID	Querier Version	Host Version	Querier Status	Queries Transmitted	Queries Received	V1 Reports Received	V2 Reports Received	V1 Leaves Received
No more entries								

Router Port

Port	Status
1	-
2	-
3	-
4	-
5	-
6	-
7	-
8	-
9	-
10	-
11	-
12	-
13	-
14	-
15	-
16	-

3.11.2.2. Groups Information

Click on “Monitor>IPMC>MLD Snooping>Groups Information”.

MLD Snooping Group Information

Start from VLAN and group address with entries per page.

		Port Members															
VLAN ID	Groups	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
No more entries																	

3.11.2.3. Ipv6 SFM Information

Click on “Monitor>IPMC>MLD Snooping>Ipv6 SFM Information”.

MLD SFM Information

Start from VLAN and Group with entries per page.

VLAN ID	Group	Port	Mode	Source Address	Type	Hardware Filter/Switch
No more entries						

3.12. LLDP

3.12.1. Neighbors

Click on “Monitor>LLDP>Neighbors”.

LLDP Neighbor Information

LLDP Remote Device Summary						
Local Interface	Chassis ID	Port ID	Port Description	System Name	System Capabilities	Management Address
GigabitEthernet 1/4	20-77-59-88-88-88	6	GigabitEthernet 1/6	Switch	Bridge(+)	192.168.8.188 (IPv4) - if-index:0

3.12.2. LLDP-MED Neighbors

Click on “Monitor>LLDP>LLDP-MED Neighbors”.

LLDP-MED Neighbor Information

Local Interface
No LLDP-MED neighbor information found

3.12.3. PoE

Click on “Monitor>LLDP>PoE”.

LLDP Neighbor Power Over Ethernet Information

Local Interface	Power Type	Power Source	Power Priority	Maximum Power
GigabitEthernet 1/4	PSE Device	Primary Power Supply	Low	0 [W]

3.12.4. EEE

Click on “Monitor>LLDP>EEE”.

LLDP Neighbors EEE Information

Local Interface	Tx Tw	Rx Tw	Fallback Receive Tw	Echo Tx Tw	Echo Rx Tw	Resolved Tx Tw	Resolved Rx Tw	EEE in Sync
GigabitEthernet 1/4								EEE not enabled for this interface

3.12.5. Port Statistics

Click on “Monitor>LLDP>Port Statistics”.

LLDP Global Counters

Global Counters	
Clear global counters	<input checked="" type="checkbox"/>
Neighbor entries were last changed	1970-01-01T00:01:03+00:00 (1180 secs. ago)
Total Neighbors Entries Added	1
Total Neighbors Entries Deleted	0
Total Neighbors Entries Dropped	0
Total Neighbors Entries Aged Out	0

LLDP Statistics Local Counters

Local Interface	Tx Frames	Rx Frames	Rx Errors	Frames Discarded	TLVs Discarded	TLVs Unrecognized	Org. Discarded	Age-Outs	Clear
GigabitEthernet 1/1	0	0	0	0	0	0	0	0	<input checked="" type="checkbox"/>
GigabitEthernet 1/2	0	0	0	0	0	0	0	0	<input checked="" type="checkbox"/>
GigabitEthernet 1/3	0	0	0	0	0	0	0	0	<input checked="" type="checkbox"/>
GigabitEthernet 1/4	40	40	0	0	0	0	0	0	<input checked="" type="checkbox"/>
GigabitEthernet 1/5	0	0	0	0	0	0	0	0	<input checked="" type="checkbox"/>
GigabitEthernet 1/6	0	0	0	0	0	0	0	0	<input checked="" type="checkbox"/>
GigabitEthernet 1/7	0	0	0	0	0	0	0	0	<input checked="" type="checkbox"/>
GigabitEthernet 1/8	0	0	0	0	0	0	0	0	<input checked="" type="checkbox"/>
GigabitEthernet 1/9	0	0	0	0	0	0	0	0	<input checked="" type="checkbox"/>
GigabitEthernet 1/10	0	0	0	0	0	0	0	0	<input checked="" type="checkbox"/>
GigabitEthernet 1/11	0	0	0	0	0	0	0	0	<input checked="" type="checkbox"/>
GigabitEthernet 1/12	0	0	0	0	0	0	0	0	<input checked="" type="checkbox"/>
10GigabitEthernet 1/1	0	0	0	0	0	0	0	0	<input checked="" type="checkbox"/>
10GigabitEthernet 1/2	0	0	0	0	0	0	0	0	<input checked="" type="checkbox"/>
10GigabitEthernet 1/3	0	0	0	0	0	0	0	0	<input checked="" type="checkbox"/>
10GigabitEthernet 1/4	0	0	0	0	0	0	0	0	<input checked="" type="checkbox"/>

3.13. Ethernet Services

3.13.1. EVC Statistics

Click on “Monitor>Ethernet Services>EVC Statistics”.

EVC Statistics

Clear	Port	Green Frames		Yellow Frames		Red Frames		Discarded Frames	
		Rx	Tx	Rx	Tx	Rx	Rx	Tx	
0	0	0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0

3.14. Performance Monitor

3.14.1. LM Statistics

Click on “Monitor>Performance Monitor>LM Statistics”.

Performance Monitor Loss Measurement Statistics

Measurement Interval ID , MEP Instance MEP Detailed Info.

Measurement Interval ID	MEP Instance	Residence Port	Priority	Rate	Peers	TX	RX	Near End Loss		Far End Loss	
								Count	Ratio	Count	Ratio
No more entries - wrong interval ID: 1											

3.14.2. DM Statistics

Click on “Monitor>Performance Monitor>DM Statistics”.

Performance Monitor Delay Measurement Statistics

Measurement Interval ID , MEP Instance One-way Two-way Both MEP Detailed Info.

Measurement Interval ID	MEP Instance	Residence Port	Priority	Interval (in 10ms)	Unit	TX	RX	Two-way Delay				Bin
								Average	Average Delay Variation	Min.	Max.	
No more entries - wrong interval ID: 1												

3.14.3. EVC Statistics

Click on “Monitor>Performance Monitor>EVC Statistics”.

Performance Monitor EVC Statistics

Measurement Interval ID , EVC Instance Frames Bytes Both

Measurement Interval ID	EVC Instance	Port	Cos	Green Frames		Yellow Frames		Red Frames	Discarded Frames	
				Rx	Tx	Rx	Tx	Rx	Rx	Tx
No more entries - wrong interval ID: 1										

3.14.4. Interval Information

Click on “Monitor>Performance Monitor>Interval Information”.

Performance Monitor Measurement Interval Information

Information Type , Measurement Interval ID with entries per page.

Information Type	Measurement Interval ID	Interval Start Time	Interval End Time	Elapsed Time
No more entries				

3.15. PoE

Click on “Monitor>PoE”.

Power Over Ethernet Status

Local Port	PD class	Power Requested	Power Allocated	Power Used	Current Used	Priority	Port Status
1	-	0 [W]	0 [W]	0 [W]	0 [mA]	Low	No PD detected
2	-	0 [W]	0 [W]	0 [W]	0 [mA]	Low	No PD detected
3	-	0 [W]	0 [W]	0 [W]	0 [mA]	Low	No PD detected
4	-	0 [W]	0 [W]	0 [W]	0 [mA]	Low	No PD detected
5	-	0 [W]	0 [W]	0 [W]	0 [mA]	Low	No PD detected
6	-	0 [W]	0 [W]	0 [W]	0 [mA]	Low	No PD detected
7	-	0 [W]	0 [W]	0 [W]	0 [mA]	Low	No PD detected
8	-	0 [W]	0 [W]	0 [W]	0 [mA]	Low	No PD detected
Total		0 [W]	0 [W]	0 [W]	0 [mA]		

3.16. MAC Table

Click on “Monitor>MAC Table”.

MAC Address Table

Start from VLAN and MAC address with entries per page.

Type	VLAN	MAC Address	Port Members																
			CPU	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Dynamic	1	00-0C-29-6A-7C-32					✓												
Dynamic	1	00-0C-29-C9-25-3D					✓												
Dynamic	1	00-50-56-89-5C-6E					✓												
Dynamic	1	02-0A-C6-DA-32-85					✓												
Dynamic	1	04-D9-F5-03-A6-F4					✓												
Dynamic	1	08-97-98-69-9C-5A					✓												
Dynamic	1	10-90-27-E7-89-27					✓												
Dynamic	1	12-16-DE-F3-4F-D1					✓												
Dynamic	1	12-20-22-E1-55-E8					✓												
Dynamic	1	1C-69-7A-4A-1B-6A					✓												
Dynamic	1	20-77-59-04-AE-F0					✓												
Dynamic	1	20-77-59-88-88-8E					✓												
Dynamic	1	20-F4-78-2E-A4-08					✓												
Dynamic	1	22-3F-30-B4-E8-FC					✓												
Dynamic	1	22-45-AA-69-00-34					✓												
Dynamic	1	2C-4D-54-67-4C-1D					✓												
Dynamic	1	2C-59-E5-D4-56-7A					✓												
Dynamic	1	30-9C-23-C3-9F-84					✓												
Dynamic	1	30-9C-23-F7-70-C8					✓												
Static	1	33-33-00-00-00-01	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

3.17. VLANs

3.17.1. Membership

Click on “Monitor>VLANs>Membership”.

VLAN Membership Status for Combined users

Start from VLAN with entries per page.

		Port Members															
VLAN ID		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

3.17.2. Ports

Click on “Monitor>VLANs>Ports”.

VLAN Port Status for Combined users

Port	Port Type	Ingress Filtering	Frame Type	Port VLAN ID	Tx Tag	Untagged VLAN ID	Conflicts
1	C-Port	✓	All	1	Untag All		No
2	C-Port	✓	All	1	Untag All		No
3	C-Port	✓	All	1	Untag All		No
4	C-Port	✓	All	1	Untag All		No
5	C-Port	✓	All	1	Untag All		No
6	C-Port	✓	All	1	Untag All		No
7	C-Port	✓	All	1	Untag All		No
8	C-Port	✓	All	1	Untag All		No
9	C-Port	✓	All	1	Untag All		No
10	C-Port	✓	All	1	Untag All		No
11	C-Port	✓	All	1	Untag All		No
12	C-Port	✓	All	1	Untag All		No
13	C-Port	✓	All	1	Untag All		No
14	C-Port	✓	All	1	Untag All		No
15	C-Port	✓	All	1	Untag All		No
16	C-Port	✓	All	1	Untag All		No

3.18. MVRP

Click on “Monitor>MVRP”.

MVRP Statistics

Port	Failed Registrations	Last PDU Origin
1	0	00-00-00-00-00-00
2	0	00-00-00-00-00-00
3	0	00-00-00-00-00-00
4	0	00-00-00-00-00-00
5	0	00-00-00-00-00-00
6	0	00-00-00-00-00-00
7	0	00-00-00-00-00-00
8	0	00-00-00-00-00-00
9	0	00-00-00-00-00-00
10	0	00-00-00-00-00-00
11	0	00-00-00-00-00-00
12	0	00-00-00-00-00-00
13	0	00-00-00-00-00-00
14	0	00-00-00-00-00-00
15	0	00-00-00-00-00-00
16	0	00-00-00-00-00-00

3.19. SFlow

Click on “Monitor>SFlow”.

sFlow Statistics

Receiver Statistics

Owner	<none>
IP Address/Hostname	0.0.0.0
Timeout	0
Tx Successes	0
Tx Errors	0
Flow Samples	0
Counter Samples	0

Port Statistics

Port	Flow Samples	Counter Samples
1	0	0
2	0	0
3	0	0
4	0	0
5	0	0
6	0	0
7	0	0
8	0	0
9	0	0
10	0	0
11	0	0
12	0	0
13	0	0
14	0	0
15	0	0
16	0	0

3.20. DDMI

3.20.1. Overview

Click on “Monitor>DDMI>Overview”.

DDMI Overview

Port	Vendor	Part Number	Serial Number	Revision	Data Code	Transceiver
13	-	-	-	-	-	-
14	-	-	-	-	-	-
15	-	-	-	-	-	-
16	-	-	-	-	-	-

3.20.2. Detailed

Click on “Monitor>DDMI>Detailed”.

Transceiver Information

Vendor	-
Part Number	-
Serial Number	-
Revision	-
Data Code	-
Transceiver	-

DDMI Information

++ : high alarm, + : high warning, - : low warning, -- : low alarm.
Tx: transmit, Rx: receive, mA: milliamperes, mW: milliwatts.

Type	Current	High Alarm Threshold	High Warn Threshold	Low Warn Threshold	Low Alarm Threshold
Temperature(C)	-	-	-	-	-
Voltage(V)	-	-	-	-	-
Tx Bias(mA)	-	-	-	-	-
Tx Power(mW)	-	-	-	-	-
Rx Power(mW)	-	-	-	-	-

3.21. UDLD

Click on “Monitor>UDLD”.

Detailed UDLD Status for Port 1

UDLD status	
UDLD Admin state	Disable
Device ID(local)	02-00-C1-B9-15-19
Device Name(local)	-
Bidirectional State	Indeterminant

Neighbour Status

Port	Device Id	Link Status	Device Name
<i>No Neighbour ports enabled or no existing partners</i>			

3.22. OSPF

3.22.1. Status

Click on “Monitor>OSPF>Status”.

OSPF Global Status

OSPF is disabled

3.22.2. Area

Click on “Monitor>OSPF>Area”.

OSPF Area Status Auto-refresh Refresh

Area ID	Backbone	Area Type	NSSA translator State	Active Interfaces	Auth. Type	SPF Executed Times	LSA Count	Router LSA Count	Router LSA Checksum	Network LSA Count	Network LSA Checksum	Summary LSA Count	Summary LSA Checksum	ASBR Summary LSA Count	ASBR Summary LSA Checksum	NSSA LSA Count	NSSA LSA Checksum
No entry exists																	

3.22.3. Neighbor

Click on “Monitor>OSPF>Neighbor”.

OSPF Neighbor Status

Neighbor ID	Priority	State	Dead Time	Interface Address	Interface
No entry exists					

3.22.4. Interface

Click on“Monitor>OSPF>Interface”.

OSPF Interface Status

Interface	Interface Address	Area ID	Router ID	State	DR		BDR		Pri	Cost	Interval Configuration(sec)				Hello Timer	Nbr Count	Adjacent Nbr Count	Passive	Transmit Delay
					ID	Address	ID	Address			Hello	Dead	Wait	Retransmit					
No entry exists																			

3.22.5. Routing

Click on“Monitor>OSPF>Routing”.

OSPF Routing Status

Start from Route Type Destination / Area NextHop with entries per page.

0 - 0 of 0 entry Auto-refresh Refresh

Codes: I - Intra-area Router Path, I - Inter-area Router Path

Route Type	Destination	Area	NextHop	Cost	AS Cost	Border Router Type	Interface	IsConnected
No entry exists								

Chapter 4. Diagnostics

4.1. Ping (IPv4)

Click on“Diagnostics>Ping (IPv4)”.

Ping (IPv4)

Fill in the parameters as needed and press "Start" to initiate the Ping session.

Hostname or IP Address	<input type="text"/>	
Payload Size	<input type="text" value="56"/>	bytes
Payload Data Pattern	<input type="text" value="0"/>	(single byte value; integer or hex with prefix '0x')
Packet Count	<input type="text" value="5"/>	packets
TTL Value	<input type="text" value="64"/>	
VID for Source Interface	<input type="text"/>	
Source Port Number	<input type="text"/>	
IP Address for Source Interface	<input type="text"/>	
Quiet (only print result)	<input type="checkbox"/>	

4.2. Ping (IPv6)

Click on “Diagnostics>Ping (IPv6)”.

Ping (IPv6)

Fill in the parameters as needed and press "Start" to initiate the Ping session.

Hostname or IP Address	<input type="text"/>	
Payload Size	56	bytes
Payload Data Pattern	0	(single byte value; integer or hex with prefix '0x')
Packet Count	5	packets
VID for Source Interface	<input type="text"/>	
Source Port Number	<input type="text"/>	
IP Address for Source Interface	<input type="text"/>	
Quiet (only print result)	<input type="checkbox"/>	

4.3. Traceroute (IPv4)

Click on “Diagnostics>Traceroute (IPv4)”.

Traceroute (IPv4)

Fill in the parameters as needed and press "Start" to initiate the Traceroute session.

Hostname or IP Address	<input type="text"/>	
DSCP Value	0	
Number of Probes Per Hop	3	packets
Response Timeout	3	seconds
First TTL Value	1	
Max TTL Value	30	
VID for Source Interface	<input type="text"/>	
IP Address for Source Interface	<input type="text"/>	
Use ICMP instead of UDP	<input type="checkbox"/>	
Print Numeric Addresses	<input type="checkbox"/>	

4.4. Traceroute (IPv6)

Click on “Diagnostics>Traceroute (IPv6)”.

Traceroute (IPv6)

Fill in the parameters as needed and press "Start" to initiate the Traceroute session.

Hostname or IP Address	<input type="text"/>	
DSCP Value	<input type="text" value="0"/>	
Number of Probes Per Hop	<input type="text" value="3"/>	packets
Response Timeout	<input type="text" value="3"/>	seconds
Max TTL Value	<input type="text" value="30"/>	
VID for Source Interface	<input type="text"/>	
IP Address for Source Interface	<input type="text"/>	
Print Numeric Addresses	<input type="checkbox"/>	

4.5. Link OAM

4.5.1. MIB Retrieval

Click on “Diagnostics>Link OAM>MIB Retrieval”.

Link OAM MIB Retrieval

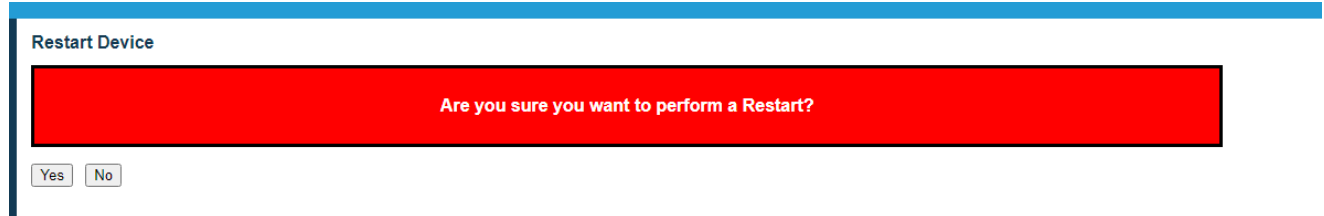
Local
Peer

Port 1

Chapter 5. Maintenance

5.1. Restart Device

Click on“Maintenance>Restart Device”.



5.2. Factory Defaults

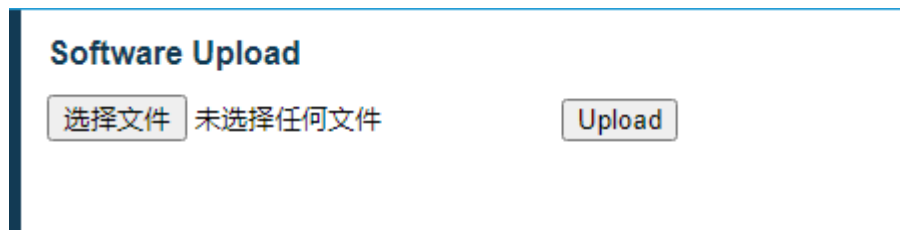
Click on“Maintenance>Factory Defaults”.



5.3. Software

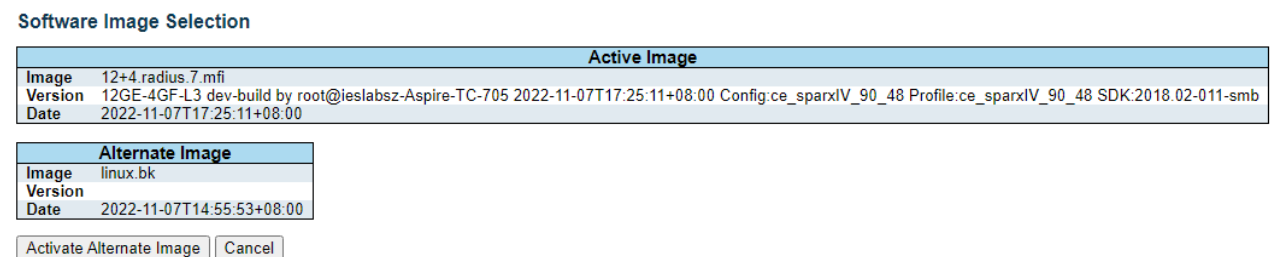
5.3.1. Upload

Click on“Maintenance>Software>Upload”.



5.3.2. Image Select

Click on“Maintenance>Software>Image Select”.



5.4. Configuration

5.4.1. Save startup-config

Click on “Maintenance>Configuration>Save startup-config”.

Save Running Configuration to startup-config

Please note: The generation of the configuration file may be time consuming, depending on the amount of non-default configuration.

Save Configuration

5.4.2. Download

Click on “Maintenance>Configuration>Download”.

Download Configuration

Select configuration file to save.

Please note: running-config may take a while to prepare for download.

File Name
<input type="radio"/> running-config
<input type="radio"/> default-config
<input type="radio"/> startup-config

Download Configuration

5.4.3. Upload

Click on “Maintenance>Configuration>Upload”.

Upload Configuration

File To Upload

选择文件 未选择任何文件

Destination File

File Name	Parameters
<input type="radio"/> running-config	<input checked="" type="radio"/> Replace <input type="radio"/> Merge
<input type="radio"/> startup-config	
<input type="radio"/> Create new file	<input type="text"/>

Upload Configuration

5.4.4. Activate

Click on “Maintenance>Configuration>Activate”.

Activate Configuration

Select configuration file to activate. The previous configuration will be completely replaced, potentially leading to loss of management connectivity.

Please note: The activated configuration file will not be saved to startup-config automatically.

File Name
<input type="radio"/> default-config
<input checked="" type="radio"/> startup-config

Activate Configuration

5.4.5. Delete

Click on “Maintenance>Configuration>Delete”.

Delete Configuration File

Select configuration file to delete.

File Name
<input checked="" type="radio"/> startup-config

Delete Configuration File

Appendix 1.

FAQ

Why is the page displayed abnormally when browsing the con diagram through the WEB?

Answer: Before accessing the WEB, please clear the cache and cookies of IE.

Otherwise, the web page may not be displayed normally.

2. What should I do if I forget the login password?

Answer: If you forget the login password, you can initialize the password by restoring the factory settings, and press and hold the button for 10 seconds to initialize the password. Initial username "admin" and password "system".

3. Is the con diagram through the WEB browser equivalent to the con diagram through the CLI command line?

Answer: The con diagrams of the two are the same and do not conflict.

4. Why can't the bandwidth be increased after the Trunking function is completed in the con diagram?

Answer: Check whether the port properties of the port set as Trunking are consistent, including speed, duplex mode, VLAN and other properties.

5. How to solve the problem that some ports of the switch are unreachable?

Answer: When some ports on the switch are unreachable, it may be that the network cable is faulty, the network card is faulty, or the switch port is faulty, and the following tests can be passed.

Locating faults:

1. The connected computer and switch ports remain unchanged, and other network cables are replaced;
2. The connected network cable and switch port remain unchanged, and other computers are replaced;
3. The connected network cable and computer remain unchanged, and other switch ports are replaced;
4. If it is confirmed that the switch port is faulty, please contact the factory for repair;

6. What is the sequence of port adaptive state detection?

Answer: The port detects the status in the following order: 1000Mbps full duplex, 100Mbps full duplex, 100Mbps half duplex, 10Mbps full duplex, 10Mbps half duplex, detect in sequence from high to low, and automatically The highest speed connection supported.