24-PORT POE+ WEB-MANAGED GIGABIT ETHERNET SWITCH WITH 2 SFP PORTS USER MANUAL

MODEL 560559





INT-560559-UM-0116-1

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2 PRODUCT INTRODUCTION

Congratulations on your purchase of the 24-Port PoE+ Web-Managed PoE+ Gigabit Ethernet Switch. Before you install and use this product, read this manual carefully for a full understanding of its functions.

2.1 PRODUCT OVERVIEW

The Web-Managed Gigabit Ethernet Switch provides a seamless network connection. It integrates 1000 Mbps Gigabit Ethernet, 100Mbps Fast Ethernet and 10Mbps Ethernet network capabilities in a highly flexible package. With 24 10/100/1000 Mbps Auto-Negotiation RJ45 ports, all ports support Auto MDI/MDIX function. The switch is a low-cost, easy-to-use, high-performance upgrade from your old network to a 1000 Mbps Gigabit network, essential in helping solve network bottlenecks that frequently develop as more advanced computer users and newer applications continue to demand greater network resources. For efficient management, the switch is equipped with a remote Web interface. The switch can be programmed for advanced switch management functions, such as Port Management, Link Aggregation, VLAN, Spanning Tree, Multicast, QoS, Security, Access Control, MAC Address Table, LLDP, Diagnostics, RMON and Maintenance. Its PoE ports can automatically detect and supply power to IEEE802.3at compliant Powered Devices (PD), such as Wireless Access Points, network cameras or Voice over IP phones.

2.2 FEATURES

- Provides power and data connection for up to 24 PoE network devices
- Save installation cost by delivering data and power over existing network cables
- IEEE 802.3at/af-compliant RJ45 PoE/PoE+ output ports
- PoE power budget of 240 watts
- Power output up to 30 watts per port
- Supports IEEE 802.3at and IEEE 802.3af-compliant PoE devices (wireless access points, VoIP phones, IP cameras)
- Supports IEEE 802.3at/af detection and short circuit, overload and high-voltage protection
- Supports SNMP management
- Two small form-factor pluggable GBIC module slots (SFP)
- Supports VLAN (tag-based and port-based)
- Provides IEEE 802.1x port-based security
- Supports link aggregation (trunking)
- Supports port mirroring
- Supports jumbo frames up to 9 kBytes

- Supports Rapid Spanning Tree/Spanning Tree protocol
- Broadcast storm control with multicast packet rate settings
- Supports two types of QoS: port-based and DSCP
- LEDs for power, link/activity and PoE
- Includes 19" rackmount brackets

2.3 Specifications

Standards

- IEEE 802.1d (Spanning Tree Protocol)
- IEEE 802.1p (Traffic Prioritization)
- IEEE 802.1q (VLAN Tagging)
- IEEE 802.1w (Rapid Spanning Tree Protocol)
- IEEE 802.3 (10Base-T Ethernet)
- IEEE 802.3ab (Twisted Pair Gigabit Ethernet)
- IEEE 802.3ad (Link Aggregation Control Protocol LACP)
- IEEE 802.3af (Power over Ethernet 802.3at Type 1)
- IEEE 802.3at (Power over Ethernet 802.3at Type 2)
- IEEE 802.3u (100Base-TX Fast Ethernet)
- IEEE 802.3x (flow control, for full duplex mode)

Power

- Input: 90 260 V AC, 50 60 Hz
- Power consumption: 260 watts (maximum)

Environmental

- Metal housing
- Dimensions: 440 (W) x 220 (L) x 44 (H) mm (17.3 x 8.7 x 1.7 in.)
- Weight: 3.1 kg (6.8 lbs.)
- Operating temperature: 0 45°C (32 113°F)
- Operating humidity: 10 90% RH, non-condensing
- Storage temperature: -20 − 90°C (-4 − 194°F)

Package Contents

- 24-Port Gigabit Ethernet PoE+ Web-Managed Switch with 2 SFP Ports
- Power cable
- User manual

2.4 EXTERNAL COMPONENT DESCRIPTION

2.4.1 Front Panel

The front panel of the Switch consists of $24 \times 10/100/1000$ Mbps RJ-45 ports, $2 \times SFP$ ports, $1 \times Console$ port, $1 \times Reset$ button and a series of LED indicators as shown as below.



10/100/1000 Mbps RJ-45 ports (1~24):

Designed to connect to the device with a bandwidth of 10Mbps, 100Mbps or 1000 Mbps. Each has a corresponding 10/100/1000 Mbps LED.

SFP ports (SFP1, SFP2):

Designed to install the SFP module and connect to the device with a bandwidth of 1000 Mbps. Each has a corresponding 1000 Mbps LED.

Console port (Console):

Designed to connect with the serial port of a computer or terminal for monitoring and configuring the Switch.

Reset button (Reset):

To restore the system factory default settings, press the reset button for 5 seconds while the device is powered on.

LED indicators:

The LED Indicators will allow you to monitor, diagnose and troubleshoot any potential problem with the Switch, connection or attached devices.



The following chart shows the LED indicators of the Switch along with explanation of each indicator.

LED	COLOR	STATUS	STATUS DESCRIPTION
Power	Red	On	Power On
1 0 0 0 1		Off	Power Off
	10/100	On	A device is connected to the port
LINK/ACT/S peed	Amber	Off	No device is connected to the port
(1~24)	1000 Mbps:		
	Green	Flashing	Sending or receiving data
		On	A device is connected to the port
SEP2	Green	Off	No device is connected to the port
		Flashing	Sending or receiving data
		On	An IEEE 802.3af/at compliant powered device (PD) is connected to the port, and the PoE Switch supplies power successfully.
POE	Orange	Off	No powered device is connected to the port.
		Flashing	There may be a short circuit or PoE power overload. Disconnect the device from this port immediately.

2.4.2 Rear Panel



AC Power Connector:

Power is supplied through an external AC power adapter. It supports AC 100-240V, 50/60Hz.

Grounding Terminal:

Ground the switch through the PE cable on the AC cord or with a separate ground wire.

2.5 PACKAGE CONTENTS

Before installing the switch, make sure that the following items are enclosed. If any part is missing or damaged, contact your local agent immediately.

- 24-Port Gigabit Ethernet PoE+ Web-Managed Switch with 2 SFP Ports
- Power cable
- Quick Installation Guide
- User manual (on CD)
- Four rubber feet, two mounting ears and eights screws

3 INSTALLING AND CONNECTING THE SWITCH

This part describes how to install your Web-Managed Gigabit Ethernet PoE+ Switch and make connections to it.

3.1 INSTALLATION

The following steps will help prevent damage to the device while also helping to maintain proper security.

- Place the switch on a stable surface or desktop to minimize the chances of falling.
- Make sure the switch works in the proper AC input range and matches the voltage labeled on the switch.
- To keep the switch free from lightning damage, do not open the switch's chassis even if it fails to receive power.
- Make sure that there is proper heat dissipation from and adequate ventilation around the switch.
- Make sure the surface the switch is placed on can support the weight of the switch and its accessories.

3.1.1 Desktop Installation

When installing the switch on a desktop (if not in a rack), attach the enclosed rubber feet to the bottom corners of the switch to minimize vibration. Allow adequate space for ventilation between the device and the objects around it.



Figure 4 - Desktop Installation

3.1.2 Rack-mountable Installation in 19-inch Cabinet

The switch can be mounted in an EIA standard-sized, 19-inch rack, which can be placed in a wiring closet with other equipment. To install the switch, follow these steps:

a. Attach the mounting brackets on the switch's side panels (one on each side) and secure them with the screws provided.



Figure 5 - Bracket Installation

b. Use the screws provided with the equipment rack to mount the switch on the rack and tighten it.



Figure 6 - Rack Installation

3.1.3 Power on the Switch

The switch is powered on by connecting it to an outlet using the AC 100-240V 50/60Hz internal high-performance power supply.

AC Electrical Outlet:

It is recommended to use a single-phase, three-wire receptacle with a neutral outlet or multifunctional computer professional receptacle. Be sure to connect the metal ground connector to the grounding source on the outlet.

AC Power Cord Connection:

Connect the AC power connector on the back panel of the switch to an external receptacle with the included power cord, then check that the power indicator is ON. When it is ON, it indicates the power connection is okay.

4 CONNECTION TO THE SWITCH

4.1 CONNECTING COMPUTER

Use standard Cat5/5e Ethernet cable (UTP/STP) to connect the switch to end nodes as described below. Switch ports will automatically adjust to the characteristics (MDI/MDI-X, speed, duplex) of the device to which they are connected.





The LNK/ACT/Speed LEDs for each port light when the link is available.

4.2 How to Login to the Switch

As the switch provides Web-based management login, you can configure your computer's IP address manually to log on to the switch. The default settings of the switch are shown below.

Parameter	Default Value
Default IP address	192.168.2.1
Default Username	admin
Default Password	admin

You can log on to the configuration window of the switch through following steps:

- 1. Connect the switch with the computer NIC interface.
- 2. Power on the switch.
- 3. Check whether the IP address of the computer is within this network segment: 192.168.2.xxx ("xxx" range is 2-254); for example, 192.168.2.100.

4. Open the browser, and go to the URL <u>http://192.168.2.1</u>. The switch login window appears, as shown below.



5. Enter the Username and Password (the factory default Username is **admin** and Password is **admin**), and then click "LOGIN" to log in to the switch configuration window as below.

24-Port Gigabit I Switch with 2SFI	Etherne P Ports	t POE+Web-Managed	алими , 2 4 6 8 10 12 14 16 18 20 22 24 SFP2 залими , Селетори странатор странатор 3 захими , Селетори странатор странатор 3 1 3 5 7 9 11 13 15 17 19 21 23 SFP1
Status Network	•	System Information	
Switching	-		
MAC Address Table	-	- System Information	
Security	-		
ACL	-	Information Name	Information Value
QuiS	-	System Name	Edit Switch
lanagement	-	System Location	Edit Default Location
Diagnostics		Rustom Contact	Edit Default Contact
laintenance	-	system contact	
		TD Address	102.168.2.1
		Subnot Mack	255 255 255 0
		Gateway	102 168 2 254
		Loader Version	2011.12.41822
		Loader Date	Mar 18 2014 - 11:20:25
		Firmware Version	V182M_1.26.X_26P_D150303-INTELLINET
		Firmware Date	Tue Mar 3 10:19:22 CST 2015
		System Object ID	1.3.6.1.4.1.27282.3.2.10
		System Up Time	0 days, 0 hours, 0 mins, 41 secs

5 SWITCH CONFIGURATION

The PoE+ Web-Managed Gigabit Ethernet Switch software provides rich Layer 2 functionality for switches in your networks. This chapter describes how to use the Web-based management interface (Web UI) for this switch.



In the Web UI, the left column shows the configuration menu. The top row shows the switch's current link status. Green squares indicate the port link is up (port 17 in the example above), while black squares indicate the port link is down. Below the switch panel, you can find a common toolbar to provide useful functions for users. The rest of the screen area displays the configuration settings.

5.1 STATUS

5.1.1 System Information

This page allows you to configure System-related information and browse information such as MAC address, IP address, firmware version, loader version, among others.

s -	System Informatio	n
tem Information		
t I		
k Aggregation	 System Information 	
DP Statistics		
MP Snooping Statistics	Information Name	Information Value
work 🔻	System Name	Edit Switch
tching 👻	System Location	Edit Default Location
C Address Table 🛛 👻	System Contact	Edit Default Contact
curity 👻	MAC Address	DE:AD:BE:EF:01:02
L 👻	IP Address	192.168.2.1
s 👻	Subnet Mask	255.255.255.0
nagement 👻	Gateway	192.168.2.254
ignostics 👻	Loader Version	2011.12.41872
intenance 🗢	Loader Date	Mar 18 2014 - 11:20:25
	Firmware Version	V182M_1.26.X_26P_D150303-INTELLINET
	Firmware Date	Tue Mar 3 10:19:22 CST 2015
	System Object ID	1.3.6.1.4.1.27282.3.2.10
	System Up Time	0 days, 6 hours, 47 mins, 13 secs

System Name: System name of the switch. This name will also use as CLI prefix of each line. ("Switch>" or "Switch#").

System Location: System location of the switch, e.g., "ServerRoom".

System Contact: System contact of the switch, e.g., the system administrator.

5.1.2 Logging Message

The Intellinet 24-Port Gigabit Ethernet PoE+ Web-Managed Switch is equipped with an extensive logging function. You can define the type of events you wish the switch to log, the level of detail and the target destination for the log.

IS 	Logging F	ilter Select			
to an Information	Target	Sever	ity	С	Category
iging Message	buffered -	Select Levels	•	Select Cate	egories 👻
t Þ					
< Aggregation	View				
P Statistics					
1P Snooping Statistics	- Logging	Information			
vork 👻	2099119				
ching 🗢	Inform	ation Name	Informatio	on Name	
Address Table 🚽 👻	Target		buffered		
rity 👻	Severi	ty	emerg, aler	rt, crit, erro	r, warning, notice, info
			AAA, ACL, (CABLE_DIAG	G, CDP, DAI, DHCP_SNOOPING, Dot1X, GVRP,
	Catego	ory	IG MP_SNO	OPING, IPSO	G, L2, LLDP, Mirror, MLD_SNOOPING, Platform, PM, Por
igement 👻	Tabala		PORT_SECU	JRITY, QOS,	, Kate, SNMP
nostics 👻	Total	ntries:	/		
tenance 🔻					
	 Logging 	Message			
	Clear	Pofrosh			
	FIRST	REV 1 NEXT LAST			
	No.	Timestamp	Category	Severity	Massaga
					message

Target:

- Buffered: The Log information is stored in the RAM. All messages are lost when the switch loses power or is being restarted.
- Flash: Log information is stored in the FLASH memory and will be available after a system restart.

Severity: In a network there are events occurring constantly, and the Intellinet switch can log a great deal of these at runtime. With the severity filter you can define the threshold at which point an event is considered "log worthy". "Emerg" only logs events which are considered an "Emergency". That is the kind of event that would get a system administrator out of bed at 4 o'clock in the morning. "Debug" on the other hand is the polar opposite. In this mode there is nothing the switch considered unimportant. Choose whichever level is right for you.



Category: Select what type of events the switch should log, for instance port related events, or events belong to the ACL Access Control List.

5.1.3 Port

The Port configuration page displays port summary and status information.

5.1.3.1 Port Counters

This page displays standard counters of network traffic using modes like Interface, EtherLike and RMON. Interfaces and EtherLike counters display errors on the traffic passing through each port. RMON counters provide a total count of different frame types and sizes passing through each port.

Port: Select any of the 24 RJ45 Gigabit Ethernet Ports (GE), 2 SFP ports, or 8 Link Aggregation Groups (LAG).

Mode: Select the filter you wish to apply to the displayed results.

SAVE LOGOUT REBO	OT REFRE	SI Contraction of the second se	
Status	~	Port Counters	
System Information		Port MIB Counters Settings	
Port		Port Mode	
Port Counters		GE1 Out Ontrofers Ontrol II Ontrol	
Port Error Disabled			
Bandwidth Utilization	n		
Link Aggregation		- CE1 mile Counters	
LLDP Statistics		GET IND Counters	
IGMP Snooping Statisti	ics	Clear	
Network	~	IF mib Counter Name	mib Counter Value
Switching	~	ifInO ctets	0
MAC Address Table	~	i fI nU castP k ts	0
Security	~	ifInNUcastPkts	0
ACL	-	i fI nD is cards	0
QoS	~	i fO utO c te ts	0
Management	~	i fO utU c as tP k ts	0
Diagnostics	~	ifO utN U c as tP k ts	0
Maintenance	~	ifO utD is c ards	0
		ifInMulticas tP k ts	0
		i fI nB roadcas tP k ts	0
		i fO utM ul ti cas tP k ts	0
		i fO utB roadcas tPk ts	0
		Ether-Like mib Counter Name	mib Counter Value
		dot3 Stats A lignmentErrors	0
		dot3 Stats FC SE rrors	0
		dot3 Stats Single Collision Frames	0
		dot3 Stats Multiple Collision Frames	0
		dot3 Stats Deferred Transmissions	0
		dot3 Stats LateC ollisions	0
		dot3 Stats ExcessiveC ollisions	0
		dot3 Stats Fram eTooLongs	0
		dot3 Stats SymbolErrors	0

5.1.3.2 Port Error Disabled

Some protocols such as BPDU Guard, Loop back and UDLD can disable ports to protect the rest of the network, for instance if the switch detects that one of the attached network interface cards is malfunctioning and flooding the network with error packets. Ideally, you want this screen to look as shown below.

SAVE LOGOUT REBOO	OT REFRESH	l i i i i i i i i i i i i i i i i i i i		
Status	-	Port Error Disa	bled Status	
System Information				
Logging Message				
Port		Port Error Disabled Sta	tus	
Port Counters				
Port Error Disabled				
Bandwidth Utilization		Port Name	Error Disabled Reason	Time Left (Seconds)
Link Aggregation				
LLDP Statistics				
IGMP Shooping Statistic	s			
Network	~			
Switching	~			
MAC Address Table	~			
Security	~			
ACL	~			
QoS	~			
Management				
Diagnostics	~			
Maintenance	~			

5.1.3.3 Bandwidth Utilization

This page displays the TX (transmit) and RX (receive) bandwidth utilization for each port.

Port Bandwidth Utilization		
Gbps 🗧 100Mbps 🗧 10Mbpia	Refresh pesiod: 5 🖕 sec.	IFG: Enable
	Te	
	-	
GE1 GE2 GE3 GE4 GE5 GE9 GE7 GE8 GE9 GE10 GE11 GE13 GE13 GE14 GE15 One one one one one one one one one one o	GE16 GE17 GE18 GE19 GE20 GE21 GE22 GE23 GE24 GE25 GE26 DNs DNs DNs DNs DNs DNs DNs DNs DNs DNs	
GE1 GE2 GE3 GE4 GE3 GE6 GE7 GE8 GE9 GE10 GE11 GE12 GE13 GE14 GE13	GE3/6 GE37 GE38 GE39 GE20 GE21 GE22 GE28 GE24 GE28 GE29	
De	0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0%	

5.1.4 Link Aggregation

Link aggregation is a method of using multiple Ethernet ports in parallel to increase throughput beyond what a single connection could sustain, and to provide redundancy in case one of the links should fail. As this is essentially a grouping of ports into one logical unit, we call them Link Aggregation Groups, or "LAG" for short. Any LAG that is currently defined will be shown on this screen. The configuration of the LAG will be addressed later in the section "Switching".

Hatus o	LAG Sta	tus				
LUQUINZ.Htimiluki Port 0	- LAG STATES					
Net Cookers Net Eric Stander	Reco	i.co	Latin	10000		
Emmedia (Million)	LAG	Name	Type	Link State	Active Member	Standby Member
ni Appregation	LAGI			NotPresent		
ATP BOOKIN-	LAGZ			NotPresent		
WHI SHINGING SUCCESS	LAGS			NOTPRESENT		
twork 3	LAGA			Nocpleant		
tching -	LAGS			Not Present		
Address Table	LAGE			FLOS PINSMIT		
utity o	LAGT	-		NotPresent		
	LAUS			NotPresent		
endermont .	Contraction Contraction					
generation of	 CACE Informa- 	ARADIN.				

5.1.5 LLDP Statistics

The Link Layer Discovery Protocol (LLDP) is a vendor-neutral link layer protocol in the Internet Protocol Suite used by network devices for advertising their identity, capabilities, and neighbors on an IEEE 802 local area network, principally wired Ethernet. The LLDP statistics page displays an overall summary and per-port information for LLDP frames transmitted and received on the switch.

LLDP :	Statistics						
· LEARNING	alistation						
Cirat	Inferent						
Land and the second sec							12
Inserbor	4						0
Detetion							8
Drop							0
Ageout							0
(CONTRACTOR OF	contract.						
- LIND PORT							
-	1 mil march 1	lair norm			and so had		
Port	TX Frames	RX Fram	es	lence.	RX TLVs		RX Ageos
Port	TX Frames Total	RX Frams Total	es Discarded	Errors	RX TLVs Discarded	Unrecognized	RX Ageou Total
Port GE1	TX Frames Total	RX Frams Total C	Discarded	Errors. 0	RX TLVs Discarded 0	Unrecognized	RX Ageos Total C
Port GE1 GE2	TX Frames Total 0	RX Frame Total 0	es Discarded 0	Errors. 0 0	RX TLVs Discarded 0	Unrecognized 0	RX Ageos Total 0
Port GE1 GE2 GE3	TX Frames Total 0 0	RX Frame Total 0 0	es Discarded 0 0	Errors D O O	RX TLVs Discarded 0 0	Unrecognized 0 0	RX Ageos Total 0 0
Port 661 662 663 664	TX Frames Total 0 0 0	RX Frams Total 0 0 0	es Discarded 0 0 0 0	Errors D O O Q	RX TLVs Discarded 0 0 0	Unnecognized 0 0 0 0	RX Ageos Total 0 0 0
Port 6 E1 6 E2 6 E3 6 E4 6 E5 6 E5	TX Frames Total 0 0 0 0 0	RX Frams Total 0 0 0 0 0	es Discarded 0 0 0 0 0 0 0	Errors D D D D D D D D D D	RX TLVs Discarded 0 0 0 0 0 0	Unrecognized 0 0 0 0 0 0	RX Ageos Total 0 0 0 0 0
Port 6E1 6E2 6E3 6E4 6E4 6E6 6E6	TX Frames Total 0 0 0 0 0 0 0 0 0 0	RX Frame Total 0 0 0 0 0 0 0 0	es Discarded 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Errors 0 0 0 0 0 0 0	RX TLVs Discarded 0 0 0 0 0 0 0 0 0	Unrecognized a 0 0 0 0 0 0 0	RX Ageos Total 0 0 0 0 0 0 0 0 0
Port 6 E1 6 E2 6 E3 6 E4 6 E8 6 E8 6 E8 6 E8 6 E8	TX Frames Total 0	RX Frame Total 0 0 0 0 0 0 0 0 0 0 0 0	es Discarded 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Errors. 0 0 0 0 0 0 0 0 0	RX TLVs Discarded 0 0 0 0 0 0 0 0 0 0 0 0 0	Unrecognized 0 0 0 0 0 0 0 0 0 0	RX Ageos Total 0 0 0 0 0 0 0 0 0 0 0 0 0
Port 661 662 663 664 668 668 668 668 668 668 668	TX Frames Total 0 0 0 0 0 0 0 0 0 0 0 0 0	RX Frame Total 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	es Discarded 0 0 0 0 0 0 0 0 0 0 0 0 0	Errors. D 0 0 0 0 0 0 0 0 0 0	RX TLVs Discarded 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Unrecognized 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	RX Ageo Total 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Port 6 E1 6 E2 6 E3 6 E4 6 E6 6 E6 6 E7 6 E8 6 E7 7 E8 7 E8 7 E8 7 E8 7 E8 7 E8 7 E8 7	TX Frames Total 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	RX Frams Total 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	rs Discarded 0 0 0 0 0 0 0 0 0 0 0 0 0	Errors. 0 0 0 0 0 0 0 0 0 0 0 0 0 0	RX TLVs Discarded 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Unrecignized 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	RX Agents Total 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Port 6E1 6E2 6E3 6E4 6E5 6E6 6E7 6E8 6E8 6E9 6E8 6E8 6E8 6E8 6E8 6E8 6E8 6E8 6E8 6E8	TX Frames Total 0	RX Frame Total 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	rs Discarded 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Errors. 0 0 0 0 0 0 0 0 0 0 0 0	RX TLVs Discarded 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Unrecognized 0 0 0 0 0 0 0 0 0 0 0 0 0	RX A geos Total 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Port GE1 GE2 GE3 GE4 GE6 GE6 GE7 GE6 GE7 GE6 GE7 GE6 GE7 GE6 GE7 GE6 GE7 GE7 GE7 GE7 GE7 GE7 GE7 GE7 GE7 GE7	TX Frames Total 0	RX Fram Total 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Oiscardid 0	Errors. 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	82 11 Vs Discorded 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Unrecognized 0 0 0 0 0 0 0 0 0 0 0 0 0	RX Arges Total 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Port GE1 GE2 GE3 GE4 GE6 GE6 GE7 GE8 GE6 GE10 GE111 GE12 GE7 GE7 GE7 GE7 GE7 GE7 GE7 GE7	TX Frames Tofat 0	RX Fram Trial 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Discarded Discarded 0	Errors. 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	RX TLVs Discarded 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Unrecignized 0 0 0 0 0 0 0 0 0 0 0 0 0	8X A gess Total 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Port GE1 GE2 GE3 GE4 GE6 GE6 GE6 GE6 GE6 GE6 GE6 GE6 GE6 GE6	TX Frames Total 0	RX Fram Total 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Oiscarded 0	Errors. 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	BX TLVs Discarded 0	Unrecognized 0 0 0 0 0 0 0 0 0 0 0 0 0	• RX A gene Total 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Port 6 E1 6 E2 6 E3 6 E4 6 E8 6 E8 6 E8 6 E8 6 E8 6 E8 6 E9 6 E10 6 E11 6 E11 6 E13 6 E13 6 E14	TX Frames Total 0	RX Fram Total 0	Discarded Discarded 0	Errors. 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	BX TLVs Discarded 0	Unrecognized 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	RX A prov Total 0 0 0 0 0 0 0 0 0 0 0 0 0

Insertions: The number of times the complete set of information advertised by a particular MAC Service Access Point (MSAP) has been inserted into tables associated with the remote systems.

Deletions: The number of times the complete set of information advertised by MSAP has been deleted from tables associated with the remote systems.

Drops: The number of times the complete set of information advertised by MSAP could not be entered into tables associated with the remote systems because of insufficient resources.

Age Outs: The number of times the complete set of information advertised by MSAP has been deleted from tables associated with the remote systems because the information timeliness interval has expired.

5.1.6 IGMP Snooping Statistics

The Internet Group Management Protocol (IGMP) is a communications protocol used by hosts and adjacent routers on IP networks to establish multicast group memberships. IGMP is an integral part of IP multicast. IGMP can be used for one-to-many networking applications such as online streaming video and gaming, and allows more efficient use of resources when supporting these types of applications.

This page displays the IGMP statistics information, also referred to as 'Snooping Statistics'.

10 C	IGMP Snooping Statistics	
1 Healings	- ighte shooping startelics	
Counter:	Clear Refresh	
	Statistics Packets	Counter
	Total RX	128
Kanan I	V aled RX	3
inveging scitlings	Invalid RX	125
	0 than RX	0
10	Leave RX	0
rens Table 🛛 🗝	Report #X	0
	G eneral Query RX	0
	Specall Group Query RX	0
	Special Group & Source Query RX	0
ment)	Leave TX	0
Urs n	Report Tx	0
eke ek	General Query TX	0
	Specall Group Query TX	0
	Specal Group & Source Query TX	0

5.2 NETWORK

Use the Network page to configure settings for the switch network interface and set up the time related settings.

5.2.1 IP Address

Define the IP address of the switch here.

All and a second se		IP Address		
Network		TR A LL		
IP Address		IP Address Setting		
Time Settings	- 6	Mode	Static DHCP	
Switching	•	IP Address	192 168 2 1	
MAC Address Table		Subnet Mask	255.255.255.0	
Security	~	Gateway	192 168 2 254	
ACL				
QuS		Apply		
Management	-			
Management Diagnostics	*	• IP Information		
Management Diagnostics Maintenance	•	* IP Information		
Management Diagnostics Maintenance	•	• IF Information	Inf	ormation Value
Management Diagnostics Maintenance	* *	The Information Information Name DHCP State	inf Dis	armation Value
M anagement Diagnostics M aint og an ce		 IP Information Information Name DHCP State IP Address 	inf Dis 191	ormation Volue abled 2.168.2.1
M an agement Diagnostics M aint en an ce		 IP Information Information Name DHCP State IP Address Subnet Mask 	1015 Dis 251	armation Value abled 2.168.2.1 2.255.255.0

Mode: Select the mode of network connection.

- Static: Define the IP address manually. The IP address, subnet mask and gateway address must be provided.
- DHCP: obtain IP information from a DHCP server on the network.

Note that you have multiple of these switches installed in your network, you must assign a unique IP address to each of them, even if you don't plan on using any of the smart features of the switch. As a reminder, the default IP address of this switch is 192.168.2.1.

5.2.2 Time Settings

5.2.2.1 System Time

For the switch to accurately flag messages with the correct date and time stamp, the switch's system time must be set up first. Set "Enable SNTP" to "Disabled" if you do not want to sync the switch system time with an external time server, but rather want to configure it manually.

Status	-	System Time			
Network	-	System Time Sett	ing		
Time Settings		Enable SNTP	Disabled Denat	bled	
System Time SNTP Settings		Manual Time	Year 2000 - Month 0 - Seconds 0	1 Day 1 Hours 0 Minutes	
		Tim e Zone	None		
Switching MAC Address Table	*	Daylight Saving Time	Disabled 🖕		
ecurity	*	Daylight Saving Time Offset	60	(1 - 1440)Minutes	
205	-	Recurring From	Week Sun 🕳 Month	h 1 🖕 Hours 0 🖕 Minutes 0 🦊	
Management	-	Recurring To	Week Sun 🕳 Month	h 1 🖕 Hours 0 🖕 Minutes 0 🦕	
Management • Diagnostics •	-	Non-recurring	Year 2000 - Month	1 _ Day 1 _ Hours 0 _ Minutes	
Maintenance		From	0 *		
		Non-recurring To	Year 2000 - Month	1 w Day 1 w Hours 0 Minutes	
		Apply			
		≠ System Time Inform	ations		
		Information Name	6	Information Value	
		Current Date/Time	8	08:26:22 DFL(UTC+8) Jan 04 2000	_
		Enable SNTP		D is abled	
		Time Zone		UTC+8	
		Daylight Saving Ti	me	Disabled	
		Daylight Saving Ti	me Offset		
		From			

5.2.2.2 SNTP Settings

If you wish to synchronize the switch system time with an external time server, also referred to as an NTP or SNTP server, then you can provide the IP address or host name of said server on this screen. Unless you know it to be different, it is recommend to leave the server port as '123'. If you have a NTP server in your LAN, then you can utilize that too, of course.

Status	-	SNTP Server Setting	gs		
ID Address		SNTP Server Settings			
Time Settings	-	SNTP/NTP Server Address		(X.X.X.X or Hostname)	
		Server Port	123	(1-65535 Default: 123)	
SNTP Settings		Constant of Consta			
Switching	~	Αμρίγ			
MAC Address Table	•	- COTP Server Information			
Security	Ŧ	S SATE Server information			
ACL	-	Information Name	Inf	ormation Value	
QoS	-	SNTP/NTP Server Address			
Management	Ŧ	Server Port	0		
Diagnostics	-				
Maintenance	-				

5.3 SWITCHING

5.3.1 Port Setting

On this screen you can configure basic aspects of each of the ports.

and set		Port	Setting						
twork	-	Port Setti	ina						
stening		Port S	elect	Enabled	Speed	Duplex	Flow Co	Introl	
Port Setting Error Desibled		Select Ports	1.0	Contra El Montra	Auto -	Auto -	(Berline)	0 and 1	
Mirror				Enabled Disabled			Enabled	Disabled	
Link Addregation		Fiber Ports	* 6	Enabled. Orsabled	Auto 10001 -	Full 👻	C Enabled	Disabled	
VLAN Management	-1	-							
Jumbo Frame		Abbly							
STR	•	-							
AC Address Table		* Port Sta	ras						
ecurity	-	Port	Description	Enable State	Link Status	Speed	Duplex	FlowCtrl Config	FlowCtrl Status
CIL.	~	GE1	Edit	Enabled	Disabled	Auto	Auto	Disabled	Disabled
oS	*	GE2	Edit	Enabled	Disabled	Auto	Auto	Disabled	Disabled
anagement	*	GE3	Edit	Enabled	Disabled	Auto	Auto	Disabled	Disabled
agnostics	-	CEA	Edit	Enabled	Disabled	Auto	Auto	Disabled	Disabled
aintenance	~	GE4	cure	Enabled	Disabled	AUto	Auto	Disabled	Disabled
		GES	Edit	Enabled	Disabled	Auto	Auto	Disabled	Disabled
		GE6	Edit	Enabled	Disabled	Auto	Auto	Disabled	Disabled
		GE7	Edit	Enabled	Disabled	Auto	A uto	Disabled	Disabled
		GE8	Edit	Enabled	Disabled	Auto	Auto	Disabled	Disabled
		GE9	Edit	Enabled	Disabled	Auto	Auto	Disabled	Disabled
		GE10	Edit	Enabled	Disabled	Auto	Auto	Disabled	Disabled
		GE11	Edit	Enabled	Disabled	Auto	Auto	Disabled	Disabled
		GE12	Edit	Enabled	Disabled	Auto	Auto	Disabled	Disabled
		GE13	Edit	Enabled	Disabled	Auto	Auto	Disabled	Disabled
		GE14	Edit	Enabled	Disabled	Auto	Auto	Disabled	Disabled
		CELE	Edit	Enablad	Disabled	Auto	Auto	Disphlad	Disabled

Port Select:

Select one or multiple ports to configure.

Enabled:

Enable or disable the port. Disabling the power will also cut off power to any connected PoE powered device.

Enal	bled
Enabled	© Disabled

Speed:

Typically you set to speed to "Auto," which stands for auto-negotiation. In this mode the connection will be made at the fastest possible speed. In very rare cases, however, this auto-negotiation can fail, and you need to manually adjust the speed to whatever the connecting device is capable of.



Duplex:

In a full duplex system, both parties can communicate to the other simultaneously. An example of a full-duplex device is a telephone; the parties at both ends of a call can speak and be heard by the other party simultaneously. In networking terms, full duplex allows receiving and transmitting of data at the same time, whereas half duplex does not. If the telephone is an example for full duplex, then a push-to-talk



CB radio or 'walkie-talkie' represents half duplex. The switch can either receive or send data, but it can never happen simultaneously. Unless you have any specific reason not to do so, this should be left in "Auto" mode.

Flow Control:

IEEE 802.3x flow control is the process of managing the rate of data transmission between two nodes, i.E. the switch and a connected network client, to prevent a fast sender from overwhelming a slow receiver. It provides a mechanism for the



receiver to control the transmission speed, so that the receiving node is not overwhelmed with data from transmitting node. That sounds like it is a good thing, and it is, but why then is the option by default set to "disabled" you might ask. The short answer is: Because you normally don't need it, and because it can in very rare circumstances have a negative impact on the overall performance in your network. The TCP protocol already provides its own flow control mechanism, allowing a sender to throttle back the speed if the receiver is having problems keeping up.

5.3.2 Error Disabled

This page allows you to define the parameters for the automatic port disable function.

	Error Disabled Settings		
	Error Disabled Recovery		
	Error Disabled Recovery	200	
	Recovery Interval	Suu (Seconds)	_
1	BPDU Guard	C Enabled S Disabled	-
tion	Self Loop	C Enabled Disabled	
ement i	Broadcast Flood	Enabled Disabled	
	Unknown Multicast Flood	Enabled Disabled	
	Unicast Flood	Enabled 🤨 Disabled	
Table 🔫	ACL	Enabled Disabled	
*	Port Security Violation	C Enabled Desabled	
	DHCP rate limit	C Enabled . Disabled	
1. 1.	ARP rate limit		_
is + ce +	Apply	Enabled Ursabled	
e e	Apply - Error Disable Information	Enabled ¹⁹ Disabled	
70 17	Apply - Error Disable Information Information Name	Enabled Disabled	rmation Value
	Apply - Error Disable Information Information Name Recovery Interval	Enabled Disabled	rmation Value
T	Apply - Error Disable Information Information Name Recovery Interval BPDU Guard	Enabled Disabled	rmation Value
	Apply - Error Disable Information Information Name Recovery Interval BPDU Guard Self Loop	Enabled Disabled	rmation Value bled
7	Apply	Enabled Disabled	rmation Value bled bled bled
-	Apply	Enabled Disabled	rmation Value bled bled bled bled bled
	Apply	Enabled Pisabled	rmation Value bled bled bled bled bled bled
	Apply - Error Disable Information Toformation Name Recovery Interval BPDU Guard Self Loop Broadcast Flood Unincom Multicast Flood Unicast Flood Unicast Flood AcL	Enabled Pisabled	rmation Value bled bled bled bled bled bled
T T	Apply - Error Disable Information Toformation Name Recovery Interval BPDU Guard SelfLoop Broadcast Flood Unicast Flood Unicast Flood Unicast Flood ACL Port Security Violation	Enabled Pisabled	rmation Value bled bled bled bled bled bled bled ble
e.	Apply	Enabled ¹⁶ Disabled Index Disa	rmation Value bled bled bled bled bled bled bled ble

Recovery Interval: The switch will automatically re-enable ports that have been previously disabled, after the recovery interval time has elapsed.

BPDU Guard: BPDUs are sent out as multicast frames to which only other layer 2 switches or bridges are listening. If any loops (multiple possible paths between switches) are found in the network topology, the switches will co-operate to disable a port or ports to ensure that there are no loops.

Flood: The network can get overwhelmed by a large amount of unicast packets that can literally flood the entire network and can consume sufficient network resources so as to render the network unable to transport normal traffic.

ACL/Port Security Violation: Security related threads that violate the Access Control List settings can be caught by the switch, and drastic measures can be taken, namely disable the port from which the packets originate.

DHCP/ARP Rate Limit: Ports are disabled that exceed the DHCP request and ARP rate limits.

5.3.3 Traffic Mirroring

Port mirroring is the ability of a network switch to send a copy of network packets seen on a switch port or ports to a network-monitoring device connected to another switch port, i.e., a computer equipped with a packet sniffer utility.

Status	-	Mirror Set	ting			
etwork		HIN OF SE	ling			
witching	-	Mirror Setting				
Vort Setting		S	ession ID	Select Session 🖕		
Error Disabled		Monito	r session state	Disabled -		
Miltor		Dest	ination Port	GET		
Local Millior Setting		affe	ow ingress	Disabled		
Link Aggregation		Snift	er RX Ports	LAND & UPUTS		
VLAN Management	6					
Multicast	_	Snif	fer TX Ports	second and the Westmann second		
Jumbo Frame STP						
		Apply				
AC Address Table	~	-				
ecurity	~	- Mirror Status				
CL	-					
s	-	Session ID	Destination Port	Ingress State	Sniffer TX Ports	Snilfer RX Ports
	*	1	N/A	N/A	N/A	N/A.
anagement			N/A	N/A	N/A	N/A
anagement lagnostics	-	2			CTD II II	
magement agnostics intenance	•	3	N/A	N/A	N/A	N/A

Session ID: The Intellinet switch supports up to 4 session IDs.

Monitor Session State: Disables or enables port mirroring for this session.

Destination Port: The port to which the mirrored packets are sent, which is the port to which you connect your network monitoring station. This port will no longer function as a regular port, and it cannot be assigned to any LAG or VLAN group.

Allow-Ingress: Enable or Disable ingress traffic forwarding. An example for ingress traffic is the information returned by a web site to the local user's request. Egress, on the other hand, would be the request by the local user to the web site. Simply speaking, from the standpoint of your network, ingress traffic can be consider incoming or inbound traffic, whereas egress traffic is outgoing or outbound traffic.

Sniffer RX/TX Ports: Defines the source ports from which traffic will be mirrored. TX Ports: Only traffic transmitted originating from these ports will be mirrored to the destination port.

RX Port: Only traffic received by these ports will be mirrored to the destination port.

5.3.4 Link Aggregation

5.3.4.1 LAG Setting

Besides providing a higher speed connection to another port by grouping ports together into la logical unit, Link Aggregation (LAG) also provides a load balancing feature. On this screen you define whether LAG that is depended on the MAC address or IP/MAC address.

itatus 🗢	LAG Setting			
elwork 💌	and the second se			
witching 🗢	LAG Setting			
Part Settion	Load Balance Algorithm	MAC Address DIP/MAC Address		
These Plan default				
PTIOP 120 STORED				
Mariar 8	Apply			
Martor d Link aggingation d	Apply			
Manun a Manun a Link aggregation j LAG Setting	Apply	<u></u>		
Martan Salasana Martan S Lirik Aggregation J LAG Selting LAG Monagement	Apply + 1AG Information			
Minor p Initia aggregation A LAG Setting- LAG Menagement LAG Port Setting	Apply < 1AG Information Information Name		Information Value	
Amin o Amin o Laid Selting Laid Selting Laid Poit Setting Laid Poit Setting Laid Poit Setting	Apply AG Information Information Name		Information Value	

5.3.4.2 LAG Management

This page is used to set up LAG groups. You can create up to 8 different LAG groups, each can have up to 8 member ports. Each LAG can be given a custom name, and you must select the ports for the LAG.

•	LAG	lanagen	nent				
a	LAG Manag	gement					
ting	LAG	Nam	e	Туре	Port		
sabled	LAG1 🗸			🖲 static 🔘 LACP	Select Ports +		
etting lanagement	Apply						
ort Setting	 LAC Mana 	igement int	ermation				
ort Setting Setting Port Setling	+ LAC Man	Name	Type	Link State	Active Member	Standby Member	Modif y
ort Setting Setting Port Setting inagement	+ LAC Mans	Name	Type	Link State	Active Member	Standby Member	Modif y Edit
ort Svitting Setting Post Setting Inagement t	 LAG Muni LAG LAG1 LAG2 	Name	Type	Link State Not Present Not Present	Active Member	Standby Member	Modif y Edit Edit
of Setting Setting Port Setting nagement : :	LAC Man	Name	Type 	Link State Not Present Not Present Not Present	Active Member	Standby Member	Modif y Edit Edit Edit
int Setting int Setting nagement iame	LAG MAN	Name	Type	Link State Not Present Not Present Not Present Not Present	Active Member - - - -	Standby Member - - -	Modif y Edit Edit Edit Edit
ut Setting Skting Prot Setling nagement came ess Table	LAG MARK	Name	Type	Link State Not Present Not Present Not Present Not Present	Active Member	Standby Member - - - -	Modif y Edit Edit Edit Edit Edit
ut Setting Exting Pref Setting rame ess Table	LAC Mans LAG LAG1 LAG2 LAG3 LAG4 LAG5 LAG6	Name	Type	Link State Not Present Not Present Not Present Not Present Not Present Not Present	Active Member	Standby Member	Modil y Edit Edit Edit Edit Edit Edit
art Serting Exeting Prof Serting adament came ess Table ess Table	LAC Mans LAG LAGI LAG2 LAG3 LAG4 LAG5 LAG6 LAG7	Name	Type	Link State Not Present Not Present Not Present Not Present Not Present Not Present	Active Member	Standby Member	Modil y Edit Edit Edit Edit Edit Edit Edit

As for the type, there are two choices: Static and LACP.

Static: All configuration settings must be set up manually exactly the same way on the participating LAG device, i.e., the other Intellinet 24 Port PoE+ Web Managed Gigabit Switch. There is no problem with doing this of course. Even the static method provides link redundancy, should one or more of the links in the trunk fail. However, if media converters are used, it can happen that the link on the switch#1 is up, but the connection to the switch#2 at the other end is interrupted, for example because of a cable malfunction. In this case, switch#1 keeps sending data via this connection, because on this end there are no interruptions. The data transfer is therefore interrupted.

LACP: Link Aggregation Control Protocol (LACP) allows the dynamic exchange of information with regard to the link aggregation between the two members of said aggregation. It allows for the automatic detection of links in an LAG group when connected to another LACPcompliant Switch. Both switch#1 and switch#2 need to be set to the same mode for this to work. The data between the two switches is packetized in Link Aggregation Control Protocol Data Units (LACDUs). Should any of these packets fail to arrive, for instance due to an interruption one side of the media converter, the switches will quickly remove the LAG group port causing the problem from the LAG group. No data is lost.

5.3.4.3 LAG Port Setting

On this page you define additional settings for the LAG groups.

and a second		LAG	Port Set	ting						
i work	-	AG Port	Setting							
Itening		LAG 5	elect	Enabled	Spee	d Flow	Control			
rt Setting		Falses 1 A.C.			0.44	-				
or Disabled		Selections		Enabled Dis	sabled Auto	♥ ■ Enabled	d 🕑 Disat	bed		
k Addregation	-1	-								
		Apply								
the setting	_									
Als Management		-								
LAG Management LAG Port Setting		+ LAG Por	r Status							
LAG Management LAG Port Setting LACP Setting		+ LAG Por	t Status							
LAG Management LAG Port Setting LACP Setting LACP Port Setting		+ LAG Por	t Status Descriptio	n Port Type	Enable State	Link Status	Speed	Duplex	Flow Ctrl Config	FlowCtrl Status
As Management AS Port Setting ACP Setting ACP Port Setting W Management		+ LAG Por	r Status Descriptio	n Port Type	Enable State	Link Status	Speed Auto	Duplex Auto	Flow Ctrl Config Disabled	FlowCtrl Status
AG Management AG Port Setting ACP Setting ACP Port Setting IN Management Iticast		+ LAG Por LAG LAG1 LAG2	t Status Descriptio	n Port Type	Enable State Enabled Enabled	Link Status	Speed Auto Auto	Duplex Auto Auto	FlowCtrl Config Disabled Desabled	FlowCtrl Status Disabled Disabled
AG Management AG Port Setting ACP Setting ACP Port Setting W Management Iticast. nbo Frame		+ LAG Por LAG LAG1 LAG2 LAG3	t Status Descriptio	n Port Type	Enable State Enabled Enabled Enabled	Link Status	Speed Auto Auto Auto	Duplex Auto Auto Auto	FlowCtrl Config Disabled Disabled Disabled	FlowCtri Status Disabled Disabled Disabled
AG Management AG Port Setting ACP Setting ACP Port Secting M Management tocast nbo Frame	•	+ LAG Por LAG LAG1 LAG2 LAG3 LAG4	t Status Descriptio	n Port Type	Enable State Enabled Enabled Enabled Enabled	Link Status	Speed Auto Auto Auto Auto	Duplex Auto Auto Auto Auto	Flow Ctrl Config Disabled Drsabled Disabled Disabled	FlowCtrl Status Disabled Disabled Disabled Disabled
AG Management AG Port Setting ACP Setting ACP Setting IN Management ticast nibo Frame > Address Table		+ LAG Por LAG LAG1 LAG2 LAG3 LAG4 LAG5	t Status Descriptio	n Port Type	Enable State Enabled Enabled Enabled Enabled Enabled	Link Status	Speed Auto Auto Auto Auto Auto	Duplex Auto Auto Auto Auto Auto	Flow Ctrl Config Disabled Drsabled Disabled Disabled Disabled	FlowCtrl Statue Disabled Disabled Disabled Disabled Disabled
AG Management IAG Port Setting IACP Port Setting IACP Port Setting IACP Setting IACP Setting M Management IGCast Inbo Frame Address Table rifly		+ LAG Por LAG LAG1 LAG2 LAG3 LAG4 LAG5 LAG6	t Status Descriptio	n Port Type	Enable State Enabled Enabled Enabled Enabled Enabled Enabled	Link Status	Speed Auto Auto Auto Auto Auto Auto	Duplex Auto Auto Auto Auto Auto Auto	Flow Ctrl Config Disabled Drsabled Disabled Disabled Disabled Disabled	FlowCtrl Statue Disabled Disabled Disabled Disabled Disabled Disabled
AG Management AG Port Setting AGP Setting AGP Port Setting M Management Incast Incast Inbo Frame Address, Table rity		+ LAG Por LAG LAG1 LAG2 LAG3 LAG4 LAG5 LAG6 LAG6	r Stanis Descriptio	n Port Type	Enable State Enabled Enabled Enabled Enabled Enabled Enabled Enabled	Link Status	Speed Auto Auto Auto Auto Auto Auto Auto	Duplex Auto Auto Auto Auto Auto Auto Auto	FlowCtrl Config Disabled Drsabled Disabled Disabled Disabled Disabled Disabled	FlowCtrl Statue Disabled Disabled Disabled Disabled Disabled Disabled Disabled
AG Management ACP Setting ACP Setting ACP Port Setting N Management Diast. hab 6 rame Address. Table		LAG Por	r Stans	n Port Type	Enable State Enabled Enabled Enabled Enabled Enabled Enabled Enabled Enabled	Link Status	Speed Auto Auto Auto Auto Auto Auto Auto Auto	Duplex Auto Auto Auto Auto Auto Auto Auto Auto	Flow Ctrl Config Disabled Disabled Disabled Disabled Disabled Disabled Disabled Disabled	FlowCtrl Status Disabled Disabled Disabled Disabled Disabled Disabled Disabled Disabled

You can enable or disable the entire group, set the speed to manual values from 10 to 1000 Mbps, or auto, and you can enable or disable flow control.

5.3.4.4 LACP Setting

This page is used to configure the system LACP system priority, which determines which switch (switch #1 or switch #2) in an LACP link controls port priorities. If both switches are set to the default value "1," then the LACP system ID (MAC address of the switch) determines which of the switches is in charge. Other than that, the switch with the lowest system priority number is in control.

Status -	LACP			
Switching -	LACP Setting			_
Port Setting	Lacp Enable	Enabled Disabled		
Error Draabled	System Priority	1 (1-65535)		
Mirror 0				
LAG Port Setting LACP Setting	+ LACP information			
Concerning	Information Name		Information Value	
VLVI Management	Lacp Enable		Enabled	
Jumbo Frame STP	System Priority.		1	_
AAC Address Table •				
in maile				

5.3.4.5 LACP Port Setting

This page is used to set the priority for the LACP member ports. While the system priority defines, which switch is in charge in the LACP setup, the port priority is used to determine, how the ports in the LACP group are used, based on which port priority. The lowest number value has the highest priority, and if all are left at default, then the actual port number defines the priority.

SAVE LOGOUT REPO	DOT REFI	RESI)			
Status	-	LACP Port S	setting		
letwork		LACD Bort Setting			
witching	*	Port Select	System Briority	Timeout	
Port Setting		PULISCIECI	System Priority	mieout	
hror Deabled		Select Ports 👻	1 (1-65535) 🧕 long 🔘 short	
liner					
Inc Addred2000	_	Apply			
LAG Selling					
LAG Management	_	Concerns to the local			
LACP Setting	_	* LACP Port Informa	tion		
LACP Port Setting		-	A CONTRACTOR		Property
an An Management			System Priority		Timeout
fulbrast	-1	GEL	1		long
umba Frame	-1	GE2	1		long
		GE3	1		long
		GE4	1		long
Address lable	~	GE5	I		long
urily		G E 6	1		long
1	-	GE7	1		long
S		G E 8	1		long
nagement	-	GE9	í		long
ignostics		GE10	1		long
intenance	10	GELL	i i		1000

5.3.5 VLAN Management

5.3.5.1 Create VLAN

This page allows adding, deleting or editing the switch's VLAN settings.

T REPORT				
Create VL	AN			
VLAN Setting				
VLAN LIST	VLAN Action V	LAN Name Prefix		
	Add Delete			
Appry				
- VEAN Table				
VIANTO	VIA	i Name	VI AN TYON	Modifu
1	defa	lt	Default	Edit
12				

VLAN LIST: This is he ID for the new VLAN.

VLAN Action: Add or delete the VLAN.

VLAN Name Prefix: VLAN Name Prefix for the new VLAN.

Below is a real-world example:

1			
VLAN ID	VLAN Name	VLAN Type	Modify
1	default	Default	Edit
2	a cco un tin g0 00 2	Static	Edit Delete
3	sales0003	Static	Edit Delete

5.3.5.2 Interface Settings

This page allows the user to set the port type of vlan, common have access and trunk, dot1q - tunnel three modes and native VLAN choose whether the port TX,RX should have a tag.

tatus •	Inter	face Settings						
etwork -	Edit Interd	aca Catting						
witching *	Port Sel	act Interface VIAN Mod		DVID	Accented type	Ingrass Liltering	Unlink	
Port Setting Error Disabled	Solect Ports	W Hybrid Access Trunk Turinel	1 4094)	(1 - Q A	I Tagged	Crabled Disabled	Enabled Disabled	0x8100
nk: Appredation	-	- Andrewski - A						
Wé Management	Apply							
Create VIAN								
Interface Settings	- Post VLAN	Estatus						
Port to YLAN								
Port NLAN Membership	Port	Interface VLAN Mode	PV1D	Accepted Type	a Ingress	Filtering	Uplink	TPID
etting	GEL	Trunk	1	AD	Enabled		Disabled	0×8100
Protocol VI AN Port	GE2	Trunk	1	A1I	Enabled		Disabled	0x8100
Setting	GE3	Trunk	1	AII	Enabled		Disabled	0x8100
luciest: 0	GE4	Trunk	1	All	Enabled		Disabled	0x0100
nbo Frame	GES	Trunk	1	All	Enabled		Disabled	0×8100
	GES	Trunk	4	All	Enabled		Disabled	0×8100
Address Table •	GE7	Trunk	1	All	Enabled		Disabled	0x8100
rity e	668	Trunk	1	All	Enabled		Disabled	0×8100
•	GE9	Trunk	1	All	Enabled		Disabled	0x8100
•	GEID	Trunk	1	All	Enabled		Disabled	0×8100
ngement	GE11	Trunk	i	All	Enabled		Disabled	0×8100
nostics +	GE12	Trunk	1	All	Enabled		Disabled	0×8100
tenance 🔹	GE13	Trunk	1	All	Enabled		Disabled	0x8100
	GE14	Trunk	1	All	Enabled		Disabled	0x8100
	GE15	Trunk	1	All	Enabled		Disabled	0x8100
	0.516	Trunk		AH	Enabled		Dirabled	0.40100

Port Select : Select one or multipleports to configure.

Interface VLAN Mode: VLAN port mode

Hybrid: Port hybrid model.

Access: Port hybrid model.

Trunk: Port hybrid model.

Tunnel: Port hybrid model.

PVID: VLAN ID for the selected ports.

Accepted Type: Port accepted type.

All: Accept tagged and untagged frames.

Tag Only: Only accept tagged frame.

Untag Only: Only accept untagged frame.

Ingress Filtering: Choose filter port open and close.

Uplink: Select port Uplink open or close.

5.3.5.3 Port to VLAN

To display Port to VLAN web page, click Switching > VLAN Management > Port to VLAN

Make port add to VLAN ,select the port's different behaviors when it works under the VLAN.

atus 💌	Port 1	to VLAN		
lwork -		and a provide the second se		
tching 👻	_			
at Setting	- Poit to V	LAN Settings		
inar b	VEAN ID :	1 +		
8 Adgredation	Port	Interface VLAN Mode	Membership	PVID
Nr. Managament	GEI	Trunk	🔘 Forbidden 🗇 Excluded 🔘 Tagged 🔍 Untagged	1
Dreate VLAN InterFace Settings	GE2	Trunk	S Forbidden Excluded O Tagged O Untagged	1
Port to VLAN	G E 3	Trunk	🗇 Forbidden 🗇 Excluded 🕲 Tagged 🔍 Untagged	12
Perc VLAN Membership Presont VLAN Group	GE4	Trunk	C Forbidden Excluded C Tagged Untagged	
Sitting Protocol VI AN Port	GES	Trunk	O Forbidden O Excluded O Tagged @ Untagged	21
Sutting	G E 6	Trunk	S Forbidden S Excluded S Tagged S Untagged	
Incest b	GE7	Trunk	🗇 Forbidden 🔿 Excluded 🗇 Tagged 🔍 Untagged	12
2	GES	Trunk	C Forbidden C Excluded C Tagged 9 Untagged	(7)
Address Table 🔹	GE9	Trunk	© Forbidden © Excluded © Tagged @ Untagged	[7]
irity +	GEIO	Trunk	S Forbidden Sexcluded Tagged Untagged	12
	GE11	Trunk	C Forbidden Excluded Tagged Untagged	
•	GE12	Trunk	C Eachidden C Excluded C Tagged Q Untagged	17
agement *	6513	Trunk	C Polytower Exclosed C Tagged C Ontagged	177
gnostics -	Sera	TT UNK	Porbiaden Excluded Tagged W Untagged	141
itenance e	GE14	Trunk	Porbidden Excluded Tagged 🖲 Untagged	12
-	GE15	Trunk	💭 Forbidden 🦈 Excluded 🖤 Tagged 🖲 Untagged	17
	C 516	Trunk	Contractor Contractor Contractor Contractor	

5.3.5.4 Port VLAN Membership

To display Port VLAN Membership web page, **click Switching > VLAN Management > Port VLAN Membership**

us 🗢	Port VI	AN Member	ship		
rk =	Contract of the local division of the local				
china 📼	1				
rt Setting	- Part VEAN I	Nembership Tabl			
m: Disabled					
mnr e	Port	Mode	Administrative VLANs	Operational VLANs	Modif y
N Management	GEL	Trunk	10P	IUP	Edit
Create VLAN	GE2	Trunk.	10P	10.0	Edit
Intelface Sittings	GE3	Trunk	10.5	IUP	Edit
Port to VLAN	GE4	Trunk	IUP	10.0	Edit
Port VLAN Membership Protocol VI AV Group	GES	Trunk	107	LUP	Edit
Setting	GEO	Trunk	108	11/2	Edit
Sutting	557	Trunk	TUP	1118	Edit
liticant b	027	Touck	100	100	Edit
mbo Frame	ues.	Trunk	TOP	TOP	EUR
P5	GE9	Trunk	10.0	109	Edit
Address Table 🔹	GE10	Trunk	IUP	IUP.	Edit
urity 💌	GE11	Trunk	10P	IUP	Edit
•	GE12	Trunk	10P	100	Edit
•	GE13	Trunk	109	10.0	Edit
agement -	GE14	Trunk	TUP	100	Edit
mostics +	0411	There a		100	
ntenance 🗢	6E15	TUNK	TON	TUP	Edit
	GE16	Trunk	10P	10.0	Edit
	6617	Trunk	IUP	109	Edit
	GE18	Trunk	109	109	Edit

5.3.5.5 Protocol VLAN Group Setting

To display Protocol VLAN Group Setting web page, click Switching> VLAN> Protocol VLAN Group Setting

The VLAN group setting, that is sets the same type message as a group and transmit it in the specific VLAN.

SAVE LOODUT REBOOT RE	Cigran.			
Status +	Protocol VLAN Group	Setting		
Network •	Add Destand Michild			
Switching •	And Protocol VLAN Group			
Port Sitting	Group ID (1-8)	1	
Errit Districted	Frame Ty	pe	Ethernet_II	
Lok Approximation	Protocol Value (0x0	600-0xFFFE)		
Vulki Management	000			
Create VLAN	Add			
totection pettings	-			
Fort to WAN	- Protocol VLAN Group State			
Part Vial Merchanter	for some file			
Setting	Group 10	Frame Type	Protocol Value	Delete
Problecki VLAN Pert Setting				
Multicare				
Isenho Feanse				
STP 0				
MAC Address Table				
Security •				
ACL ¢				
QoS				
Hanagement -				
Diagnostics v				
Haintenance +				

Group ID(1-8): Enter an ID number of the group, between 1 and 8.

Group Name: This is used to identify the new Protocol VLAN group.Type an alphanumeric string of up to 16 characters.

Frame Type : This function maps packets to protocol-defined VLAN by examining the type octet within the packet header to discover the type of protocol associated with it.

Ethernet_II: packet type is Ethernet version 2.

IEEE802.3_LLC_Other: packet type is 802.3 packet with LLC other header.

RFC_1042: packet type is RFC 1042 packet.

Protocol Value (0x0600-0xFFFE): Enter the Ether type of the target protocol.

5.3.5.6 Protocol VLAN Port Setting

To display Protocol VLAN Port Setting web page, click Switching> VLAN> Protocol VLAN Port Setting

This page is used to divide the port into groups and map it to the VLAN.

Protocol	VLAN Port Setting			
Protocol VLAN	Port Setting		1.	
Port	Group ID	VLAN		
Select Ports	· · ·	VLAN TO: 1-4094) 1		
-		- testiene service	-	
Add				
TOTAL VI AN	FINT STATE			
Port	Group ID		VLAN ID	Delete

Port: Select the specified ports you wish to configure by selecting the port in this list.

Group: Click the corresponding radio button to select a previously configured Group ID or Group Name.

VLAN :Click the corresponding radio button to select a previously configured VLAN ID or VLAN Name.
5.3.6 Multicast

5.3.6.1 Properties

To display Properties web page, click Switching > Multicast > Properties

This page is used to Set message behavior and iPv4 message forwarding rules.

Properties		
PropertiesSetting		
L2 Unknown Multicast Action	Drop @ Flood	
IP Unknown Multicast Action	Drop OFlood CRouter Fort	
TPv4 Forward Method	MAC SIC-DIR-ID	
Apply		
- Properties Informations		
- Properties Informations		Information Value
Properties Informations Information Name L 2 Unknown Multicast Action		Information Value Flood
 Proporties Informations Information Name L2 Unknown Multicast Action IP Unknown Multicast Action 		Toformation Value Filod Filod
Properties Informations Information Name (2 Unknown Multicast Action IP Unknown Multicast Action IPv4 Forward Method		Information Value Flood Flood MAC
Proporties Informations Information Name 2 Unknown Multicast Action IP Unknown Multicast Action IPv4 Forward Method		Information Value Flood Flood MAC
Progenties Informations Information Name 2 Unknown Multicast Action IP Unknown Multicast Action IPV4 Forward Method		Information Value Flood Flood MAC
Propuerties Informations Information Name 2 Unknown Multicast Action IP Unknown Multicast Action IPv4 Forward Method		Information Value Flood Flood MA.C

5.3.6.2 IGMP Snooping

Use the Switching pages to configure settings for the switch network interface and how the switch connects to a remote server to get services.

IGMP Setting

To display IGMP Setting web page, click Switching > Multicast > IGMP Snooping > IGMP Setting

	IG	IP SI	nooping								
- 10	GMP S	noopi	ng								
			IGMP Snot	ping Status		Enabled	Disabled				
-			IGMP Snoo	ping Version		@ v2 (C)	v3				
atara a		1	GMP Snooping R	eport Suppre	ssion	C Erabled	Disabled				
Inner:		_									
	Apply										
anti-	TLAT	snoopi	ng minimatings								
Commer Getting	Info	matio	n Name					Informatio	n Value		
Rabe Group	IGM	Snool	ning Status					Enabled			
Courter Setting	IGM	Snooj	oing Version					v2			
Courter Table	IGM	Snoo	ping Report Suppr	ession				Enabled			
COCH LINDIE											
orward AL											
Investiged											
Throttling			_								
Threathing	* IGMP	Snóopi	ng table				_				
Forward All	• IGMP	Snóopí	ng Jable								
Volumi Ali Serverd Ali Threffing : Fritter: Servert Ali Servert Al	- IGMP	Shéopi VLAN ID	IGMP Snooping Operation Status	Router Ports Auto Learn	Query Robustness	Query Interval(sec.)	Query Max Response Interval(sec.)	Last Member Query count	Last Member Query Interval(sec)	Immediate Leave	Modif
viewand 41. Trivotting Trister s Table 2	* IGMP No.	VLAN ID	IGMP Snooping Operation Status Disabled	Router Ports Auto Learn Enabled	Query Robustness	Query Interval(sec.) 125	Query Max Response Interval(sec.)	Last Member Query count 2	Last Member Query Interval(sec)	Immediate Leave Disabled	Modif
Volumi - Jami Tredeting - Fider - s Table - t	- ICMP No.	Shàopi VLAN ID	IGMP Snooping Operation Status Disabled	Router Ports Auto Learn Enabled	Query Robust ness	Query Interval(sec.) 125	Query Max Response Interval(sec.) 10	Last Member Query count 2	Last Member Query Interval(sec) 1	Immediate Leave Disabled	Modif
Volumi 1 Aun Tredeting Filor 5 Table -	- ICMP	VLAN ID	IGMP Snooping Operation Status Disabled	Router Ports Auto Learn Enabled	Query Robustness	Query Interval(sec.) 125	Query Max Response Interval(sec.) 10	Last Member Query count 2	Last Member Query Interval(sec) 1	Immediate Leave Disabled	Modif
Voter I an Treating False 0 1 5 Table 0 5 5	* IGMP	VLAN ID	ng tablé IGMP Snooping Operation Status Disabled	Router Ports Auto Learn Enabled	Query Robustness	Query Interval(sec.) 125	Query Max Response Interval(sec) 10	Last Member Query count 2	Last Member Query Interval(sec) I	Immediate Leave Disabled	Modif

IGMP Snooping: Select the IGMP Snooping enable or disable.

IGMP Snooping Version: Select the IGMP Snooping Version, IGMPv2 or IGMPv3.

IGMP Snooping Report Suppression:Select the IGMP Snooping Report Suppression enable or disable.

IGMP Snooping Querier Setting

To display IGMP Snooping Querier Setting web page, click Switching > Multicast > IGMP Snooping > IGMP Snooping Querier Setting

IGMP Sno	oping Querier Setting			
IGMP Snooping	Ouerier Setting			
VLAN ID	Select VLANS			
Querier State	Barrisha Presidia			
Querier Version	England English			
Querier version	10 V2 UV3			
Apply				
- querter Status				
	and the second second			
VLAN ID	Querier State	Querier Status	Querier Version	Querier II
	The Contract of Co	Manuficiarian		
1	DISAMIAN	Participation and a second sec		
1	DISARIAN	anniquintin		
1	Dieselan			
1	Distance			
1	Disanlar	handdana		
1	Disaman			
1	Disanian			
1	DISTRICT			
1	101434164			
1	(Distance)			
1	LT IN A RULE			
1	(DISALLA			
-	LT IN A RULE			
-				
1				

VLAN ID: Select the VLANs to configure.

Querier State: Set the enabling status of IGMP Querier Election on the chose VLANs.

Enable: Enable IGMP Querier Election.

Disable: Disable IGMP Querier Election.

Version:Select the Querier Version,IGMPv2 or IGMPv3

IGMP Static Group

To display IGMP Static Setting web page, click **Switching > Multicast > IGMP Snooping > IGMP Static Group**

This page is used to configure specified ports as static member ports.

IGMP Stati	c Group		
IGMP Static Gro	up		
VLAN ID	seines VLANS		
Group IP Addres			
Member Ports	Select Ports -		
Add			
+ IDME Stavic Farm	ns		
VLAN ID	Group IP Address	Member Ports	Modify

IGMP Group Table

To display IGMP Group Table web page, click **Switching > Multicast > IGMP Snooping > IGMP** Group Table

This page is used to display IGMP Group Table statistics information.

IGMP Gro	up Table			
- IGMP Group To	ble			
		and the second		
VLAN 1D	Group IP Address	Member Parts	Туре	Life(Sec)
etting				
140				
ble				
WI I				
0				
-				
-				
-				
100				

IGMP Router Port Setting

To display IGMP Router Port Setting web page, click **Switching > Multicast > IGMP Snooping > IGMP Router Port Setting**

This page is used to configure specified ports as static route ports.

	IGMP Router	Port Setting			
Add	Router Port				
	VLAN ID	Select VLANS			
ng	Туре	Static O Forbidden			
Abon 6 Stat	ic Ports Select	Select Static Ports +			
Fort	d Ports Select	Called Control States -			
Appl	ly l				
etting	-				
Letter Group	outer Ports Status				
iman Table	LAN 10	Static Ports Sel	aire .	Forbid Borts Solart	Modify
outer Setting					
croward with					
Theothing					
Filter D					

ratue D					
Trable of					
a Table -					
o Table					
s Table - c					
Name of Control of Con					

IGMP Router Table

To display IGMP Router Table web page, click **Switching > Multicast > IGMP Snooping > IGMP Router Table**

This page is used to display IGMP Router Table statistics information.

Condition of the second of the				
	IGMP Router Tabl	e		
ik -				
Settion	- Oynamic Router Table			
Disabled	The second second second			
	VLAN ID	Port	Expiry Time (Sec)	
ogregation ent				
-11 - 4				
peme Pransoping, A	- IGMP Results Table			
24/ Setting	10 years	a huid for		
SMP Durne Sitting	VLANID	PortMask		
DHD Drmat Links				
GMF Router Setting				
CHP Rolder Table GHP Forward Al	+ Fordbluer pouter Table			
hault Throating	MIAN TO	BeetMash		
point Filter	VLAN IV	Furimuse		
	_			
3				
dress Table 🔹 👻				
Y 7				
nment 👻				
utics +				
10110				

IGMP Forward All

To display IGMP Forward All web page, click Switching > Multicast > IGMP Snooping > IGMP Forward All

IGMP For	ward All	
	and a second	
• KoMP Forward /		
with VLAN ID : 1		
gation Port	Membership	
GE1	🗇 Static 🗇 Forbidden 🖲 None	
GE2	🗇 Static 🗇 Forbidden 🔍 None	
Shocolina G E S	Static O Forbidden 🖲 None	
G E 4	🗇 Static 🔿 Forbidden 🖲 None	
P Quener Setting P Static Group G E S	🔿 Static 💭 Forbidden 🖲 None	
P Group Table G E6	🔿 Static 🖤 Forbidden 🤷 None	
P Router Setting G E7	Static O Ferbidden 🖲 None	
MP Forward All G E8	Static Serbidden Serbidden	
cast Throthing GE9	Static D Forbidden @ None	
ant Filter GE10	Static D Forbidden O None	
GE11	Static D Forbidden • None	
9 GE12	C Chang O Eachiddan 9 None	
ss Table .		

5.3.6.3 Multicast Port Max-Groups

To display Multicast Port Max-Groups web page, click **Switching > Multicast >Multicast Port Max-Groups**

This page is used to Limit the port can join one of the biggest Multicast instance.

Multicast	Port Max-Groups		
-	Lootion Cotting		
Max groups and	action setting	A	
tp type	Port select Max Groups	Action	
IPV4 🖌 Sele	rct Ports + 256 (0-256)	B Deny Replace	
Apply			
- IGME Port Max 0	roups information.		
sing 1			
Port	Max Group	s	Action
GE1	256		Deny
GE2	256		Deny
up Teble GE3	256		Deny
der Setting GE4	256		D eny
des Table GES	256		Deny
GE6	256		D eny
GE7	256		D eny
GE8	256		Deny
GE9	256		Deny
GE10	256		Deny
GE11	256		Deny
GE12	250		Deny
(F))	256		Denv
9613	16.00		

Multicast Filter

This page allow user to Create filter instance.

Multicast Profile Setting

To display Multicast Profile Setting web page, click **Switching > Multicast >Multicast Filter > Multicast Profile Setting**

Mult	icast Profile Setti	ng			
Add Profi	le				
	Ip Type	IPV4			
	Profile Index	1 (1-128)			
	Conun Loom				
	aroup rrom				
	Group to				
-	Action	Permit Deny			
- IGMP-Pr	nilla Status	Crown From	Crown to	Artico	Modifier
THREE	th the	Group Troin	aroup to	Action	moun y

Multicast Profile Setting

To display IGMP Filter Setting web page, click **Switching > Multicast > Multicast Filter >** IGMP Filter Setting

This page is used to Filter on the port to bind to that instance.

SAVE LOCUT REBORT R	19691						
Status e	IGMP Snoopi	ng Filter Setting					
Network .							
Switching *	IGMP Snooping Fil	ter Setting					
Part Sitting	Port Select F	liter Profile ID					
Enter Depableut	Select Ports +						
Reprint	<u> </u>						
Link Aggregation	Apply						
Mutical							
Uncerthe	- Port Filter Status						
10MP Snooping							
Multicol Christiling	Port	Filter Profile 10	Action				
Hubicast Father							
Carrier and Carrier							
Silitaria							
30MP Filter Setting							
- Londo Estima							
SIF							
HAT Address Table							
MAC Address Table 4							
Security e							
ACL •							
QoS e							

5.3.7 Jumbo Frame

To display Jum bo Frame web page, click Switching > Jumbo Frame

Halus	-	Jumbo Frame		
lotwork.				
witching	4	Jumbo Frame Setting		
Port Setting		Jumbo Frame (Bytes)	1522 (64.0216)	
Mirror Link Appregation VLAN Management	9 8 9	Аррђу		
Nulticast Junho Frank.	*	- Banko Franc Config		
STP	P	Information Name	Information Value	
AC Address Table	**	Junto Frane (Dytes)	1522	
curity.	- 17			
L	- 22			
18				
ina gement	-			
gnosties				
aintenance				

Jumbo Frame: Jumbo frame size. The valid range is 0 bytes – 9216 bytes.

STP

The Spanning Tree Protocol (STP) is a network protocol that ensures a loop-free topology for any bridged Ethernet local area network.

STP Global Setting

To display STP Global Setting web page, click Switching > STP > STP Global Setting

tatus	STP Global Setting		
intwork	*		
witching	Global Setting		
Port Setting Error Disabled Mirror	Enabled BPDU Forward	⊖Enabled @Dizable# ®Raedusg ⊖Rifering	
Link Aggregation	PathCost Method	Oshort Slong	
VLAN Management	Force Version	RSTP-Operation 🛩	
Junto France	Configuration Name	DE AD BE EF 01-02 (Min 22 character)	
STP Global Setting STP Port Setting CIST Instance Settin	Configuration Revision	0 (0.166536)	
STP Global Setting STP Port Setting CIST Instance Settin CIST Port Setting MST Instance Settin MST Port Setting CIP Statistics	Configuration Revision	0 (0.95535)	
STP Global Setting STP Port Setting CIST Instance Settin CIST Port Setting MST Instance Settin MST Port Setting STP Statistice	Contiguration Revision	0 (0.46536)	
STP Clobal Setting STP Port Setting CIST Port Setting CIST Port Setting MS1 Instance Settin MS1 Port Setting SID Statistica C Address Table	P Configuration Revision Apple	0 ((0 - 66536))	
STP Orbell Setting STP Port Setting CIST Instance Settin CIST Port Setting MST Instance Setting MST Port Setting STP Stabistice CAddress Table curity	Configuration Revision Apple Configuration Revision Configuration Revision STP Information Name STP BPBU Forward	0 (0 + 945 36) Information Value Disabled Fooling	
STP Global Setting STP Port Setting CIST Instance Betlin CIST Port Setting MST Port Setting MST Port Setting STP Statistics C Address Table curity	Contiguration Revision	Information Value Diseased Fooding Imag	
STP STP Droad Setting STP Port Setting CIST Instance Settin CIST Port Setting MST Port Setting STP Statution CAddress Table currly L S	Configuration Revision Apple For STP in formation Name For STP For DPUU Forward Cod Method Parce Version For Second	laformation Value Distance Distance Distance mage mage mage mage mage mage mage mag	
STP Orbani Setting STP Post Setting CIST hourse Settin CIST hourse Settin STP fort Setting MST Instance Setting STP Statistics C Address Table curity L S magement	Formulation Revision Augeb Augeb Information Name STP BDUB Forward Configuration Configuration Name To Configuration Name	Information Value Directed Fooding Inng Information OF-AD (0: 44636)	

Enabled: Set the STP status to be enabled/disabled on the Switch.

BPDU Forward: Choose BPDU packets is a flood or filtering

Path Cost Method : Choose the path overhead is short or long

Force Version: Select the operating mode of STP.

STP-Compatible: 802.1D STP operation.

RSTP-Operation: 802.1w operation.

MSTP-Operation: 802.1s operation.

Configuration Revision: Set the Revision of the Configuration Identification. (Range:0-65535).

STP Port Setting

To display STP Port Setting web page, click **Switching > STP > STP Port Setting**

atus 😁	STP Po	ort Setting					
twork o							
ritching 🖛	STP Port Se	tting					
Port Setting Error Disabled	Port Sele	ect External Path Co	st Edge Part BPDU Filte	BPDU Guard P2P MAC	Migrate		
ince p	Select Ports	- 0	No 💌 No 💌	No M			
LAN Management b uticast b unbo Frame	Apply	i.					
STP 0.	+ COL POST	11 Alten					
STP Port Setting	Port	Admin Enable	External Cost	Edge Port	BPDV Filter	BPDU Guard	P2P MAC
CIST Instance Setting	081	Enable	a	ND	Nó.	No	Vez
MST Instance Setting	082	Enable	a.	Mo	No	No	Ves
MST Port Setting	QE 3	Enable	0	No	No.	No	Ves.
STP Statistics	OE 4	Enable	0	No	No	No	Vez
	QE5	Enable	0	No	No	No	Ves
C Address Table 9	OE 6	Enable	0	No	No	80	Ves
aurity 👻	OE7	Enable	0	No	No	No	Vez
6 m	OEB	Enable	0	140	No	No	Ves
5 7	OES	Enable.	a	No	No	No	Vez
na gement 💎	0610	Enable	a	145	No	No	Vez
gnostics 🗢 👻	GE11	Enable	Ø	No	No.	No	Vez
intenance -	OE12	Enable	0	No	No	No	Vez
	GE13	Enable	0	No	No	No.	Ves
	OE14	Enable	0	No	No	No	Vea
	GETS	Enable	0	140	No	No	Vez
	0618	Enable	0	No	No	No	Vea
	0E17	Enable	0	140	No	No	Vec
	0818	Enable	0	No	No	No	Vez

Port Select: Select the port list to specify which ports should apply this setting.

External Path: Cost Set the port's contribution, when it is the Root Port, to the Root Path Cost for the Bridge. (0 means `Auto`).

Edge Port: Set the edge port configuration.

No: Force to false state (as link to a bridge).

Yes: Force to true state (as link to a host).

BPDU Filter: Set the BPDU Filter configuration.

No: Disable BPDU filter function.

Yes: Enable BPDU filter function.

To avoid transmitting BPDU from the specified ports.

BPDU Guard : Set the BPDU Guard configuration.

No: Disable BPDU guard function.

Yes: Enable BPDU filter function.

To drop directly the received BPDU from the specified ports.

P2P MAC: Set the Point-to-Point port configuration.

No: Force to false state.

Yes: Force to true state.

Migrate: Force to try to use the new MST/RST BPDUs, and hence to test the hypothesis that all legacy systems that do not understand the new BPDU formats have been removed from the LAN segment on the port(s).

CIST Instance Setting

To display CIST Instance Setting web page, click **Switching > STP > CIST Instance Setting**

tatus 😐	CIST Instance Setting		
etwork 🗢			
witching v	CIST Instance Setting		
Port Setting	Priority	32768	
Nirror Disables	Max Hops	20 (1-40)	
Link Aggregation D	Forward Delay	15 (4-30)	
Multicent p	Max Age	30 (6-40)	
Junibo Frame	Tx Hold Count	6 (1-10)	
and a second sec			
STP Glubal Setting STP Port Setting	Hello Time	2(1.10)	
STP Glubal Setting STP Port Setting CIST Instance Setting MST Instance Setting MST Port Setting MST Port Setting STP Statistics	Hello Time Apply - CIST MALANCE WTOTMALLINE	(2	
STP Glubal Setting STP Port Setting CIST Instance Setting CIST Port Setting MST Instance Setting MST Port Setting STP Statistics	Hetro Time Apply • CIST INSTANCE INTO MILLION Information Herm	2 (1.10)	
STF Gruhni Setting STP Port Setting CIST Instance Setting CIST Port Setting MST Instance Setting MST Port Setting STP Statistics	Hetto Time Apply • cliff mitrance automotifan Information Hane Priority	2 (1.10) Information Value (22768	
STF Grubal Setting STF Port Setting CIST instance Setting UST Instance Setting MST Port Setting STF Stalistics AC Address Table * curry *	Hélio Time Apply Chill Burkey Balance Information Hanse Priority Max Rope	2 (1.10) Information Value 12768 20	
STE Grahal Setting STE Pert Setting CIST Initiance Setting UST Initiance Setting NST Initiance Setting NST Pert Setting STE Statistics AC Address Table ** curry -	Hetro Time Apply • CIST Wittake Witermetion Information Name Priority Mas Ropa Forward Delay	2 (1.10) Information Value 12768 20 15	
STP Orlabul Setting STP Port Setting CIST Instance Setting INST leatance Setting MST Port Setting STP Statusice AC Address Table CCL =	Hetto Time Apply City Margock whom allow Information Hame Priority Max Hope Proverd Datay Max App	2	
STP Orlabel Setting STP Port Setting CIST Practice Setting CIST Port Setting VET Instance Setting VET Instance Setting VET Port Setting STP Situation Addresse Table • St · st ·	Hélio Time Apply C CIST WIT LUCC WITH MILLON Information Hame Priority Max Nops Forward Dulay Max Age Ta Held Count	2(1.10) Information Velue 52768 20 15 20 6 20	

Priority: Set the Bridge Priority in the specified CIST instance

Max Hops: Set the value of the maximum number of hops in the region.

Forward Delay: Set the delay time an interface takes to converge from blocking state to forwarding state.

Max Age: Set the time any switch should wait before trying to change the STP topology after unhearing Hello BPDU.

Tx Hold Count: Set the Transmit Hold Count used to limit BPDIU transmission rate.

Hello Time: Set the interval between periodic transmissions of BPDU by Designated Ports.

CIST Port Setting

То с	lisp	lay CIST	Port	Setting v	web	page,	clic	k Switc	hing >	STP	> CIS	T Port	: Settir	ng
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SAVE LODGOT REBOOT REPORT	100													
Status	CIS	T Port Se	tting											
etwork o														
witching	CIST Po	rt Setting	_	_	_									
Port Setting Error Disabled	Port	Select	Priority 1	internal Pa (0 = Au	th Cost (o)									
Link Aggregation 5	Select Po	175 -	128 🔛	B										
VLAN Management b Multicast b Junio Franje	Apply													
STP P	- 057 0	NOTESTANDA												
STP Global Setting STP Port Setting CIST Instance Setting CIST Port Setting	Port	Indentifier (Priority / Port Id)	External Path Cost Conf/Oper	Internal Path Cost Conf/Oper	Designated Root Bridge	External Root Cost	Regional Root Bridge	Internal Root Cost	Designated Bridge	Internal Port Path	Edge Port Conf/Oper	P2P MAC Conf/Oper	Port Role	Port State
MST Instance Setting					Inc.			-	0.1	Cost				
MST Fort Setting	OE1	128 / 1	0/20000	0/20000	00:00:00:00:00:00	0	00:00:00:00:00:00	0	00:00:00:00:00 00	20000	No FNo	Auto / Ne	Disabed	Disabled
STP Stenatica	QE 2	128 / 2	0/20000	0/20000	0 / 00 00 00 00 00 00	0	0 / 00.00:00:00:00:00	0	0 / 00:00:00:00:00:00	20000	No / No	Auto / No	Disabed	Disabled
AC Address Table 🗢	-96.3	128 / 3	0/20000	0/20000	0 / 00 00 00 00 00	9	0 / 00 80 00 00 00 00	0	0.7	20000	No / No	Aute J Ne	Disabed	Disabled
CL **	OE4	128 / 4	0 / 20000	0/20000	0 / 00 00 00 00 00 00	0	0 / 00 00 00 00 00 00	0	0 / 00.00.00.00.00	20000	tio / No	Auto / No	Disabled	Disabled
anagement 👳	0E5	128 / 5	0 / 20000	0/20000	0 / 00 00 00 00 00 00	Ð	0 / 00:00:00:00:00	0	0/	20000	No / No	Auto / No	Disabed	Disabled
agnostics 🗢	006	120/6	0 / 20000	0 / 20000	0 / 00 00 00 00 00 00	ġ.	07	6	01	20000	No I No	Auto J No	Disabed	Disabled
	GE7	128 / 7	0 / 20000	0 / 20000	0 / 00 00 00 00 00 00	0	0 / 00 00 00 00 00 00	0	07	20000	No / No	Auto J No.	Disabed	Disabled
	06.8	128 / 8	0 / 20000	0/20000	0 / 00 00 00 00 00 00	a	1.0	a	0 / 00 00 00 00 00 00	20000	No / No	Auto / No	Disabed	Disabled
	089	128 / 9	0/20000	0/20000	0 / 00 00 00 00 00 00	Q	0 / 00 00 00 00 00 00	0	0 / 00:00:00:00:00	20000	No / No	Auto / No	Disabed	Disabled
	OE10	128 / 10	0 / 20000	0/20000	0 / 00 00 00 00 00 00	0	0.7	0	0/ 00 00 00 00 00	20000	No / No	Auto / Ves	Disabed	Forwarding

Port Select : Select the port list to specify which ports should apply this setting.

Priority: Set the Port Priority to the selected ports in the specified CIST instance.

Internal Path Cost: Set the Internal Path Cost to the selected ports in the specified CIST instance. (0 means `Auto`)

MST Instance Setting

To display MST Instance Setting web page, click Switching > STP > MST Instance Setting

	MST Instance Setting			
Switching ~	MST Instance Setting			
Port Setting Error Disabled Nirror p Link Aggregation b VLAN Management b Muticatt b Jumbo Freme STP b	MSTHUD (S.15) V.AN Liet (S. Apply + RST Instance Setting Information	1094) Priority 32768 %		
STP Clobal Setting STP Port Setting CIST Instance Setting CIST Port Setting	MST) Status	VLAN LIN	YLAH Count	Priority
MST Port Setting	- 457 Instance Status			
TH Statistics	Information Name	Industry of the Manhard		
are automatica		intomation value		
AC Address Table	MISTI ID	1		
AC Address Table +	MSTI ID Regional Root Bridge	1 normation value		
AC Address Table 👳	MSTEID Regional Root Bridge Internal Root Cost	5 -1-		
AC Address Table 🔫 scurity 🔫	MSTI ID Regional Root Bridge Internal Root Cost Designated Bridge	1 1 1 1 -f= -f= -j_=		
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AC Address Table v ecutity v CL v os v ana generative	MSTI 10 Regional Root Bridge Internal Root Coal Designated Bridge Root Port Mas Age	ಷಣರಗಳನ್ನು ಕಾರ್ಯ 1 ಸರ್ -/- -/- -/- -/- -/-		
AC Address Table * ecutiv * CL * os * enspement * enonoce *	ASTI 10 Regional Root Bridge Internal Root Cost Designated Bridge Root Port Max Age Forward Delay	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
AC Address Table 7 iecution 7 iccle 7 io5 7 fana gement 7 isgnostics 7 kindenance 7	MSTI ID Regional Root Pridge Internet Root Cod Designated Dridge Root Port Max Age Forward Delay Romainging Napa	1 1 1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4		

MSTI ID: Set the MSTI ID to specified the MST instance.

VLAN List: Set the VLAN List.

Priority: Set the Bridge Priority in the specified MST instance.

MST Port Setting

To display MST Port Setting web page, click Switching > STP > MST Port Setting

Statua	MST	Ports	Setting							
Network 🗢	-									
Switching 👳	MST Port	Setting	1							
Post Setting Error Disabled	MST	4D	Part Sele	nct Priority	internal Path Cost (0 = Auto)					
Mirror P Link Appregation P	1		Select Ports	128	0					
VLAN Management D Muticaat D Jumbo Franz	Apph									
STP Dichel Setting	- HST P	9¥ 51610	•							
STP Port Setting CIST Instance Setting CIST Port Setting	MS TI	Port	Indentifier (Priority / Port Id)	Internal Path Cost Conf/Oper	Regional Root Bridge	Internal Root Cost	Designated Bridge	Internal Path Cost	Port Role	Part State
MST Instance Setting	1	OE T	128/1	0/-	-die		-f=	-	-	-
MST Port Setting	1	OE 2	128/2	0/		-		+	-	-
STP Statistics	1	DE 3	128/3	0/			wfor .	-	-	**
	1	OE4	128/4	01	and so.	-	infor	-		14
AC Address Table O	1	OES	120/5	0/		-	refer	44	-	-
ecurity -	1	GER	128/6	0/-	mber	-	nte	-	-	-
CL	1	DE7	120/7	0/-	-In	-	ale	-	Î.	4
oS 👳	1	020	120/8	0/-	de	-	ale	4	-	-
lana gement 👳	1	DEB	128/9	01	ala	-	whee	-	1	
iegnoolice 🗢 🗢	1	GE 10	120/10	0/	ala	2	infor		-	2
laintenance 🚽	1	OE 11	120/11	0/	ulu.	-	infa.	++	-	44
		0812	128/12	0/	wheel .	-	ate	-	+	4
		0213	120/12	0/-	-de-		-1-	-		-
	1	OE 14	120/14	0/	ala	-	nla	-	-	**
	1	GE15	128/15	0/	-1-	-	+f=-	-	-	-
	1	0E10	128/16	0/	ساليد	-	4/4	#	-	4
		1.010	075005	25						

MST ID: Set the MSTI ID to specify MST instance.

Port Select : Select the port list to specify which ports should apply this setting.

Priority: Set the Port Priority to the selected ports in the specified MST instance.

Internal Path Cost: Set the Internal Path Cost tot he selected ports in the specified MST instance. (0 means `Auto`)

STP Statistics

To display STP Statistics web page, click Switching > STP > STP Statistics

tatus	-	STP St	atistics					
letwork	-							
iwitching	*	- STE STATUT	line					
Port Setting Error Disabled	P	Port	Configuration BDPUs Received	TCH BDPUs Received	MSTP BDPUs Received	Configuration 80PUs Transmitted	TCH BDPUs Transmitted	MSTP BDPUs Transmitted
Link Aggregation	D	OE1	Ú	0	a	0	0	0
VI. AN Management	Ð.	OE 2	0	0	0	a	0	0
Multices!	P	063	0	0	0	0	0	0
STP	P	QE 4	0	0	0	0	0	0
OTE Clubst Calling		GES	0	0	0	0	0	0
STP Port Setting	21	QE 6	q	0	0	0	0	0
CIST Instance Sett	ling	067	0	0	0	a	0	0
CIST Port Setting		OEB	Ū.	0	0	0	0	10
MST Instance Sett	ing	0E 9	0	0	0	0	0	0
STP Statistics		0E10	n	0	0	a	0	0
		GE 1 Y	0	Ó	0	0	0	0
AC Address Table	*	0E12	ø	0	0	0	0	0
curity	÷	0613	0	0	a	0	0	0
il.	-	GE14	0	0	0	0	0	0
as .	-17	0E15	0	0	ů.	٥	0	0
anagement	-	0E16	0.	0	9	0	0	0
egnostics	÷	0617	â	0	u	0	ú	0
aintenance	-	0E18	0	0	0	0	0	0
		OE19	0	0	Ú.	0	0	0
		GE 20	Û	0	U	U	0	0
		0E21	0	0	8	8	0	0
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		0623	ú	0	ô.	¢.	ú.	0
		08.24	Û.	0	a .	0	0	0

5.4 MAC ADDRESS TABLE

Static Mac Setting

To display Static Mac Setting web page, click Mac Address Table > Static Mac Setting

atua	Static MAC	10					
work 👻							
witching –	Static MAC Settin						
AC Address Table 👳	MAC Address	Port	VLAN				
Static MAC Setting	00.00.00.00.00.0000	051	delegates)				
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Setting Departure Learned	Ann						
RMA Setting	- MILLING WAR STAT	48					
tMA Setting contly →	+ Mark-WAC State	48					
CMA Setting	Mark-WAC State	MAC Address			Port	VLAN	Delete
RMA Setting Teanity == CL === PS ===	HO.	MAC Address DE-AD-BE-EF-01-82			Port	VLAN default(1)	Delete
tMA Setting curity → L ~ S ~ nsgement →	+ WATE WAT NAM	MAC Address DE-AD-BE-EF-D1-B2			Port CPU	VLAN Gebut(1)	Delete
And Setting Accurity ↔ CL ↔ ans gement ↔ agnostics ↔	He.	MAC Address DE-AD-BE-EF-D1-B2			Port CPU	VLAN Gebaut(1)	Deteto

MAC Address: The MAC address to which packets will be statically forwarded. If Type is unicast, enter unicast MAC address in this field; If Type is multicast, enter multicast MAC address in this field.

Port: If Type is unicast, select the port number of the MAC entry; If Type is multicast, select the port list of the MAC entry.

VLAN: The VLAN ID number of the VLAN on which the above MAC address resides.

MAC Filtering

To display MAC Filtering web page, click Mac Address Table > MAC Filtering

us	MAC Filterin	ig line		
vark 🗢				
ching 👳	MAC Filtering Sett	ing		
Address Table 🗸	MAC Address	VLAN (1-4094)		
atic MAC Setting	00 00 00 00 00 00 00			
C Filtenng	100.001 00.001 0 0 m	15		
namic Address tling namic Learned (A Setting	Add			
urity 🤝				
	No.	MAC Address	VLAII	Action
7				
- tranaga				
nostics				
demonstration of the second				

MAC Address: The MAC address to which packets will be filtered. This must be a unicast MAC address.

VLAN: The VLAN ID number of the VLAN on which the above MAC address resides.

Dynamic Address Setting

To display Dynamic Address Setting web page, click Mac Address Table > Dynamic Address Setting

This page is used to set the MAC address of the aging time to study

EAVE LODGUT REED	ICT REFR	ESH		
Stelus	-	Dynamic Address Setting		
Switching	*	Provide Address Provide		
MAC Address Table		Anter Time The Charles in the		
Static MAC Setting MAC Filtering		Agend - 1010 - 1010 - 1010 - 0101		
Dynamic Address Setting		APR A		
Dynamic Learned RMA Setting	- 1	+ Dyngmic address Malus		
Security		Information Name	Information Value	
ACI,	17	Aging time	500	
005				
Management	*			
Disgnostics				
Maintenance	2			

Aging Time: Set the time needed for aging

Dynamic Learned

To display Dynamic Learned web page, click Mac Address Table > Dynamic Learned

Network v switching v MAC Address Table v Static MAC setting Dynanic Address Sytem Dynanic Learnad	GE1 default et diess balon 00.00 00 00 00 Clear	3				
ARC Address Table • Oraci ARC Address Table • Orac Static MAC Setting Dynamic Address Setting Dynamic Learned	GE1 default de	3				
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Dynamic Address View Setting Dynamic Learned	Clear					
Dynamic Learned						
RMA Setting	c Address information					
scurity	la l					
CL 👻	L		-			
S W	C Address	VLAN	Type	Port		
nagement - 00	E0:53.08:02:32	detaut(1)	Dynamic	0E.24	And in State. NAC table	
agnostics 08	60.66 FO.3F AD	detault(1)	Dynamic	GE10	Add to Static MACtable	
aintenance 🗢						
T	tal Entries					

Port: Select the port number to show or clear dynamic MAC entries. If not select any port, VLAN and MAC address, the whole dynamic MAC table will be displayed or cleared.

VLAN: Select the VLAN to show or clear dynamic MAC entries. If not select any port, VLAN and MAC address, the whole dynamic MAC table will be displayed or cleared.

MAC Address: Select the MAC address to show or clear dynamic MAC entries. If not select any port, VLAN and MAC address, the whole dynamic MAC table will be displayed or cleared.

RMA MAC Address

To display RMA MAC Address web page, click Mac Address Table > RMA MAC Address

Status	-	Reserved MAC Addr	Reserved MAC Addresses					
Retwork								
Switching		Reserved MAC Addresses S	etting					
MAC Address Table	*	MAC Address	Select MAC Adufress +					
Static MAC Satting MAC Filtering		Action	ORees @Bridge ODiscard					
Dynamic Address Setting Dynamic Learned		Apply						
RM A Setting								
Security	-	- Reserved WAC Addresses C	untig					
ACL		MAC Address		Action	Delete			
995	*							
	-							
Mana gement								
Management Diagnostics								

5.5 SECURITY

Use the Security pages to configure settings for the switch security features.

Storm Control

Global Setting

To display Global Setting web page, click Security > Storm Control > Global Setting

	Storm Control Global			
twork 9				
vitching 🔫	Storm Control Global Setting			
AC Address Table	itely in the second s	A 0.		
curity -	UNIC	(2.001 (3.00)		
storm Control	Preamble & IFG	SEveluges O Includes		
PRANAL Property	Annh			
Part Setting				
RUZ 1X DHCP Snooping	- starni Canreat Gladial Information			
Port Security	Information Name		Information Value	
AAA	Unit		bps	
Radius Server	Preamble & IFG		Excluded	
ACCASS	2			
and an mant in				

Unit: Choose to storm control unit is the pps or bps

Preamble & IFG: Select the rate calculates w/o preamble & IFG (20 bytes).

Excluded: exclude preamble & IFG (20 bytes) when count ingress storm control rate.

Included: include preamble & IFG (20 bytes) when count ingress storm control rate.

Port Setting

To display Port Setting web page, click Security > Storm Control > Port Setting

tatus	-	Storm	Control					
etwark	-	And and a second						
switching	-	Storm Cont	nol Setting					
AAC Address Table		Dort	Dort Stat	e Action	Tune Enable	Pate (anit-16Khna)		
ecurity	+	Full	Port Sta	e Action	Type chante	have former for appay		
Storm Control			(D) Dist ability		LI Broadcast	1 Secto		
Clobal Satima		Select Porta	OEnable	drop 😬	Unknown Multivast	TANK TANK		
Part Setting					Unknown Unicast	Tryents		
055 AV		-		-				
DUC IN	P	Apply						
price anopping								
For Seconty								
AAA	D	- Starmi Cal	ntrát information:					
TACACS+ Server			a a contra company					
Radius Server		Port	Port State	Broadcast (1	6Kbps)	Unknown Multicest (16Kbps)	Unknown Unicast (16Kbps)	Action
ACCESS	P	GE 1	disabled	0#(10000)		Off (10000)	011 (10000)	Drop
CL	-	082	disatied	011 (10000)		Off (10000)	OH (10000)	Decal
oS	4	083	signatied	011 (10000)		OH (10000)	OH (10000)	bropi
lana gement		GE 4	disabled	011 (10000)		Off (10000)	OH (10050)	Drost
agnostics	*	GES	disable d	0#(10000)		OH (10000)	Off (10000)	Drop
laintenance	*	QE 6	disabled	011 (10000)		OH (10000)	Off (10000)	Drop
		QE7	disabled	011(10000)		Off (10000)	011 (10000)	Drop
		0E8	disable d	0#(10000)		Off (10000)	0#(10000)	Drop
		059	disable d	Off (10000)		0# (10000)	Off (10000)	Drog
		GE10	disabled	011 (10000)		Off (10000)	011 (10000)	Drop
		GE11	disable d	Off (10000)		Off (10000)	0# (10000)	Drop
		0E12	disable d	041 (10000)		Off (10000)	OH (10000)	Drop
		OE13	disabled	Off (10000)		Off (10000)	0# (10000)	Dropt
		ÚE14	disatted.	011 (10000)		Off (10000)	011 (10000)	Dropi
		GE 15	disabled	017 (10000)		07 (10000)	Off (10000)	Drop
		OFIE	disabled	0.000000		00 (10000)	011 (199900)	Dean

Port: Select the setting ports.

Type Enable: Select the type of storm control.

Broadcast: Broadcast packet.

Unknown Multicast: Unknown multicast packet State.

Unknown Unicast: Unknown unicast packet.

Rate: Value of storm control rate, Unit: pps (packet per-second) or Kbps (Kbits per-second) depends on global mode setting. The range is from 0 to 1000000.

802.1X

802.1x is based on the Client/Server access control and authentication protocol. It can restrict the unauthorized users or devices to connect the access port visit the LAN/WLAN. Before getting the mission from the switch or LAN, the 802.1x will check the users or devices that connect with the switch ports. Before the devices or users pass the exam, it only accept the EAPoL data connect with the switch; but after it passes it, the ordinary data all can be transmitted through Ethernet ports.

802.1X Setting

To display 802.1X Setting web page, click Security > 802.1X > 802.1X Setting

SAVE LOCOVE REDOOT REPRI	BH .		
Statua 🎂	802.1x Setting		
Network 🗢			
Switching .	802.1x Setting		
MAC Address Table 9	802.1X	Dirable O Enable	
Security +			
Storm Control D- 802 1X D-	Αμφηγ		
802 1X Setting 802 1X Port Setting	- 402,25 Informations		
Guest VLAN Setting	Information Hame	Information Value	
Avine micaleo Hoass	802.1X	Dicabled	
Port Security			
4 444			
ACACS+ Server			
Radius Server			
ACCOST D			
ici. 🗢			
as -			
tana gement 🧰			
liegnostice 🙂			
Maintenance =			

802.1X: Set the enabling status of 802.1X functionality.

Enable: Enable 802.1X.

Disable: Disable 802.1X.

802.1X Port Setting

To display 802.1X Port Setting web page, click Security > 802.1X > 802.1X Port Setting

A CONTRACTOR OF A CONTRACTOR OFTA CONT		802.1x Port Setting								
Switching -		L	A A A A A A A A A A A A A A A A A A A							
Address Lable	803	2.1× Pe	rt Setting	_		-				
ie curity .			Port	Select Ports	-					
Storm Control			Mode	No Authentic	ation					
802 1%	5 R	leauther	stication Enable	@ Disable () Enable					
802.1X Setting	R	Reauther	ntication Period	3600	(Range 20 - 65526, Det	welt: 2600)				
B02.1X Port Setting		Qu	iet Period	60	Hange 0 .05535, Detault. 00)					
Authenticated Hosts		Suppl	icant Period	30	Range 1 +05535, Default 30)					
DHCP Snapping	D Ma	aximum	Request Retries	2	Range 1 (10, Detauff 2)					
AAA TACACS- Server	» [Apply								
Redus Sever Access	p	_								
Radius Server Access CL •		112.25	Puri Status							
Redius Server Ascess CL •		492525	Part Status							
Radius Server Access SL - SS -		Part	Part Status Mode (pps)	Status (pps)	Periodic Reauthentication	Reauthentication Period	Quiet Period	Supplicent Trimeout	Mex. EAP Requests	Modif
Radius Sener Access CL SS etia gement - egnostics -	b 7	Part OEt	Part Status Mode (pps) 807 1X Disabled	Status (pps)	Periodic Resuthentication	Reauthentication Period	Quiet Period	Supplicant Time out	Mex. EAP Requests	Modif
Radius Sener Access CL 4 IS 4 In agement 4 Agnostics 5 Inintenance 5	р т т т	Part OE t OE 2	Note (pps) 807.1X Disabled 802.1X Disabled	Status (pps)	Periodic Reauthentication Enablest Enablest	Resuttentication Period 3600 3600	Quiet Period 80 60	Supplicant Time out	Max, EAP Requests	Modif Edit Edit
Radius Sener Access CL 4 SS 4 ana gement 4 agnostics 5 sintenance 5	P 7 7 7	Port OE t OE 2 OE 3	Node (pps) 802 1X Disabled 802 1X Disabled 802 1X Disabled	Status (pps)	Periodis Resuthentication Enabled Enabled	Reauthentication Period 3800 3800	Quiet Period 60 60 60	Supplicant Time out 30. 30. 30.	Max, EAP Requests 2 2 2	Modif Eda Eda
Radius Server Azcest IL IS Ins gement Inse genestics Intenance	B 7 7 7 7	Part 0E t 0E 2 0E 3 0E 4	Port Status Mode (pps) 807 1X Disabled 802 1X Disabled 802 1X Disabled 802 1X Disabled	Slatus (pps)	Periodic ResultionIf cation Enabled Enabled Enabled Enabled	Resultentication Period 3600 3600 3600 3600 3600	Quiet Period 60 60 60 60	Supplicent Timeout 30 30 30 30	Mes. EAP Requests 2 2 2 2	Modif Edit Edit Edit
tadus Saner Lacest L S na gement agnostica - tintenance -	P	Port OE t OE 2 OE 3 OE 4 OE 5	Pert Status Mode (pps) 802 1X Disabled	Status (pps)	Periodic Resultientication Enabled Enabled Enabled Enabled	Resultentication Period 3600 3600 5600 5600 5600 5600	Quiet Period 60 60 60 80	Supplicent Time out 30 30 30 30 30 30	Mss. EAP Requests 2 2 2 2 2	Modif Edit Edit
Kadus Sarver Access IL 9 10 gement 9 agnostice 9 11 intenance 9	5 7 7 7	Port 0E1 0E2 0E3 0E4 0E5 0E5	Périt Stration Mode (pps) 802 1X Disabled 802 1X Disabled 802 1X Disabled	Status (pps)	Perilódis Resultentisation Enabled Enabled Enabled Enabled Enabled Enabled	Reauthenification Period 3600 3600 3600 3600 3600 3600	Quiet Period 60 60 60 60 60 60 60	Supplicent Timout 30 30 30 30 30 30 30	Mor. EAP Requeste 2 2 2 2 2 2 2 2 2 2 2 2 2	Modif Edit Edit Edit Edit Edit
Radius Sarner Access CL	5 7 7 7	Port 0E1 0E2 0E3 0E4 0E5 0E5 0E7	Périt Stratou Mode (pps) 802 1X Disabled 802 1X Disabled 802 1X Disabled	Status (pps) - - - - - -	Periodis Resultentication Enabled Enabled Enabled Enabled Enabled Enabled	Reauthentication Period 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800	Quiet Period 60 60 60 60 60 60 60 60 60	Supplicent Timeout 30 30 30 30 30 30 30 30	Mex. EAP Requests 2 2 2 2 2 2 2 2 2 2 2 2	Modif Eda Eda Eda Eda Eda Eda Eda
Kadus Sarare Ascess CL = 0 oS - 1 ang genet - 1 ingnostics - 1 aintenance - 1	5 7 7 7 7 7 7 7	Port OE1 OE2 OE3 OE4 OE5 OE5 OE5 OE5 OE5	Pert Status Mode (ppu) 802 1X Disabled 802 1X Disabled	Slatus (pps)	Periodic Resuthentication Enabled Enabled Enabled Enabled Enabled Enabled Enabled	Reauthentication Period 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600	Guiet Period 60 60 60 80 80 80 60 60 60 60	Supplicent Timeout 30 30 30 30 30 30 30 30 30 30 30 30 30	Mes. FAP Requests 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Modif Cda Cda Cda Cda Cda Cda Cda Cda Cda Cda

Port: Select the ports to configure their authentication mode.

Mode: The authentication mode.

Force Unauthorized: Force this port to be unconditional unauthorized.

Force Authorized: Force this port to be unconditional authorized.

Authentication: 802.1X authentication.

No Authentication:802.1X disabled.

Reauthentication Enable: Set the enabling status of 802.1X reauthentication.

Reauthentication Period: Set the reauthentication period of 802.1X if reauthentication is enabled.

Guest VLAN Setting

To display Guest VLAN Setting web page, click Security > 802.1X > Guest VLAN Setting

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twork 🗢							
itching 💎	Guest VLAN Setting						
C Address Table 🥺	Guest VI AN ID	T freese					
curity +							
itorm Control D	Guest VLAN port Setting	14					
02.1X P	Part Select Guest VLAN						
802 1X Setting	Select Parts · O Enabled O'Disa	ablac					
802 1X Part Setting							
Authenticated Hosts	Apph						
HCD Castellan							
on Security	Sources Mark Mark						
uta p	and the contraction						
ACACS+ Server	Port Name	Fnable State	In Guest VLAN				
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Authenticated Hosts

To display Authenticated Hosts web page, click Security > 802.1X > Authenticated Hosts

Status		Authenticated	Hosts			
Network	10					
Switching	-		0000			
MAC Address Table	-	- Automotive a Heat	Lines.			
Security	-	Deer Hame	Pert	Session Time	Authentication Method	MAC Address
Storn Control	Þ					
802.1X	Ð					
802.1X Setting						
002 1X Port Setting						
Quest VLAN Settin	a					
Authenticated Host						
Contraction of the second	-					
DHCP Shooping	1					
Port Security						
AAA	Þ					
TACACS+ Server						
Redius Server						
Access	Þ					
VGL	· · ·					
005	-					
Management	-					
Diagnostics	6					

DHCP Snooping

When the switch opens DHCP-Snooping, it will snoop DHCP message and receive DHCP Request and abstract and record the IP address and MAC address from DHCP ACK message. Besides, DHCP-Snooping admits one physical port setting as creditable port or discreditable ports. Creditable ports can receive and forward the DHCP Offer message, on the contrary, the discreditable port will lose the DHCP Offer message. In that way, the switch can pick out the fake DHCP Server and make sure that the client gets legal IP address from DHCP Server.

Global Setting

To display Global Setting web page, click Security > DHCP Snooping > Global Setting

This page is used to open DHCP Snooping function

TAKE TODOLL HEDOL HEHE	11) 1		
Status	DHCP Snooping Setting		
Network =			
Switching 🗢	DHCP Sneeping Setting		
MAC Address Table 🤝	DUCP Seesing	O Fasting B Dirabled	
ie curity -	offer encoding	Contract Constraints	
Storm Control 5 802.1X P DHCP Snoeping p	Аррау		
Global Setting	+ BHCP spooping informations		
VLAN Setting	Information Name	Information Value	
For Setting	DHCP Snooping	dinabled	
Rate Limit			
Option82 Global			
Setting			
Option82 Circuit-id Setting			
Post Sposety			
AAA D			
TACACS+ Server			
Radius Server			
Access D			
CL 👳			
eS -			
anagement			
lagnostics v.			
Maintenance			

DHCP Snooping: enable or disable DHCP Snooping function

VLAN Setting

To display VLAN Setting web page, click Security > DHCP Snooping > VLAN Setting

Specific VLAN starts DHCP Snooping

EVAG FOROIL SERIOL NEED	ECH.			
Status 😁 Network 😌	DHCP Snoopin	g VLAN Setting		
Switching &	DHCP Snooping VLAI	NSetting		
MAC Address Table ==	VLAN LIST	Status		
Security 🔶		The start of the start		
Storm Control () 602.1X () DHCP Shooping ()	Αρμήγ			
Global Setting VLAN Setting				
Part Setting	- DHCP INCODING VLA	e aetterg		
Rate Limit	VLAN LIN		Status	
Setting	No. VLAND		enabled	
Option82 Plot Setting Option82 Circuit-id Setting				
Port Security				
AAA b				
TACACS+ Server				
Access b				
CL v				
105				
lene griment 🤝				
liagnostics O				
Meintenence 🗢				

Port Setting

To display Port Setting web page, click Security > DHCP Snooping > Port Setting

This page allow user to make the specific port is configured for DHCP Snooping trust port.

Statue	DHCP Snoo	ping Port Setting		
le fwark 🤝				
Switching =	DHCP Snooping P	ort Setting		
MAC Address Table 😞	Part	Ivne Chaddr Check		
Security 👻	Select Paria	Realization Official Official Realization		
Store Control D		1 10-00 meres C on the Standing Constant		
802 1X D	Аррђ			
DHCP Snooping p				
Diobal Setting				
VLAN Setting	Distance in the second	The second second		
Statistics	- much anothing	POLISEUMO		
Rate Limit	Port	Туре	Chaddr Check	
Option82 Global Setting	OE+	Up Trusted	dizabled	
Option02 Port Setting	962	Un Trusted	dicabled	
Option#2 Circuit-et	063	Un Trusted	disquire a	
Samult	0E 4.	Un Trusted	disable d	
Port Security	08.6	Un Trusted	disable d	
TACACS+ Server	00.0	Un Trusted	disabled	
Redus Server	GE7	Un Trusted	ditabled	
Access D	00.0	Un Trutted	disable d	
ci =	0E8	Un Trusted	strabled	
o5 	OF 10	th Trusted	disable d	
fana gement	GE11	Un Trusted	dirable d	
lagnostice -	0812	In frusted	disabled	
laintenance -	QE13	Un Trusted	disable d	
A	QE14	Un Trusted	dizabled	
	QE15	Un Trusted	disable d	
	QE16	Un Trusted	disable d	
	QE17	Un Trusted	disabled	

Statistics

To display Statistics web page, click Security > DHCP Snooping > Statistics

This page statistics of each port of DHCP Snooping state information.

Status	DHC	P Snooping	Statistics			
Retwork 👳						
Switching 🥺						
MAC Address Table 🤝	- DHORM	IN COLUMN 21 NOTIN	in l			
Security +						
Steen Contani &	Clea	ar Relies	R.			
802.1X \$	Port	Forwarded	Chaddr Check Dropped	Untrust Port Dropped	Untrust Port With Option#2 Dropped	Invalid Dropped
DHCP Snooping b	OET	0	0	0	8	11
Global Setting	98.2	0	n	ú	0	ú
VLAN Setting	08.1	0	a	a	0	a.
Port Setting	OE 4	D	0.	a	Ó	ш
Statistics Rate Limit	QES	0	0	a	0	0
Option82 Global	OE 6	0	à) û	0	ó
Setting	687	0	0	0	0	0
Option82 Fort Solting Option82 Circuit-id	GE 8	0	0	0	0	0
Setting	08.9	0	0	a	0	0
Port Security	0E10	0	U	U	0	U
AAA	GETT	0	0	0	a	0
TACACS+ Server	0612	0	0	U	ù.	0
Andreas b	0613	0	ŋ	0	a .	4
	OE14	0	D	0	0	0
CL 🤫	0015	0	0	0	0	0
a\$ ~	0616	0	0	0	0	0
lana gement 😁	OE17	0	0	0	0	ø
agnostics 🦁	0E18	0	0	0	0	0
aintenance 👳	OE19	0	0	0	0	0
	0520	0	0	a	0	a
	06.21	0	0	Q	0	D.
	0E 22	0	0	0	0	0
	08.23	0	0	0	0	0

Rate Limit

To display Rate Limit web page, click Security > DHCP Snooping > Rate Limit

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SAVE LODGUT REBORT REBO	E201			
tatun 🥺	DHCP Rate Limit			
stwork 👳				
witching 🤤	DHCP Rate Limit Settin	a		
IAC Address Table 👳	Port	State	Rale Limit (ops)	
ecurity +	Select Ports			
Steen Control 5	SCHEET TOTO	Or Datasit Of Us ar Dation	(1+50 ppr)	
602.1X P	Anth			
DHCP Snooping p				
Global Setting				
VLAN Setting	- DHCP Rate Limit Cupt	(q		
Furl Setting	Port Rame		Rate Limit (ppsi	
Rote Limit	OET		United	
Option02 Olobal	OE2		Unlimited	
Setting Option82 Part Cetting	or a		Unlimited	
Option82 Circuit-id	OE4		Unlimited	
Setting	ots		Unlimited	
Port Security	OEB		Unlimited	
AAA P	OE 7		Unlimited	
Radius Server	QE 8		Unimited	
Access b	OES		Unlimited	
	GE 10		Unlimited	
	OE11		Unlimited	
ana dement on	OE12		Unheited	
and the second second	GE13		clinimit en	
	OE14		Union deal	
umenanse	GE15		Unlimited	
	0E10		Unlimited	
	QE17		tin limited	
	OE10		Wniimited	

Option82 Global Setting

To display Option82 Global Setting web page, click Security> DHCP Snooping > Option82 Global Setting

This page is used to configure DHCP Snooping support Option82 strategy.

tetus -	DHCP Option82 Glo	bal Setting	
n twork 🗢			
witching =	Option82 Global Setting		
IAC Address Table v	Remote ID 💿 De	auff Otte as. Define	
Storm Control D R02-1x D DHCP Snooping D	- Apply		
Global Setting VLAN Setting Part Setting	- Option #2 Global Setting		
Stotistics	Information Hame	Information Value	
Rate Limit Option82 Olobal Setting	Option#2 Remote ID	ne an be ert (2 (byta 3 donat)	
Option82 Circuit-id Setting			
Port Security			
AAA D			
TACACSY Server			
Access &			
CL +			
05 -			
lansgement -			
legnostics 🗢			

Option82 Port Setting

To display Option82 Port Setting web page, click Security> DHCP Snooping > Option82 Port Setting

To the specified port configuration of receiving containing Option 82 options request packet port handling strategy.

tatus	Option82 Port	Setting		
etwork e				
witching 2	Option82 Port Setting			
AC Address Table 🗢	Port	Enable Allow UnTrusted		
raunty -	Select Ports + (Enable @Disable Keep		
orm Control D		and the second sec		
4 X1	Apple			
IP Snooping b				
obal Setting				
LAN Setting				
fort Selling	· Option #2 Part Settin			
Rate Limit	and a	a subscription of the subs	and an	
Option82 Global	Pun	Chestin Chesti	Print Children Childr	
Setting	001	dirabipu	brop	
ption82 Circuit-id	OF 2	e sable a	Disk.	
etting	06.3	is tabled	Diep	
L Security	OE 4	disa bie d	Drop	
A b	OES	distabled	Drop	
CACS+ Server	00.6	dirabled	Drop	
dius Server	067	dizabled	Drop	
Jess p	GES	dizabled	Diop	
9	OE0	digabled	Dree	
-	QE10	disabled	Drop	
agement	OE11	dizabled	Drop	
nosties 😁	GE12	disabled	Drop	
tenance 👳	0813	shabled	Drop	
	0E14	ukrabled	Drop	
	0E15	disabled	Drop	
	OE16	ditabled	Drop	
	0E17	mahlad	Drop	

Option82 Circuit-ID Setting

To display Option82 Circuit-ID Setting web page, click Security> DHCP Snooping > Option82 Circuit-ID Setting

This page allow user to edit circuit ID content in the option82.

Status		Option82 P	ort Circuit-ID Setti	ng		
Network	4		A 12 11			
Mar Address Table		Option82 Port Ci	rcuit-ID Setting			
Seculty		Port	Vian	Circuit ID		
accurry.	-	Select Ports	* 🛛 1	Bostavil Oliser Define		
Storm Control 802 1X DHCP Segments	P	Арру				
Olobal Setting VLAN Setting						
Port Setting Statistics		- Op Lins 8.2 Part	setting.			
Rate Limit Option32 Global Setting Option52 Port Sett Option52 Circuit-Ic	ting 1	Part		VI.AH	Circuit 10	
Setting						
Port Security						
TACACS+ Server						
Radus Sener						
Access	4					
ACL	. 7					
QoS	+					
Mana gement	-					
Diagnostics	-					
Maintenance	-					

Port Security

To display Port Security web page, click Security> Port Security

Ports Security, it can set port isolation and specific behavior.

Intellinet

save unique menos	n heen	ESH						
Status	-	Port Security	· · · · · · · · · · · · · · · · · · ·					
Network.	÷	COLOR PROVIDENCE						
Switching	-	Part Security Settin						
MAC Address Table	-	Part Salart	Carturity	May 12 Entry	Action	Tran I	ranuancy (par)	
Security	-	Full Select	acuity	max L2 Entry	Action	Trapt	requercy (sec.)	
Storm Control	Þ	Select Inits	CEnabled.@Disabled	(See also	Forward			
002.1X DHCP Snooping	•	Apply						
AAA TACACS+ Server	÷	- Part Science av Stat	la K					
Radius Server		Port Name	Enable Sta	ta	L2 Entry Num		Action	Trap Frequency
Access	3	GE 1	Disabled		16303		Forward	4
ACL.	-	082	(Heabled		18382		Forward	
QoS		OF 1	Purabled		18181		Finnant	
Mana gement		084	Dreabled		16383		Forward	1
Diagnostics	-	055	Desebled		16383		Forward	
Maintenance		GEB	Dysabled		16383		Forward	-
		OE7	Disabled		16383		Forward	
		GEB	Disabled		16383		Forward	
		OE 9	Disabled		16303		Forward	-
		GE10	Disabled		16393		Forward	
		OE11	Disabled		16383		Forward	÷
		QE12	Depahled		16383		Forward	
		QE13	Disabled		16383		Forward	+
		0E14	Disabled		16383		Forward	-
		0E15	Disabled		16383		Forward	4
		QE 16	Disabled		10303		Forward	
		GE 17	Disabled		16303		Forward	
		GE10	Disabled		10303		Forward	10
		122.1.2			la secola de la constante de la		12 C	

Port Select: Select one or multipleports to configure.

Security: Port security function. It constraint how many MAC addresses can be learned by a port and drop new one when reach the limitation.

Enable: Enable port security function.

Disable: Disable port security function.

Max L2 Entry: The total number of MAC addresses entry which can be learn by a port.

AAA

Login List

To display Login List web page, click Security > AAA > Login List

This page allow user to add, edit delete login authentication list settings (The"default" list cannot be deleted.).The line combined to this list will authenticate login user by methods in this list. If the first method is failed, it will try to use the next priority method to authenticate if it exists.

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Status	++	Login Auth	entication	Lis	t				
Hotwork									_
Switching		New Authenticati	onList						
MAC Address Table		List Name	Method		Method 2	Methy	E be	Methor	
Security		List Hame			-	- second			100
Storm Control			Empty		mutty a	mpty	~	multy	0
802.18		Add							
DHCP Snooping									
Port Security			_	_					_
AAA	4	- Login Authenti	envion dista						
Login List		and Harris						rine.	
Enable List		LIN Hame				-	Methoe	LEIM	
Accounting Update		denoit				1,	oc.#I		
TACACS+ Server									
Access									
	-								
ACL	9								
Q05	*								
Mana gement	-								
Diagnostics									
Maladaman	100								

List Name: New login authentication list name. This name should be different from other existing lists.

Method 1: Select first priority of login authentication method.

Local: Use local accounts database to authenticate.

Tacacs+: Use remote TACACS+ server to authenticate.

Radius: Use remote Radius server to authenticate. Not supported now, it will besupported in the future.

Enable: Use local enable password to authenticate.

Method 2: Select second priority of login authentication method.

Local: Use local accounts database to authenticate.

Tacacs+: Use remote TACACS+ server to authenticate.

Radius: Use remote Radius server to authenticate. Not supported now, it will besupported in the future.

Enable: Use local enable password to authenticate.

Method 3: Select third priority of login authentication method.

Local: Use local accounts database to authenticate.

Tacacs+: Use remote TACACS+ server to authenticate.

Radius: Use remote Radius server to authenticate. Not supported now, it will besupported in the future.

Enable: Use local enable password to authenticate.

Method 4: Select forth priority of login authentication method.

Local: Use local accounts database to authenticate

Tacacs+: Use remote TACACS+ server to authenticate.

Radius: Use remote Radius server to authenticate. Not supported now, it will besupported in the future.

Enable: Use local enable password to authenticate

Enable List

To display Login List web page, click Security> AAA > Enable List

This page allow user to add, editor delete enable authentication list settings (The "default" list cannot be deleted.). The line combined to this list will authenticate user who issuing the enable' command by methods in this list. If the first method is failed, it will try to use the next priority method to authenticate if it exists.

Status	Enable Au	thentication List	
letwork 🗢			
iwitching 😞	New Authenticat	tion List	
AAC Address Table 👳	List Name	Method 1 Method 2 Mathod 3	
ecurity -			
Store Control	-	Empty Empty Empty	
102.1X	1.44		
DHCP Snooping p			
Port Security			
AAA P	+ trable Aumer	rtication 3 635	
Login List			
Enable List	List Name	Method List	Modify
Accounting List	detsut	enable	Edin
Accounting Update			
TACACS+ Server			
Redius Sener			
Access 5			
CL -			
ens gement -			
regnostics 🗢 🗢			
Avintenance -			

List Name: New enable authentication list name. This name should be. different from other existing lists.

Method 1: Select first priority of enable authentication method.

Enable: Use local enable password to authenticate

Tacacs+: Use remote TACACS+ server to authenticate.

Radius: Use remote Radius server to authenticate. Not supported now, it will besupported in the future.

Method 2: Select second priority of enable authentication method.

Enable: Use local enable password to authenticate

Tacacs+: Use remote TACACS+ server to authenticate.

Radius: Use remote Radius server to authenticate. Not supported now, it will besupported in the future.

Method 3: Select third priority of enable authentication method.

Enable: Use local enable password to authenticate.

Tacacs+: Use remote TACACS+ server to authenticate.

Radius: Use remote Radius server to authenticate. Not supported now, it will besupported in the future.

Accounting List

To display Accounting List web page, click Security> AAA > Accounting List

This page allow user to add, editor delete accounting list settings (The "default" list cannot be deleted.). The line combined to this list will accounting user who entering CLI shell by methods in this list. If the first method is failed, it will try to use the next priority method to accounting if it exists.

etus	Exec Acco	unting List					
work 🗢	1000000000000						
tching 🧇	New Accounting	List					
C Address Table 👳	List Name	Bacard Tune	Mathed 1	Mathod 2			
curity -	Cist Hume	None w	None +	None			
Identi Controli p 32.1% b HCP Snooping b ort Security	Add						
P P	- Even Accountin	ing Little					
Login List Enable List	List Name		Record Type		Method 1	Method Z	Modity
Accounting List	detault		0008		ndoe	none	£.01.0
Accounting UpdMe ACACS+ Server Indius Server Nocess D							
it •							
s *							
negement -							
agnostics o							
intenance							

List Name: New accounting list name. This name should be different from other existing lists.

Record Type: Select accounting record type.

none: No accounting.

start-stop: Record start and stop without waiting.

stop-only: Record stop when service terminates.

Method 1: Select first priority of exec accounting method.

Tacacs+: Use remote TACACS+ server to accounting.

Radius: Use remote Radius server to accounting. Not supported now, it will besupported in the future.

Method 2: Select second priority of exec accounting method.

Tacacs+: Use remote TACACS+ server to accounting.

Radius: Use remote Radius server to accounting. Not supported now, it will besupported in the future.

Accounting Update

To display Accounting Update web page, click Security> AAA > Accounting Update

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atus	**	Accounting Update			
work					
tching	-	Accounting Update			
C Address Table	-	State	B Distance Completes		
urity	-		C LALING C LAUNT		
orm Control	D	Preamble & IF G			
02,1X	Þ	Augh			
HEP Snooping	Þ	- Anna			
ort Security					
AA	p.	· Accounting Opdate Information			
Login Litt		Received and a second		Terretoria	
Enable List		Information Kame		Information Value	
Accounting List		State		disabled	
	-	Periodic (min)		T	
ACACS+ Server					
locean	D				
4					
5	7				
be gement	**				
agnostics	-				
aintenance	**				

Tacacs+ Server

To display Tacacs+ server web page, click Security> AAA >Tacacs+ server

Status Tacacs+ server settings Ketwork Switching Use Default Parameters MAC Address Table IP Version minn 8 Version d Security Key String (0/128 ASCII Alphanometic Charaster Used) Storm Control 802.1X DHCP Snooping Port Security AAA Timeout for Reply 111 (Range 1 30, Dafault. 5) Apple Login Lits Enable List Accounting List Accounting Update New Tacacs+ Server Server Definition Bylf address Diename TACACS+ Server Redius Server Access Server IP Server Port 49 (0 - 05535) Server Key Us e Dataun ACL QóS Server Timeaut E Us . Defauit (1.10) (Å - 55535) Mana gement Server Priority Diagnostics Add Maintenance IP Address Port Key Time Priority Modify

This page allow user to add, edit or delete TACACS+ server settings.

Radius server

To display Radius server web page, click Security > AAA > Radius server

This page is used to set about radius server.

Radius ser	er setting	5			
etwork 😪					
witching Use Default Parat	neters				
AC Address Table 9	Versi	nn 8 Veision 4			
Retries	3	(*	lange 1 - 10. Detau	1(-3)	
Starm Control D S02 1X D Timeout for Re	pty D	1.0		etault. 3)	
OHCP Shouping D Dead Time	0	m	in . (Range Q + 2000	Datault 03	
Key String		(0	V128 ASCI Alphana	merio Chatasterz Uxed)	
TACACS + Server	-				
Access B					
ci					
o3 V New Radius Serv	er				
server De	finition	@By IP address	Obynama		
lagnostics	r IP				
Authentica	ion Port	1812	(0 - 85535	c.	
Acct 5	art	1813	(0 . 86635		
Key St	ing	EDE + Detaun			
Timeout fr	r Reply	EUs + D + faux		(4-20) # + cs	
Retri	es	Our + Dataum		(1 - 10)	
Server P	riority	(<u>†</u>	(0 + 85535)	¥.	
Dead 1	ime	0	(0 - 2000)		
10 march	1	manufacture manufacture	are dian		

Access

Console

To display Console web page, click Security > Access > Console

This page allow user to combine all kinds of AAA lists to console line. The user accesses switch from console will be authenticated, authorized and accounted by AAA lists we combined here.

	Console Settings		
ntwork v	Contraction of the second s		
AC Address Table	Console Settings		
AC Address (able to	Login Authentication List	default M	
and a	Enable Authentication List	default 9	
torm Control D	EXEC Accounting List	default 😪	
HCP Snooping \$	Session Timeout	10 (0-65535) minutes	
AAA P	Password Retry Count	3 (0-120)	
TACACS+ Server	Silent Time	0 (0.05335) 2 = 200 05	
Indius Server			
Access \$			
Access p Console	Apphy		
Conzole S	Αμρήγ		
Access & B Console Texnel HTTP HTTPS	Apphy - Contrale Information		
Conxole 5 Tennel HTTP HTTPS	Apph - Contrale Information Information Name	Information Value	
Console 5 Tennel HTTP HITTPS L 1/2	Apply Conside' Information Information Name Login Authentication List	Mformation Value . Johnut	
ссект р Солхоне Текин НТТР Н(ТРS L 0 S -	Apply	Minimission' Value . Granult Gabault	
Convole Tenini HTTP HTTPS L	Apply C. Colligit Intermetion Information Name Login Adhemication List Enable Authemication List EXEC Accounting List	Miformation Value debuil debuil debuil	
Constie P Console Teniel HTTP HTTPS L	Apph C Calible Intromation Information Name Login Authoritection List Enable Authoritection List EXEC Accounting List Sension Timout	Safarmation Value debuit debuit debuit 10	
Console Solo Solo Solo Solo Solo Solo Solo S	Apply	Minimistion Volue Geboul School debuit 10 3.	

Login Authentication List: Select one of the login authentication lists we configured in

"Login List" page.

Enable Authentication List: Select one of the enable authentication lists we configured in "Enable List" page.

EXEC Authorization List: Select one of the EXEC authorization lists we configured in "EXEC List" page.

Commands Authorization List: Select one of the commands authorization lists we configured in "Commands List" page.

EXEC Accounting List: Select one of the EXEC accounting lists we configured in "Accounting List" page.

Session Timeout: Set session timeout minutes for user access CLI from console line. If user does not response after session timeout minute, CLI will logout automatically. 0 minutes means never timeout.

Telnet

To display Telnet web page, click Security > Access > Telnet

This page allow user to combine all kinds of AAA lists to telnet line. The user accesses switch from telnet will be authenticated, authorized and accounted by AAA lists we combined here.

Status	-	Teinet Settings		
Hetwork				
Switching		Teinet Settings		
MAC Address Table			Distance in the	
Security	+	Temet service	Costadada 🖉	
Storm Control	D	Login Authentication List	default	
802.1X	p	Enable Authentication List	detault 📂	
DHCP Snooping	P	EXEC Accounting List	default 🔟	
AAA		Session Timeout	10 (0.65535) minutes	
TACACS+ Server		Password Rates Count	2 00.000	
Radius Server		Password Korry Count	(*(0)-120)	
Access	P	Silent Time	0 (0.65525) zeconds	
HTTP HTTPS		- To incert information		
401	22			
ACL	*	Information Hame		Information Value
ACL QoS	*	Information Hame Telnet Service		Information Value Disabled
ACL QoS Management	1 1 0	Information Hamp Tainet Sarvice Login Authentication List		Information Value Disabled default
ACL QoS Mette gement Disgnostics	4 4 4	Information Hamp Telhet Service Login Authentication List Enable Authentication List		Information Value Disabled default default
ACL QoS Menegoment Diagnostice Meintonence	4 4 4 4	Information Hame Telnet Service Login Authentication List Enable Authentication List CXEC Accounting List		Information Value Draatied detsuit detsuit detsuit
ACL QoS Menagoment Diagnostics Maintenance	4 4 4 4	Information Hamp Telnet Service Login Authentication List Enable Authentication List CXEC Accounting List Seasion Timeout		Information Value Disabled default default default 10
ACL QoS Menegoment Diagnostica Maintenance	4 4 4 4	Information Henne Teinhel Service Login Authenbestion List Enable Authentication List EXEC Accounting List Sension Timeout Personal Reitry Count.		Information Value Creatived default default 10 2-
ACL QoS Menegoment Diagnostics Meintenence	4 4 4 4 4	Information Hame Tainet Service Login Authentication List Enable Authentication List EXEC Accounting List Season Timeout Password Reiry Count Silindi Time		Information Value Cristated debuit debuit debuit 10 2- 0

Telnet Service:Set remote service disable or enable

Login Authentication List: Select one of the login authentication lists we configured in

"Login List" page.

Enable Authentication List: Select one of the enable authentication lists we configured in "Enable List" page.

EXEC Authorization List: Select one of the EXEC authorization lists we configured in

"EXEC List" page.

Commands Authorization List: Select one of the commands authorization lists we configured in "Commands List" page.

EXEC Accounting List: Select one of the EXEC accounting lists we configured in "Accounting List" page.

Session Timeout: Set session timeout minutes for user access CLI from telnet line. If user does not response after session timeout minute, CLI will logout automatically.

HTTP

To display HTTP web page, click Security > Access > HTTP

This page allow user to combine all kinds of AAA lists to HTTP line. The user accesses switch WEBUI from HTTP will be authenticated by AAA lists we combined here.

atus 😁	HTTP Settings		
rtwork 👳	Contraction of the second seco		
eitching 👳	HTTP Settings		
C Address fable 👳	WYTO Families	An and Demand	
curity 👻	ALLY SOURCE	Senative Construction	
torn Control N	Login Authentication List	default 🗠	
02.18	Session Timeout	10 (0-68400) minutes	
HCP Snooping p			
on Security	Apply		
AA P			
ACACS+ Server			
adus Canal	* HTTP internation		
adius Sener	-)ITTE Intermetion		
adius Server	- HTTP: Internation foremation Name	Infernation Value	
adius Server Incese p Console Teinet	- JITT Internetion Information Name NTP Service	Information Value Enabled	
adius Server Incese p Console Teinet HTTP	 HTTP: Internetion Information Name NTD: Service Login Authomication List 	informátion Vator Cnabed desad	
adius Server ccess p Console Teinet HTTP HTTPS	 ITTT Internetion Information Hame ITTP Service Login Authomisation Lint Seavice Jimeout 	Infermétique Vatur Cristente destade 41	
adius Server Incese p Console Telant HTTP HTTPS	TITT Internation Information Name InTP Service Login Authonisation Lint Sewion Timsour	Noformation Value Enkond Gebud Ki	
adius Server ccess p Console Trainet HTTP HTTPS 99	 ITTT bytometrics Information Name ITTP Service Login Automotication Limit Samion Timnout 	Informátion Vator Realand Sebadi Ki	
adius Server Scess p Console Teinet HTTP HTTPS U p S m	 ITTT Internetion Information Hame ITTP Service Login Authentication Lint Seaulon Timneut 	Information Value Cristens destad 40	
edus Server Scess p Console Teinat HTTP HTTPS v is gement r	TITT Internetion Name IITT Service Login Authentication List Sewion Timeout	Information Value En Ames de Gal fil	
tadius Server Rocese p Console Teinat HTTP HTTPS L v S v na generat generat s v	 ITTT bytometrice) Information Name ITTP Service Login Muthemication Linit Samion Timmout 	torformátion Vator Criativita debudi Kű	

HTTP Server : set HTTP Server disable or enable.

Login Authentication List: Select one of the login authentication lists we configured in

"Login List" page.

Session Timeout: Set session timeout minutes for user access WEB from HTTP protocol. If user does not response after session timeout minute, WEBUI will logout automatically. 0 minutes means never timeout.

HTTPS

To display HTTPS web page, click Security > Access > HTTPS

This page allow user to combine all kinds of AAA lists to HTTPS line. The user accesses switch WEBUI from HTTPS will be authenticated by AAA lists we combined here.

Intellinet

THANK TOPOOL WIRD	or I news	20		
Status	-	HTTPS Settings		
Network	*			
Switching	- 99	HTTPS Settings		
MAC Address Table	-	urter could	an an inclusion of a	
Security	-	In TPS Service	C Enabled (C Disabled	
Storm Control		Login Authentication List	default	
802.1×	-	Session Timeout	10 (0-06-600) minutes	
TACACS+ Server Radius Server Access Console Techet	4	* ITTES Internation Information Name ITTES Service		Jaformelian Value Drabited rabited
HTTPS		Sension Timeout		10
ACL	-			
QoS	10			
	-			
Management				
Mana gement Diagnostice	-			

HTTPS Server: Set HTTPS Server disable or enable.

Login Authentication List: Select one of the login authentication lists we configured in "Login List" page.

Session Timeout: Set session timeout minutes for user access WEB from HTTPS protocol. If user does not response after session timeout minute, WEBUI will logout automatically. 0 minutes means never timeout.

5.6 ACL

MAC-Based ACL

To display MAC-Based ACL web page, click ACL > MAC-Based ACL

This page allow user to set name for MAC-Based ACL.

SAVE LOUGH HERDS	or I nere			
itatus		MAC-Based ACL		
ie twork	0			
witching	- 12	Mag. Rased ACI		
AC Address Table	-	No outre Acc		
ie curity	-	ACL Name		
NCL.	-	add		
MAC-Based ACL				
MAC-Dased ACE		- ACL Table		
R vi Based ACE ACL Binding		ACL Hame	Deleta	
io S				
lana gement				
regnostice	*			
faintenance	14			

ACL Name: Enter ACL name in this field.

MAC-Based ACE

To display MAC-Based ACE web page, click ACL > MAC-Based ACE

This page allow user to set Based on MAC address expanding ACL list, matching corresponding MAC and setting the ports as drop or forward.

Status	MAC-Based ACE	
Network 🗢		
Switching 👳	MAC-Based ACE	
MAC Address Table 👳	ACI Name	
iecurity +	Bunnanan	
ACL	Sequence	(Range: 1 - 2167483647, 1 is first processed)
MAC-Dated ACL	Action	© Permit O Denny
IP 44-Based ACL IP 44-Based ACE	DA MAC	® Any O Uz ki Defined
ACL Binding	DA MAC Value	
Qo\$ 👻	DA MAC Mask	(Os far matching, fa far no matching)
Management 👳		() Any
Diagnostica 🔶	SA MAC	O Us at Defined
Maintananco +	SA MAC Value	
	SA MAC Mask	(Os for matching, is for no matching)
	VLAN ID	(Range 1 + 4094)
	802.1p	🗇 holude
	802.1p Value	(R.gnge,0-7)
	802.1p Mask	
	Ethertype(Range:0x05DD-0xFFFF)	(Range Di00D -DiFFFF)

IPv4-Based ACL

To display IPv4-Based ACL web page, click ACL > IPv4-Based ACL

This page allow user to set name for IPv4-Based ACL.

Status 👳	IPv4-Based ACL	
Network 🤨		
witching =	IPv4.Based 401	
MAC Address Table 0		
Security -	ACL Name	
ACL -	Add	
MAC-Based ACL		
MAC-Dated ACE		
IP vi Based ACL	- AGL TÁBOR	
IP vé Based ACE	land at the	200
ACL Binding	ACL Hemo	Delete
QoS e		
Management 👳		
Nagnostics ÷		
Maletanante		

IPv4-Based ACE

To display IPv4-Based ACE web page, click ACL > IPv4-Based ACE

IPv4-Based ACE		
Contraction of the second s		
Ped-Based ACE		
ACL Name		
dequence .	(etas ger 1 - 2121 2206 at, 1 to thet processes)	
Astion	©rima ⊡Deay	
Pratocol	Πάλαγ(37) Ο Βαία-α 550 και 19 π. Ο # παροσο έλα το π. αφτα	
Source IP Addiess	® Aug © NS + I D + T + + d	
Source IP Address Value	and the second se	
Souros IP Wildcard Mass	der men attainig, ta terson attainig	
Destination IF Address Destination IF Address Value	El Aay Oldzei De Need	
Destinution IP Wilds and Mash	die interneting, to het an endeting.	
Source Part	Girary Distry (marga: 0-66536) Cittary (1 - 1000) (tary - 0-66536)	
Destination Port	Олау Сялаўн (Лагун. 268635) — (Лагун. 1.8.66552) Сялаўн (Лагун. 1.9.68636) — (Лагун. 1.8.66552)	
TCP Flags	पत्र चित्रार्थे किस्तार्थे किस्तारिक का चित्रारं प्रियास दिव्राराजन का चित्रारं प्रियास दिव्राराजन का चित्रारं प्रियास दिव्राराजन का चित्रारं प्रियास दिव्राराजन का चित्रारं प्रायास दिव्राराजन	
Type of Service	Слау Собо 4 болары (Аладес 8 + 63) Си 4 холоноса 10 лары (Аладес 8 - 63)	
10.00	Олич Обликовлика Балариска (спанда: 0-2005) С поросоний развание (спанда: 0-2005)	
ICHT Code	Director and Control - D - 2000	

This page allow user to set Based on IPv4 expanding ACL Peer Guardian and matching corresponding IP and setting the port as drop or forward.

ACL Binding

To display ACL Binding web page, click ACL > ACL Binding

This page allow user to Bounding with accordingly ACL rules, port bounding ACL rules.

tatus	~	ACL Binding	9			
Network	-					
Switching	.0	ACL Binding				
MAC Address Table	~	Binding Port	ACL Select			
Security	12		Lines parent sor			
ACL	~		MAC-Dased ACL			
MAC-Based ACL		Select Ports -	Pv4-Based ACL	3		
MAC-Based ACE			PiPv6-Based ACL			
IPv4-Based ACL			1			
IPv4-Based ACE	_	Apply				
ACL Binding						
005	÷	Contraction of the				
Management	-	- ACL Briding Tal	ale:			
lagnostics	*	Port	MAC ACL	IPvi ACL	IPv6 ACL	Modify
Maintenance	-	10.000				
5.7 QoS

Use the QoS pages to configure settings for the switch QoS interface and how the switch

connects to a remote server to get services.

General

QoS Properties

To display QoS properties web page, click QoS > General > QoS properties

This page allow user to set QoS mode such basic or advanced.

Status		QoS Global Set	ting		
Network	-				
Switching		OoS Global Setting			
MAC Address Table	-	Der Mede	Opinion Opinio Comment		
Security	1	uos mode	ODISABIE OBASIC OMOVARCED		
ACL	*	Apply			
QoS	*				
General		+ DoS Informations			
QoS Properties					
Port Settings		Information Name		Information Value	
Queue Settings		QoS Mode		disable	
CoS Mapping					
DSCP Mapping					
IP Precedence Mapping					
QoS Basic Mede					
GoS Advanced Mode	P				
Rate Limit	P				
Management	-				
Diagnostics	-				
Maintenance	-				

Port Settings

To display Port Settings web page, click **QoS > General > Port Settings**

Status	-	QoS Po	rt Settings				
Network		Contraction of the local division of the loc					
Switching		Dart Dart Satt	liner				
MAC Address Table		Port	CoS Value	Remark Cos	Remark DSCP	Remark IP Precedence	
Security	~	Colors Dorse	2 0 2	Barris Barris	0.000		
ICL		select Parts	0 1	ODisable OEnable	ODISable OEnable	CDisable CEnable	
n S	•	Annis					
Beneral	5	. dated					
One Disposition	1	-					
Port Settings	-	 DoS Port St 	aiu:				
Queue Settings		Port	CoS value	Remark CoS	Rem	ark DSCP	Remark IP Precedence
CoS Mapping		GE1	0	disabled	disal	bled	disabled
IP Precedence		GE2	Ó	disabled	dical	bled	disabled
Mapping		GE3	0	disabled	disab	bled	disabled
QoS Basic Mode	Þ	GE4	0	disabled	disat	bled	disabled
QoS Advanced Mode	Þ	GE5	Q	disabled	disab	bled	disabled
Rate Limit	Þ	GE6	0	disabled	disat	bled	disabled
anagement	-	GE7	D	disabled	disat	bled	disabled
iagnostics		GEB	0	disabled	disab	bled	disabled
taintenance		GE9	0	droobled	disat	bled	disabled
		GE10	0	disabled	disat	bled	disabled
		GE11	0	disabled	disat	bled	disabled
		GE12	0	disabled	disat	bled	disabled
		GE13	0	disabled	disat	bled	disabled
		GE14	D	disabled	disat	bled	disabled
		GE15	0	disabled	disat	hteri	disabled

This page is used to give the QoS instance port configuration.

Queue Settings

To display Queue Setting web page, click **QoS > General > Queue Settings**

This page allow user to set Set the QoS instance queue scheduling model.

Natural D	
Switching Table	
MAC Address Table + Scheduling Method	
Security - Oueue Strict Priority WRR Weight % of WRR Bandwidth	
scL · · · · · · · · · · · · · · · · · · ·	
05	
General b	
GeS Properties 0 0	
Port Settings 4 0 0	
CoS Manning 5 @ O	
DSCP Mapping 8 🛞 O	
IP Precedence Mapping 7 © 0 11	
Gos Basic Mode > 8 @ O IS	
DoS Advanced Mode b	
Apply	
anagement v	
lagnostics 🗸 👻 - Quodur Information	
laintenance v	
Information Name	Information Value

COS Mapping

To display COS Mapping web page, click **QoS > General > COS Mapping**

Status	- 12	CoS Mappi	na																
Network																			
Switching		CoS to Oueve Ma	oping																
MAC Address Table	-124	Class of Service	0				2			3	-	_			1	6		7	
Security	-	0	-	1.5			15	-			1		le.		14		10	-	100
ACL		Queue	4			×.	3	~	4	12	5	, M	0	ř.	1	, A	0		~
0.05		Queue to CoS Ma	pping	-															
General	p.	Queue	1		2		3		14	4	6			6	1	7		8	
OoS Properties		Class of Service	Ť.	~	0		5	-		- 22	14	4	E		6.	v	7	1	~
MOG Froperties		Class of Service				1.00	14	100	3	· · · ·	4	120	3		1.0				
Port Settings		class of derived	-	100	~		14	(22)	3		4		5			- M		-	
Port Settings Queue Settings		Apply		100			14	1	3	×.	4	1911	5			14			
Port Settings Queue Settings CoS Mapping	_	Apply					14		3		3		5						
Port Settings Oueue Settings CoS Mapping DSCP Mapping IP Procedence Mapping		Apply - CoS mapping					14		2				5						
Port Sottings Queue Settings CoS Mapping DSCP Mapping IP Precedence Mapping DoS Basic Mode		Apply - CoS mapping CoS				lappi	ng to 1	Dueue	5		3		3				1		
Port Settings Dece Settings DSCP Mapping IP Procedence Mapping DoS Basic Mode QoS Advanced Mode	Þ 5	Apply - CoS mapping CoS 0			1	lappi	ng to 1	Dueue	5		3						1		
Port Settings Dece Settings DSCP Mapping IP Procedence Mapping DoS Basic Mode QoS Advanced Mode Rate Limit	¢ \$ \$	Apply - CoS mapping CoS 0 1			2	lappi	ng to I	Dueue	5		3		3				1		
Port Softings Dueue Sattings DSCP Mapping IP Precedence Mapping DoS Basic Mode QoS Advanced Mode Rate Limit Management	¢ ¢ ¢	Apply CoS mapping CoS 0 1 2			1 2 1 3	lappi	ng to I	Dueue					3				1		
Port Sutings Deces Sattings CoS Mapping DSCP Mapping IP Precedence Mapping DoS Basic Mode CoS Advanced Mode Rate Limit Management Diagnostics		Apply - CoS mapping CoS 0 1 2 3			1 2 1 3 4	lappi	ng to	Queue											
Der Softings Dieser Sattings CoS Mapping DSCP mapping IP Procedence Mapping DoS Basic Mode CoS Advanced Mode Rate Limit Management Diagnostics Maintenance	4 4 4 4	Apply - CoS mapping CoS 0 1 2 3 4			M 2 1 3 4 5	lappi	ng to I	Overe	3								1		
Port Softings Deves Sattings CoS Mapping DSCP Mapping DSCP Mapping IP Precedence Mapping OS Basic Mode CoS Advanced Mode Rate Limit Management Diagnostics Maintenance	4 4 4 4	Apply - CoS mapping CoS 0 1 2 3 4 5			M 2 1 3 4 5 6	láppi	ng to	Queue	,				3						
Port Softings Deves Sattings OSCP Mapping DSCP Mapping IP Procedence Mapping DoS Basic Mode OS Advanced Mode Rate Limit Management Diagnestice Maintenance	4 4 5 5 5 5 5	Apply - CoS mapping 0 1 2 3 4 5 6			1 2 1 3 4 5 8 7	lappi	ng to I	Dueue	,				3						

The page allow user to set QoS instance of COS Mapping.

DSCP Mapping

To display DSCP Mapping web page, click QoS > General > DSCP Mapping

The page allow user to set QoS instance of DSCP Mapping.

SAVE LOCOUT REBOO	I HERE	150																	
Status Network	4 4	DS	SCP I	Map	ping	1													
Switching	ice;	DSCP t	o Que	ue I	Aappi	na													
MAC Address Table	**		DSCP			ueue													
Security	-	Select I	isc#	-	- 17														
ACL	- 77	and the second second	sante.	_		_													
QoS	10.	Queue	to DS	CP	Aappl	na													
General	4	Queue	1	-	2		4	J	-	4		5	~	6	6		7		8
QoS Properties		DSCP	0	~	8	2	16	R	24	1	32		~	40	۷	48	4	56	14
Port Settings Queue Settings CoS Mapping DSCP Mapping		Appl	ly .	1															
IP Precedence Mapping		= 050	e map	pinq															
QoS Basic Mode	Þ	DSC	CP						Map	ping	to Q	rene							
OoS Advanced Mode	P	0							1										
Rate Limit	D	1							1										
Management	-	2							1										
Diagnostics		3							1										
Maintenance	·w	4							1										
		5							1										
		Б							1										
		7							1										
		8							2										
		9							2										
		10							2										

IP Precedence Mapping

To display IP Precedence Mapping web page, click **QoS > General > IP Precedence**

The page allow user to set QoS instance of IP Precedence Mapping.

Status	-	IP Preces	denc	e Ma	ippi	ng	8												
Network						-													
Switching	*	IP Precedence	to O	ueire	Man	nina													
MAC Address Table		IP Precedence		0	indp	1		2		3		4		5		1			7
Security	*	A Presedence		- 22	1		1		1		101 1	-		-	- 20		- 10	10	-
ACL	*	Queue	1		4		12		4		1	2	1	8		1		0	_
loS	-	Queue to IP Pr	eced	ence	Мар	ping													
General	b	Queue		1		2	4	3	1	4		5		6			7		8
OoS Pipperties		IP Precedence	D		1		2	6	- 3	-				5		6	4	7	
Queue Settings CoS Mapping		Apply																	
Occur Settings CoS Mapping USCP Mapping IP Precedence Mapping		- 1º Precedent	-	hum	-														
Oueue Settings CoS Mapping USCP Mapping IP Precedence Mapping GoS Basic Mode	Þ	Apply - IP Precedent IP Precedent	ce	hum									Ma	appini	g to (Queu	e		
Goeve Settings CoS Mapping USCP Mapping IP Precedence Mapping GoS Basic Mode GoS Advanced Mode	4	Apply Precedent Precedent Q	e ma	httau									Ma	ppin	g to i	Queu	e		
Ourue Settings DSCP Mapping DSCP Mapping IP Precedence Mapping ODS Basic Mode OoS Advanced Mode Rate Limit	4 4 4	 If Precedent IP Precedent 0 1 	e ma	htmu									Mz 1 2	applay	g to I	Queu	IQ.		
Ourue Settings DSCP Mapping DSCP Mapping IP Precedence Mapping ODS Basic Mode OoS Advanced Mode Rate Limit Management	4 4 4	Apply TP Procedence IP Procedence 0 1 2	e ma	htur									Mz 1 2 3	applay	g to I	Queu	IQ.		
Ourour's Settings DoS Mapping DSCP Mapping IP Pricedence Mapping Oos Basic Mode Oos Advanced Mode Rate Limit Management Diagnostics	4 4	Apply - IP Proceden 0 1 2 3	e ma	htmu									Mz 1 2 3 4	ppin	g to I	Queu	0		
Ourde Settings DoS Mapping USCP Mapping IP Precedence Mapping Oos Basic Mode Oos Advanced Mode Rate Limit danagement Nagnostics Maintenance	4 4 4 4 4	Apply IP Proceeden 0 1 2 3 4	ce	httar									Mz 1 2 3 4 5	sppini	g to I	Queu	0		
Ouror Settings Das Mapping USCP Mapping IP Precedence Mapping Oos Basic Mode Rate Limit Management Diagnostics Maintenance	4 4 4 4 4 4	Apply TP Proceeden U IP Proceeden U I A A A A A A A A A A A A	ce	humb									Mz 1 2 3 4 5 5	ppin	g to I	Queu	e.		
Ourour Systings Des Mapping DSCP Mapping IP Pracedence Mapping Oos Basic Mode Cas Advanced Mode Rate Limit Management Diagnostics Maintenance	4 4 4 4 4	Apply TP Procedent IP Procedent 1 2 3 4 5 6	ce	humi									Mz 1 2 3 4 5 5 5 7	sppin	g to t	Queu	0		

QoS Basic Mode

Global Settings

To display Global Settings web page, click QoS > QoS Basic Mode > Global Settings

This page allow user to set QoS for trust mode on basic mode global settings.

Status	7	Global Settings		
Network	7			
Switching	T Bari	ic Mode Global Settings		
MAC Address Table	*	net Mada Dargena to Dange Course	AND IN DOOD OUT DURING ONLY	
iecurity	7	Cost in the Cost of the Cost of Cost	aut 19-DSCF Unit Frecedence Untone	
ACL	+	Apply		
0oS				
General DoS Basic Mode	P	205 Informations		
Global Settings		Information Name	Information Value	
Port Settings	-	Trust Mode	cow	
OoS Advanced Mode	P			
Rate Limit	Ð			
tanagement	- 44			
liagnostics	12			

Port Settings

To display Port Settings web page, click QoS > QoS Basic Mode > Port Settings

SAVE LOGOUT REBOO	I REFR	ESH -	
Status	*	QoS Port Setting	
Network.	7	acorototting	
Switching		Dec Deck Collins	
MAC Address Table		Dest Trust	
Security	•	Port IFust	
ACL		Select Ports + @Enabled ODisabled	
QoS	10	Annh	
General	D	style 1	
GoS Basic Mode Global Settings	Þ	- Quố Parr Statur	
Port Settings		Port	Trust Type
OnS Advanced Made	р	GE1	enabled
Rate Limit	Þ	GE2	enabled
Management	-	GE3	enabled
Diagnostics	-	0E4	enabled
Maintenance	-	GES	enabled
	-	GEG	enabled
		GE7	enabled
		GEB	enabled
		GE9	enabled
		GE10	enabled
		ĢEIT	enabled
		ĢE12	anabled
		GE13	enabled

This page allow user to set QoS port setting enabled or disabled.

QoS Advanced Mode

Global Settings

To display Global Settings web page, click QoS > QoS Advanced Mode > Global Settings

This page allow user to set the default QoS mode state under advanced mode global settings trust mode.

Network ~ Switching ~ Star. Address Table ~ Security ~ Act ~ Oos ~ General O Oos Basi Mode P Oas Advanced Mode Status O trusted @ Not Trusted Obs Basi Mode P Oas Basi Mode P Oa	Status	-	Global Settings		
Switching • MAC Address Table • Security • Security • OoS <	Network	-			
MAC Address Table Construction Socurity • ACL • OoS • General • OaS Date Mode • OaS Advanced Mode • Palicy Diana • Palicy Diana • Default Mode Status • Default Mode Status • D	Switching		Advanced Mode Global Settings		
Security Trust Mode O DSC OoS O DSC O DSC OoS Baaic Mode O Desc O DSC OoS Baaic Mode O Desc O Preveadence OoS Baaic Mode O Desc O Trusted O Not Trusted OoS Baaic Mode O Desc O Preveadence OoS Baaic Mode O Desc O Trusted O Not Trusted OoS Baaic Mode O Desc O Trusted O Not Trusted OoS Baaic Mode O Desc O Trusted O Not Trusted OoS Baaic Mode O Desc O Trusted O Not Trusted OoS Baaic Mode O Desc O Desc Oos Despinst O Desc Cos Pailory Class Mogs Poilory Tobic Trust Mode Pailory Class Mogs Poilory Tobic Cos Palauit Mode Status Not Trusted Desc Despinstruct OoS Not Trusted	MAC Address Table	÷	Autometer mode ofober octangs	Contract of	
ACL	Security.	*	n de suite a de suite a	Opscr	
Oos Of Pressence General O Oos Baais Mode O Oas AdvanceMade O Palory Data Information Value Trust Mode Cox Default Made Status Not Trusted Managemant O Oas AdvanceMade O	ACL	-	Trust Mode	O CoS/802.1p-DSCP	
Ceneral O Gos Basic Mode P Gos Basic Mode P Gos Advanced Mode P Gos Advanced Mode P Gos Basic Mode P Gos Basic Mode P Gos Advanced Mode P Gos Basic Mode P Gos Advanced Mode P Gos Basic Mode P	QoS .			QIP Presodence	
OoS Baais Mode Apply OoS Baais Mode Apply OoS Baais Mode Apply OoS Baais Mode B OoS Baais Mode Information Value Palicy Class Maps Information Name Trust Mode cos Default Mode Status Hot Trusted Managemant O Oragiostics V	General	Þ	Default Mode Status	O Trusted Not Trusted	
OaS Advanced Mode b Olobal Settings class Mapping Aggregative Policer Descriptions Pelicy Table Information Name Palicy Data Trast Mode Pelicy Ending Polault Mode Status Management o Diagnostics o	GoS Basic Mode	p	A secolo-		
Global Settings Closal Mapping Aggregati Rollicer Palicy Class Maps Palicy Cl	GaS Advanced Mode	Þ	Abbit		
Class Mapping Apprendix Policer Apprendix Policer Information Name Policy Class Maps Information Name Policy Dinding Enter Mode Policy Dinding Enter Mode Rate Limit Policy Class Maps Management Policy Class Maps Diagnostics Policy Class Maps	Global Settings				
Aggregate Police Information Name Information Value Policy Class Maps Trust Mode cos Policy Binding Default Mode Status Not Trusted Rate Limit P Diagnostics T	Class Mapping		- Das Informations		
Palicy Lasie Information Value Palicy Class Maps Trust Mode Palicy Dinding Default Mode Status Rate Limit Not Trusted Management P	Aggregate Policer		Education Research	forferenceding Matter	
Pelicy Binding Rule Limit b Managemant o Diagnostics o	MOUCY Labie		Treet Mode	Information Value	
Rate Limit p Managemant o Diagnostics o	Policy Class Mans		11451 4000	E03	
Management O Diagnostics T	Policy Class Maps Policy Binding		Budanta Marte Printer	Anna Provide a	
Managemant 🗢 Diagnostics 🗢	Policy Class Maps Policy Binding Rute Limit		Default Mode Status	Not Trusted	
Diagnostics 🗢	Palicy Class Maps Palicy Binding Rate Limit	Þ	Default Mode Status	Not Truisted	
	Policy Class Maps Policy Binding Rute Limit Management	P 0	Default Made Status	Net Truised	

Class Mapping

To display Class Mapping web page, click QoS > QoS Advanced Mode > Class Mapping

This page allow user to create a QoS class which is used to link the ACL.

Status	*	Class Configura	tion				
Network			Ch-Sellin .				
Switching	-	Class Configuration					
MAC Address Table	-	Class Name					
Security	-	Ciase County					
ACL		Annual Annual State	OIP				
QoS	÷	Match ACL Type	O MAG O IP or MAG				
General	4	IP	IPv4	DI O IPV6			
OoS Basic Mode DoS Advanced Mode	b b	MAC	8				
Global Settings		Preferred ACL	- IP				
Class Mapping	1		MAG				
Aggregate Policer Policy Table Policy Cless Meps		Add					
Palicy Binding		- Class-Fable					
Rate Limit	4	000000000000000000000000000000000000000			Transfer		
fanagement	~	Class Name			Match	Action	
Diagnostics	-						
Maintenance							

Aggregate Policer

To display Aggregate Policer web page, click QoS > QoS Advanced Mode > Aggregate Policer

atutus	-	Aggregate Policer			
Network	-				
Switching	*	Aggregate Policer Configuration			
MAC Address Table		Aggregate Policer Name			
ACL	-	Ingress Committed Information Rate (CIR)	16	KBrits/s	
QoS	*	Ingress Committed Burst Size (CBS)	128	Bytes	
General	Þ	Exceed Action	Serward ODrop		
OoS Basic Mode GoS Advanced Mode Global Settings Class Mapping	0	Add			
Aggregate Policer		- Aggregate Policer Table			
Policy Table Policy Class Maps	4	Policre Name Ingress CIR	Ingress CBS	Exceed Action	Action
Policy Binding					
Policy Binding Rate Limit	P				
Policy Binding Rate Limit Management	•				
Policy Binding Rate Limit Management Diagnostics	4 4 A				

Policy Table

To display Policy Table web page, click QoS > QoS Advanced Mode > Policy Table

SAVE LOGOUT REBOO	T REFE	lesh -	
Status	*	Policy Configuration	
Network			
Switching	*	Policy Configuration	
MAC Address Table	-		
Security	*	Policy Name	
ACL	10	Add	
QoS	*		
General QoS Basic Mode	P D	- Palicy Table	
GoS Advanced Mode Global Settings Class Mapping Aggregate Policer	Ð	Policy Name	Delate
Policy Table			
Policy Class Maps			
Policy Binding	- 1		
Rate Limit	0		
Management			
Diagnostics	*		
Maintenance	-		

Policy Class Maps

To display Policy Class Maps web page, click QoS > QoS Advanced Mode > Policy Class Maps

Status	-01	Policy Class Maps		
Network	-			
Switching		Policy Class Configuration		
AC Address Table	-	Policy Name	~	
ecurity	4	Class Name		
ci.				
loS	12	Action Type	O Always Trust	
General	Þ		O Set Queue	
QoS Basic Mode OoS Advanced Mode	e b		None	
Global Settings		Policer Type	⊖ Single ⊖ Aggregate	
Class Mapping		Aggregate Policer		
Policy Table		ingress Committed Information Rate (CIR)	(6 KBI	tore
Policy Class Maps		Ingress Committed Burst Size (CBS)	Byte	e.c.
Policy Binding		Except Artion	E Familied C Dane	
Rate Limit	4	Exceed Action	e Forward _ Drop	
anagement	-	Add		
lagnostics	*			
laintenance	-	+ Palies Class Man Lable		
		and the second states of the second states		
		Action Type	Dellars Turne A	And and Dalland Names CID CDC Encoded Antion Marile
		Trust Set Attribute S	et Value	ggregate Policer Name CIK CDS Exceed Action Monity

Policy Binding

To display Policy Binding web page, click QoS > QoS Advanced Mode > Policy Binding

Status	*	Policy Bi	inding	
Network			9	
Switching	~	Pallay Rinding		
MAC Address Table	-	Policy Britanig	Reading Real	
Security		Policy Select	Binding Port.	
ACL	.0	- M	Select Purts *	
005	-	Amile		
General		appix		
QoS Basic Mode	5	-		
OoS Advanced Mode	Þ	- Palicy Bindir	op table	
Global Settings		Bart		Dolley Name
Class Mapping		GEL		Putty Rame
Aggregate Policer		GEO		
Policy Class Maps		GE3		
Policy Binding		GE4		
Rate Limit	Þ	GB5		
	-	GEG		
Management		GE7		
Diagnostics		GE8		
Maintenance	1	GE9		
		GE 10		
		GETT		
		GE12		
		GE13		
		GEIA		
		OC IN		

Rate Limit

Ingress Port Settings

To display Ingress Port Settings web page, click QoS > Rate Limit > Ingress Port Settings

This page allow user to set ingress port monitor.

	_				
Status		Ingress Ban	dwidth Control		
Network	*	Million and the second traces	and a state of the state of the state of the		
Switching	1	Ingress Port Burst	Setting		
AC Address Table	-	Pursue of the	Longer and a second		
locurity	-	Burst Size	(1-65535, unit. Byte)		
ACL		Ingress Bandwidth	Control Settings		
luS	Ţ	Port	State	Rate(Kbps)	
General QoS Basic Mode	D D	Select Parts -	ODISable OEnable	(0-1000000, must a mulliple of 16)	
OoS Advanced Mode Rate Limit	D P	Apply.			
Ingress Part Setting Ingress VLAN Setting Egress Port Setting Egress Queue Settings	gs ngs ge	 Ingress Para Burs Information Nam Burst Size 	a Size Configuration	Information Value	
anagement					
Diagnostics					
Maintenance		- Ingress Bandwid	th Control Status		
		Part	Ingress RateLimit ((Kbps)	
		GE1	off		
		GE2	off		
		GE3	off		
		GE4	off		
		GE5	off		
		OFE			

Ingress VLAN Settings

To display Ingress VLAN Settings web page, click QoS > Rate Limit > Ingress VLAN Settings

This page is used to set the bandwidth of the VLAN entry control.

SAVE LOGOUT REBO	OT REFRE	SH				
Status	4	VLAN	Ingress RateLimi	t		
Network						
Switching	-	VLAN Ingre	ss Rate Settings			
MAC Address Table	- 65	VLAN	default(1) Se			
Security	-				_	
ACL		Port.	ALL			
OoS	÷.	State	ODisable OEnable			
General	P	Rate(Kbps)		(0-1000000, must a multiple	of 163	
QoS Basic Mode QoS Advanced Mode Rate Limit	0 8 0	Арріу	6			
Ingress Port Sette Ingress VLAN Set	ngs tings	+ VLAN Ing	ress Rate Status			
Egress Part Settin Egress Queue Settings	ngs	VLAN		Port	Rate (Kbps)	
Management	-					
Diagnostics	-					
Maintenance	*					

Egress Port Settings

To display Egress Port Settings web page, click QoS > Rate Limit > Egress Port Settings

This page is used to set the egress port monitor.

Status 🗢	Egress Ban	dwidth Control		
Network 👳				
Switching 🗢	Earness Port Burst	Setting		
MAC Address Table 🛛 🖛	Burnet Fire	. octaing		
Security 🤝	burst size	(1-65535, unit. Byte)		
NCL 🤝	Egress Bandwidt	Control Settings		
30S ==	Port	State	Rate(Kbps)	
General P QoS Basic Mode P	Salact Ports	ODisable OEnable	(0-1000000, must a multiple of 16)	
OoS Advanced Mode 5 Rate Limit 5 Ingress Port Settings Ingress VLAN Settings Egress Port Suttings	Apply.	st Size Configuration		
Egress Queue	Information Nam	ne	Information Value	
Settinge	Burst Size		32768 Bytev	
lanagement 👳				
Management 👳 Jiagnostics 🗢				
Management v Viagnostics v Maintenance v	÷ Egrovs Bandwid	τδ ζαπτεσί δτοτικ		
lanagement 👳 Viagnostics 🗢 daintenance 🗢	- Egross Bandwid Port	th Control Status Égress RoteLimit (Yt bps)	
danagement v Nagnostics v daintenance v	+ Egross Bandwid Port GE1	th Control Status Egress RateLimit (off	Kbpsj	
danagement v Viagnostics v daintenance v	- Cgress Bandwid Port GE1 GE2	rb (Innural Status Egress RateLimit (I off	Kbps)	
danagement 👳 Naggostics 🗢 Saintenance 👳	- Egress Bandwid Port GE1 GE2 GE3	15: Cantrol Status Égress RoteLimit (off off	Kbpa)	
danagement v Diagnostics v faintenance v	- Coress Bandwid Port GE1 GE2 GE3 DE4	th Control Status Egress RateLimit (off off off off	Xbps)	

Egress Queue Settings

To display Egress Queue Settings web page, click QoS > Rate Limit > Egress Queue Settings

The page is used to set the egress lined up bandwidth monitor.

Status		Earess Queue	Bandwidth Con	ntrol	
Network					
Switching		Earant Qualle Burst	Setting		
MAC Address Table		Egress queue buist	security		
Security	-	Burst Size	(1-85535,	unit 1 Byte)	
ACL	÷	Foress Queue Bandw	idth Control Set	tings	
Do S	~	Port	Queue	State	CIR(Kbps)
General	4	GE1 · t		ODisable OEnable	(0-1000000, must a multiple of 16)
QoS Basic Mode	4				
Quis Advanced Mod	0 P	Apply			
in the second	-				
Ingress Port Sett	ings tlings	- Paress Dueue Barst	Nize Existinguratio	0	
Egress Part Sett	ings				
Egress Queue		Information Name			Information Value
Settings	_	Burst Size			32768 Bytes
Management	~				
Diagnostics	*				
Maintenance		- GEL Egrace Per Out	ine Status		
	-				
		Ourse Id		Rate Limit (K	ips)
		1		llo	
		2		off	
		3		off	
		4		off	
		5		on	

5.8 MANAGEMENT

POE

POE Global Setting

To display POE Global Setting web page, click Management > POE > POE Global Setting

This page is used to check POE Status, you can set Max Available Power here.

Status		PoE Global Status		
Network				
Switching	-	Global Setting		
MAC Address Table	-	crount octaing		A SALE-SA
Security	~	Max Available Power	500	(0-900)Watt
ACL	-	System Operation Status	On	
0.05		Main Power Consumption	0 (Watt)	
	-	E E E E E E E E E E E E E E E E E E E	Device Temperture	• 1
management	0	Device #1	51(C)	
POE	Þ	Device #2	53(C)	
POE Global Setting		Device #3	55(C)	
POE Port Setting			Pervore .	
POE Delay Setting		Apply		
LLDP	p			
SNMP	Þ			
RMON	Þ			
Diagnostics	-			
Maintenance	*			

MAX Available Power: Switch configuration can provide maximum power.

System Operation Status : display POE operation status on or off

Main Power Consumption: configure main power consumption

Device Temperature: display the temperature of device.

POE Port Setting

To display POE Global Setting web page, click Management > POE > POE Port Setting

This page allow user to configure POE setting.

Status	-	POE Por	t Setti	ing			
Network	-						
Switching	-	DOT Dart Cat					
MAC Address Table		POE Port Set	ing	Etatus	Briority	Rowar Budget	
Security	*	Port sele			rivity	rower budget	
ACL	-	Select Ports		Enabled Disabled	3-Low •	30 (0-36)Watt	
QoS	-01	1.00			2-High	and the second se	
Management	-	whbłA			1-cinical		
POF	h	_					
	1	- POE Pon Si	48125				
POE Global Setting		la un		Take of	10.000		
POE Delay Setting	-	Port.	Status	Class	Priority	Power Consumption(Wratt)	Power Budget(Watt)
LIDP		GET	enable	-	3	0.00	30
SNMP	Þ	GEZ	enable		5	0.00	30
RMON	Þ	GE3	enable	-	3	0.00	30
Discoveries	-	GE4	enable	-	3	0.00	30
Diagnostics	~	GE5	enable		3	0.00	30
Maintenance		GE6	enable	-	3	0.00	30
		GE7	enable	-	3	0.00	30
		GE8	enable		3	0.00	30
		GE9	enable		3	0.00	30
		GE10	enable		3	0.00	30
		GE11	enable		3	0.00	30
		GE12	enable		3	0.00	30
		GE13	enable		3	0.00	30
		GE13 GE14	enable		3.	0.00	30

Port Select: Select specific ports.

Priority: Setting the priority of POE.

Critical

High

Low

Power Budget: POE port estimation can provide power.

POE Delay Setting

To display POE Global Setting web page, click Management > POE > POE Delay Setting

This page is for setting POE Power Delay.

20103	4	POE Power D	Delay		
Network		Million and Address of the	and an and a second		
Switching	.0	POE Delay Setting			
MAC Address Table		Poe Delay Setting	Dalay Mode	Delay Time	
Security	-2	Full deleut	Delay mode	beray mine	
ACL	-	Select Ports +	Benabled Disabled	0 (0-300)Sec	
QoS	-				
Management		Apply			
and a second sec					
PUE		- POE Delay Status			
POE Global Setting					
POE Poil Setting		Port	Delay Mode		
upp		OE1	disable		
SMAD	P	GE2	disable		
RMON	Þ	GE3	disable		
		GE4	disable		
Diagnostics	4	GE5	disable		
Maintenance		GE6	disable		
		GE7	disable		
		GE8	disable		
		GE9	disable		
		GE10	disable		
		GE11	disable		
		GE12	disable		
		GE13	disable		
		GE14	disable		

Port Select: Select specific ports.

Delay Mode: enable or disable delay mode.

Delay Time: Configuration delay time.

LLDP

LLDP is a one-way protocol; there are no request/response sequences. Information is advertised by stations implementing the transmit function, and is received and processed by stations implementing the receive function.

LLDP Global Settings

To display LLDP Global Settings web page, click Management > LLDP > LLDP Global Settings

Status		LLDP Global Setting		
Network				
Switching	=	Global Settings		
MAC Address Table		Enabled	e Enabled O Disabled	
Security	*	LLDP PDU Disable Action	C Filtering C Bridging @ Flooding	-
ACL QoS	0	Transmission Interval	30 (5-32768)	
Management	÷	Holdtme Multiplier	4 (2-10)	
POE	Þ	Reinitialization Delay	2 (1=10)	
LLDP	Þ	Transmit Delay	2 (1-8192)	
LLDP Port Settin LLDP Local Devi LLDP Remote D MED Network P/	ting ig ce evice olicy	LLDP-MED Fast Start Repeat Count	3 (1-10)	
LLDP Overloadin	g	- LLDP Global Conlig		
GULLD	Þ	Config Name		Config Value
PMON	P	LLDP Enabled		Enabled
RMON				
RMON Diagnostics	*	LLDP PDU Disable Action		Flooding
RMON Diagnostics Maintenance	*	LLDP PDU Disable Action Transmission Interval		Flooding 30 Secs.
RMON Diagnostics Maintenance		LLDP PDU Disable Action Transmission Interval Heldtme Moltipher		Flooding 30 Secs. 4
RMON Diagnostics Maintenance	*	LLDP PDU Disable Action Transmission Interval Holdtme Moltiplier Reintlakzation Delay		Flooding 30 Secs. 4 2 Secs
RMON Diagnostics Maintenance	*	LLDP PDU Disable Action Transmission Internal Holdtme Moltpine Remitiazion Delay Transmit Delay		Flooding 30 Secs 4 2 Secs 2 Secs

Enabled: Enable/ Disable LLDP protocol on this switch.

Transmission Interval: Select the interval at which frames are transmitted. Thedefault is 30 seconds, and the valid range is 5–32768 seconds.

Holdtime Multiplier: Select the multiplier on the transmit interval to assign to TTL

(range 2–10, default = 4).

Reinitialization Delay: Select the delay before a re-initialization (range 1–10 seconds, default = 2).

LLDP Port Settings

To display LLDP Port Settings web page, click Management > LLDP > LLDP Port Settings

Status	7	LLDP Port Se	tting	
Network				
Switching	424	LLDP Port Configur	ation	
MAC Address Table		Port Select	State	
Security	-	Colord Barris		
ACL		Semict Ports -	Disable	
QeS		Auch		
Management	-	er D D I A		
POE	4	Ontional TI Va Salas	tion	
LLDP	þ	Post folget	Ontional Till Solast	
LLDP Global Se	Atting	Fort select	optional it's select	
LLDP Port Setti	ng	Seloct Ports -	Select Optional TLVs	
MED Network P MED Port Settin LLDP Overloadin	olicy ng ng	- LLOP Port Status		
OTHER.	N.	Port	State	Selected Optional TLVs
RMON				
RMON		GE1	TX & RX	802.1 PVID
RMON Diagnostics	*	GE1 GE2	TX & RX TX & RX	802 1 PVID 602 1 PVID
RMON Diagnostics Maintenance	*	GE1 GE2 GE3	TX & RX TX & RX TX & RX	802 1 PVID 802 1 PVID 802 1 PVID
RMON Diagnostics Maintenance	*	GE1 GE2 GE3 GE4	TX & RX TX & RX TX & RX TX & RX	902 1 PVID 602 1 PVID 602 1 PVID 802 1 PVID
RMON Diagnostics Maintenance	2	GE1 GE2 GE3 GE4 GE5	TX & RX. TX & RX. TX & RX. TX & RX. TX & RX. TX & RX.	902 1 PVID 602 1 PVID 502 1 PVID 802 1 PVID 802 1 PVID
RMON Diagnostics Maintenance	4	GE1 GE2 GE3 GE4 GE5 GE6	TX & RX	902 1 PVID 602 1 PVID 902 1 PVID 802 1 PVID 802 1 PVID 802 1 PVID
RMON Diagnostics Maintenance	*	GE1 GE2 GE3 GE4 GE5 GE6 GE7	TX & RX	982 1 PVID 802 1 PVID 802 1 PVID 802 1 PVID 802 1 PVID 802 1 PVID 802 1 PVID
RMON Diagnostics Maintenance	*	GE1 GE2 GE3 GE4 GE5 GE5 GE6 GE7 GE8	TX & RX TX & RX	902 1 PVID 602 1 PVID 802 1 PVID

Port Select: Select specified port or all ports to configure transmission state.

State: Select the transmission state of LLDP port interface.

Disable: Disable the transmission of LLDP PDUs.

RX Only: Receive LLDP PDUs only.

TX Only: Transmit LLDP PDUs only.

TX And RX: Transmit and receive LLDP PDUs both Select specified port or all port configure transmission state.

Port Select: Select specific ports.

Optional TLV Select: Select Optional TLVs.

LLDP Local Device

To display LLDP Local Device web page, click Management > LLDP > LLDP Local Device

Use the LLDP Local Device page to view information about devices on the network for which the switch has received LLDP information.

Status	*	LLDP	Local Device			
Network		-				
Switching						
MAC Address Table	0 7	COCAT DA	wide summary			
Security.	-	Chassis	ID Subtype		MAC Address	
ACL.	-	Chassis	10		DE AD BE EF 01.02	
205		System	Name		Switch	
lanagement	*	System	Description			
POE	P	Capabili	ties Supported		Bridge	
LLDP	5	Capabilit	ties Enabled		Bindge	
LLDP Global Se	itting	Port ID :	Subtype		Interface name	
LLDP Local Devi	ide					
LLDP Remote D	Penice					
LLDP Remote D MED Network P MED Port Settin LLDP Overloadin SNMP	Perice Policy ng ng b	Port Sta	nis 1			
LLDP Remote D MED Network P MED Port Settin LLDP Overloadin SNMP RMON	Perice Indicy ng D D	- Port Sta	il Interface	LLDP Status	LLDP Med Status	
LLDP Remote D MED Network P MED Port Settin LLDP Overloadin SNMP RMON	Ponice folicy ing b b b	- Port Sta Opta	il Interface GE1	LLDP Status TX & RX	LLDP Med Status Enabled	fiva
LLDP Remote D MED Network P MED Pott Settin LLDP Overloadin SIMP RMON Diagnostics Maintenance	Perice folicy ng b b	Port Star Opta	Interface GE1 GE2	LLDP Status TX.& RX TX.& RX	LLDP Med Status Enabled Enabled	18/A 18/A
LLDP. Remote D MED Network P MED Post Settin LLDP Overloadin SNMP RMON Diagnostics Maintenance	Perice holicy ng b b b t t	Port-Sta	Interface GE1 GE2 GE3	LLDP Status TX.X.RX TX.X.RX TX.X.RX	LLDP Med. Status Enabled Enabled Enabled	FUA NUA NUA
LLDP Remote D MED Network P MED Port Settin LLDP Overloadin SMMP RMON Diagnostics Maintenance	Perice Policy ag ng b b b t t	Port Sta	Interface GE1 GE2 GE3 GE4	LLDP Status TX & RX TX & RX TX & RX TX & RX TX & RX	LLDP Med Status Enabled Enabled Enabled Enabled	N/A N/A N/A
LLDP Remote D MED Network P MED Port Settim LLDP Overloadir SNMP RMON Diagnostics Maintenance	benice holicy ng b b b t t	Port Stat	I Interface GE1 GE2 GE3 GE5	LLDP Status TX & RX TX & RX TX & RX TX & RX TX & RX	LLDP Med Status Enabled Enabled Enabled Enabled Enabled	IVA NVA NVA NVA
LLDP Remote D MED Network P MED Port Vetwork P LLDP Overloadin SNMP RMON Nagnostics Asintenance	tonice folicy ng b b to	Port Stat	Interface GE1 GE2 GE3 GE5 GE6	LLDP Status TX.& RX TX.& RX TX.& RX TX.& RX TX.& RX TX.& RX TX.& RX	LLDP Med Status Enabled Enabled Enabled Enabled Enabled Enabled	594 1944 1944 1944 1944 1944 1944
LLDP Remote D MED Network P MED Por Verloadir LLDP Overloadir SIMP RMON Diagnostics Asintenance	tonice folicy ing ng b b to	Port Star Opta C	Interface GE1 GE2 GE3 GE4 GE5 GE6 GE6 GE7	LLDP Status TX & RX TX & RX	LLDP Med Status Enabled Enabled Enabled Enabled Enabled Enabled Enabled Enabled	NA NA NA NA NA NA NA NA NA

LLDP Remote Device

To display LLDP Remote Device web page, click **Management > LLDP > LLDP Remote Device**

Use the LLDP Remote Device page to view information about remote devices for which the switch has received LLDP information.

Status	7	LLDP Remote D	levice					
letwork	-							
Switching								
AC Address Table	v	- LLDP Remote Device.						
Security								
NCL.	*	Ustail Ust	Ration					
205	-	Sel Local Port	Chassis ID Subtype	Chassis ID	Port ID Subtype	Port ID	System Name	Time to Live
lanagement	-							
POE	P							
LLDP	Þ							
LLDP Global Sat	tina							
LLDP Port Settin	a							
LLDP Local Dev	0							
LLDP Remote D	vice							
MED Network Pr	hicy							
MED Port Settin	8							
LLDP Overloadin	9							
SNMP	D							
RMON	4							
liagnostics	*							

LLDP Network Policy

To display LLDP Network Policy web page, click Management > LLDP > LLDP Network Policy

Status 🗢	LLDP MED Network Policy Se	tting				
lletwork 🛩		and the second se				
Switching 👳	Voice Auto Mode Configuration					
MAC Address Table 🛛 👳	LL DR MED Rolley for Voic	Application	a tota Cittae	-		
Security 💀	cept med roney for voic	Abbucation	Adia to Man	Bai		
NCL 🗢	Apply					
2oS 🗢						
lanagement 🗢	Network Policy Configuration					
POE P	Network Policy Number	1 -				
LLDP Þ	Application	Voice				
LLDP Global Setting	VLAN ID	1 (1-4096)				
LLDP Local Device	VLAN Tag	Tagged 🐑 Untagge	d			
MED Network Policy	L2 Priority	0 (0-7)				
MED Port Setting	DSCP Value	0 (0-53)				
SNMP P RMON P	Apply					
lagnostics 🔫	La contrata de la contrata de la contra					
faintenance 👳	- TELIP MED HIMMOR POLICY Labo					
	Infeto -					
	Restored Dellas Howkins	Anotion	MANIN	WI AN THE	1.7 Delevine	DCCD Value

MED Port Setting

To display MED Port Setting web page, click Management > LLDP > MED Port Setting

SAVE LOGOUT REBO	OT REF	KESH I							
Status		LLDP Port M	ED Setting						
Network	÷.								
Switching		Part I I DP MED Ca							
MAC Address Table	~	Port CEDP MED CO	ALED Eachie	NED Cational Tills	_	MED Network Delieu			
Security	-12	Port select	MED Enable	MED Optional ILVS		MED Network Policy	_		
ACL		Select Ports	Enable •	Select Optional TLVs		Select Optional TLVs	1		
QoS	-0								
Management		Abbiy							
DOE									
LIDP	P	- LLOP MED Port St	ating Table						
LIDE Clabel Cont				100000		C TRACK			
LLDP Global Setting		Interface	LLDP MED Sta	User Def	ined Net	twork Policy		Location	Inventory
LLDP Local Device		201		Active		Application			
LLDP Remote Dev	ce	GET	Enabled	Yes				Na	No
MED Network Poli	cy	GE2	Enabled	Yes				Na	No
MED Port Setting		GE3	Enabled	Yes				No	140
LLDP Overloading		GE4	Enabled	Yes				Na	No
SNMP	¢	GE5	Enabled	Yes				No	No
RMON	Þ	GE6	Enabled	Yes				Na	No
Diagnostics		GE7	Enabled	Yes				Na	No
Maintenance	-	GE8	Enabled	Yes				Na	No
		GE9	Enabled	Yes				Na	No
		GE10	Enabled	Yes				No	No
		GE11	Enabled	Yes				Na	No
		GE12	Enabled	Yes				No	110
		GE13	Enabled	Yes				Na	No
		GE14	Fnabled	Yes				No	No

LLDP Overloading

To display LLDP Overloading web page, click Management > LLDP > LLDP Overloading

SAVE LOGOUT REBODI	REFRES	H.												
Status	*	LLDP	Port O	/erload	ing									
Network														
Switching	T.	- HIDD D	-	Cherry and	10-11-11-11-11-11-11-11-11-11-11-11-11-1									
MAC Address Table	*	• LOP Por	OWNITOA	eing ran										
Security						Status								
ACL QoS Management	a a a	Interface	Total (Bytes)	Left to Send (Bytes)	Status	Mandatory TLVs	MED Capabilities	MED Location	MED Network Policy	MED Extended Power via MDI	802.3 TLVs	Optional TLVs	MED Inventory	802.1 TLVs
POE	0	GE1	62	1426	Not Overloading	21 (Transmitted)	9 (Transmitted)		10 (Transmitted)			14 (Transmitted)		8 (Transmitted)
LLDP Global Setting	8	GE2	62	1426	Not Overloading	21 (Transmitted)	9 (Transmitted)		10 (Transmitted)			14 {Transmitted}		8 (Transmitted)
LLDP Port Setting LLDP Local Device		GE3	62	1426	Not Overloading	21 (Transmitted)	9 (Transmitted)		10 (Transmitted)			14 (Transmitted)		8 (Transmitted)
LLDP Remote Device MED Network Policy	2	GE4	62	1426	Not Overloading	21 (Transmitted)	9 {Transmitted}		10 (Transmitted)			14. (Transmitted)		8 (Transmitted)
MED Port Setting LLDP Overloading		GES	52	1425	Not. Overloading	21 (Transmitted)	9 (Transmitted)		10 (Teansmitted)			14 (Transmitted)		8 (Transmitted)
SNMP	5	GE6	62	1426	Not Overloading	21 (Transmitted)	9 (Transmitted)		10 (Transmitted)			14 (Transmitted)		8 (Transmitted)
Diagnostics	-	GE7	62	1426	Not Overloading	21 (Transmitted)	9 (Transmitted)		10 (Transmitted)			14 (Transmitted)		8 (Transmitted,
Maintenance	P	GE8	62	1426	Not Overloading	21 (Transmitted)	9 (Transmitted)		10 (Transmitted)			14 (Transmitted)		8 (Transmitted)
		GE9	62	1426	Not Overloading	21 (Transmitted)	9 (Transmitted)		10 (Transmitted)			14 (Transmitted)		8 (Transmitted)
		GE10	63	1425	Not Overloading	22 (Transmitted)	9 (Transmitted)		10 (Transmitted)			14 (Transmitted)		8 (Transmitted)
		GE11	63	1425	Not Overloading	22 (Transmitted)	9 (Transmitted)		10 (Transmitted)			14 (Transmitted)		6 (Transmitted)

SNMP

SNMP Setting

To display SNMP Setting web page, click Management > SNMP > SNMP Setting

Status 🗢	SNMP Setting		
Network 👳			
Switching o	Chillip Clabel Cetting		
MAC Address Table 👳	Simily Global Setting	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	
Security #	state o Disable	d D Enabled	
ACL 🗢	Apply		
QoS v			
Management 🦁			
POE. D	 SWMP Informations 		
LLDP Þ	Information Name	Information Value	
SNMP P	SNMP	Disabled	
SMMP Setting			
SNMP Vinw			
SNMP Access Group			
SMMP Community			
SNMP User			
SNMPv1,2 Notification Recipients			
SNMPv3 Notification Recipients			
SNMP Engine ID			
SNMP Remote Engine			
RMON Þ			
Diagnostics 👳			
Majotonanco			

State: SNMP daemon state

Enabled: Enable SNMP daemon

Disabled: Disable SNMP daemon

SNMP View

To display SNMP View web page, click Management > SNMP > SNMP View

This page is used to configure SNMP view.Used in the SNMP message Management variables (OID) to describe the switch in the Management object,MIB (Management Information Base,Management Information Base) is a set of the monitoring network equipment Management variables.View is used to control variable is how to be managed.

o sa tera	SNMP View					
Network 🗢						
Switching 👳	Many Table Catting					
MAC Address Table 👳	View Name	Fublican OID	Subtree OID Harb	Minute Torne		
Socurity 👳	view Maine	autree of	adduee orb mask	view type		
ACL 🐖			al.	e included i excluded		
QoS 👳						
Management 👳	titid					
DOE .						
1109	+ View Table Status					
SNMP P	like second				Marine and	1400 million
CHAID Cathon	View Name	Subtree	010	OID Mask	View Type	Action
SNMP View	at	.1		all	included	Delete
SNMP Access Group						
SMMP Community						
SNMP User						
SNMPv1,2 Notification						
SNMPv1.2 Notification Recipients SNMPv3 Notification Recipients						
SNMPv1,2 Notification Recipients SNMPv3 Notification Recipients SNMP Engine ID						
SNMPv1.2 Notification Recipients SNMPv3 Notification Recipients SNMP Engine ID SNMP Remote Engine ID						
SNMPV1.2 Notification Recipients SNMPV3 Notification Recipients SNMP Engine ID SNMP Remote Engine ID RMON						

SNMP Access Group

To display SNMP Access Group web page, click Management > SNMP > SNMP Access Group

This page is used to configure SNMP group ,Within the group by the user read-only, only write, inform the view to achieve the goal of access control.

Status 🛷	SNMP Acces	s Group						
letwork 👻		and the second se						
witching 👳	Access Group Sett	ing						
AC Address Table 🛛 🖶	Group Name	Security Model	Security Level	Read View Name	Write View Name	Notity View Name		
ecurity 👳	aroup mine	and and		-11	Mana	New		
CL 🗢		VI •	ncawen -	(ai)	Income +	None •		
oS 🗢	Add							
lanagement 🗢	HUL							
POF N								
	- Access Group Sta	ine,						
SNMP 6	10000			10.000				1012
CLIMD Catting	Group Name	Security Model	Security L	evel Read V	lew Name	Write View Name	Notity View Name	Action
SNMP View								
SNMP Access Group								
SMMP Community								
SNMP User								
SNMPv1,2 Notification Recipients								
SNMPv3 Notification Recipients								
StMP Engine ID								
SNMP Remote Engine								
RMON Þ								
iagnostics 👳								

SNMP Community

To display SNMP Community web page, click Management > SNMP > SNMP Community

SNMP v1 and the SNMP v2c USES the group Name (Community Name) certification, the group has played a role similar to the password. If use SNMP v1 and SNMP v2c, after configuration view, can be directly on this page to configure SNMP community.

Status	4	SNMP Comm	unity					
Network	**	In the second						
Switching	*	Community Setting						
MAC Address Table	+	Community Setting	Community Mode	Ocoup Name	View Name	Access Bight		
Security	T.	oonindrity name	Community mode	Group Rame	FIEN Rame	Rocess Right		
ACL		-	Basic *	- T	al -	ra +		
QoS	-9	Det .						
Management		HUG						
POF								
LLOP	p	- Community Status						
SNMP P		Community Name		Group Name		View Name	Access Binht	Action
SNMP Setting		walks		Order Hannie			and	Delate
SNMP View		public					TW.	Davata
SNMP Access Gro	up							
SNMP Access Gro SNMP Community	up							
SNMP Access Gro SNMP Community SNMP User SNMP-1 2 Notifica	up							
SIMP Access Gro SIMP Community SIMP User SIMPV1.2 Notifica Recipients	tion							
SIMP Access Gro SIMP Community SIMP User SIMPV1 2 Notifical Recipionts SIMPV3 Notification Protocological	up tion							
SIMP Access Gro SIMP Community SIMP User SIMPV1 2 Notifical Recipients SIMPV3 Notificatio Recipients SIMP Engine ID	up tian							
SNMP Access Gro SNMP Community SNMP User SNMPv1 2 Notifical Recipients SNMPv3 Notificatis Recipients SNMP Engine ID SNMP Remote En	up tion n							
SNMP Access Gro SNMP Community SNMP User SNMPv1 2 Notifical Recipients SNMPv3 Notificatis Recipients SNMP Engine ID SNMP Remote Engine ID	up tion In							
SIMP Access Gro SIMP Community SIMP User SIMP-12 Notificate Recipients SIMP-3 Notificate Recipients SIMP Engine ID SIMP Remote Engine ID RMON	up tian n pine							
SIMP Access Gro SIMP Community SIMP User SIMP 12 Notificat Recipients SIMP Validation Recipients SIMP Engine ID SIMP Remote Engine ID RMON	up tion n pine b							

SNMP User

To display SNMP User web page, click Management > SNMP > SNMP User

This page is used to create SNMP user under the group, And the group with the same level of security and access control permissions.

tatus 👳	SNMP User	Table							
etwork 🤨		and a second							
witching 🗸 🗸	User Setting								
AC Address Table =	User Name	Group	Privilege	Authentication	Authenti	cation Password	Encryption	Enci	votion Key
ecurity -	and the second s		Mode	Protocol			Protocol		
Cl. e	1	-	noauth ·	None -1	(And a state of the state of t	(8 - 16	Name -	1	(0 - 10
o\$ 🗢					chars)			chars}	
anagement. 🗢	Anti								
DOE .	004								
LDD N									
CARAD &	- Hear States								
								_	
SNMP Setting	User Name	Group P	rivilege Mode	Authentication Pr	otocol	Encryption Pr	otocol	Access Right	Action
SNMP View	Constant Second	and the second second						and a second	
SNMP Access Group									
SMIP Community									
SNMPv1.2 Notification									
SNMPv3 Notification Recipients									
SNMP Engine ID									
and the second se									
SNMP Remote Engine									
SNMP Remote Engine ID IMON b									

SNMPv1,2 Notifcation Recipients

To display SNMPv1,2 Notifcation Recipients web page, click **Management > SNMP > SNMPv1,2** Notifcation Recipients

iaius 🗸	Notifcation R	ecipients SNI	MPv1,2							
letwork										
witching 🤨	SNMPv1,2 Host Set	ting								
IAC Address Table 🗢	Server Address	SNMP Version	Notify Type	Community Name	UDP Po	on	TimeOut	Retries		
ecurity 🗢		v1 •.	Trans •	nublic	162 /	1.868361	R (13.200)	14.9663		
CL 👻	-			in the second se	1.000	1000001	111.3001	Atressi		
10S 🗢	Adat									
lanagement 👳										
POE D	- SHMPV1.2 How 50	100								
SNMP										
CHAIN CANAN	Server Address	SNMP Ve	ersion	Notity Type	Community Nat	me	UDP Port	TimeOut	Retry	Action
StiMP View										
SNMP Access Group										
StiMP Community										
SNMP User										
SIMPy1.2 Notification Recipients										
SNMPv3 Notification Recipients										
SNMP Engine ID										
SNMP Remote Engine										
RMON 9										
Nagnostics 👻										
alatanaana										

SNMPv3 Notification Recipients

To display SNMPv3 Notification Recipients web page, click Management > SNMP > SNMPv3 Notification Recipients

štatus 🗸 🗸	Notificastion	Recipients	SNMPv3					
letwork 🗢								
świtching 🗢	SNMPy3 Host Setti	na						
AAC Address Table 🛛 👳	Server Address	Notify Type	User Name	UDP Port	TimeOut	Retries		
incurity 🗢		Trans	-	102	Die Standing In	La net		
ici. 🗢	-	maps -		102 (1-05530)	(3-300)	(1-200)		
loS 👳	Add							
lanagement 🗢								
POE b								
LLDP Þ	- SNMPV111031 State	林						
SNMP Þ	Server Address		Notify Type	User Name	UDP Port	Time Out	Retry	Action
SNMP Setting.	Provide States							
SNMP View								
SNMP Access Group								
SNMP User								
SNMPv1,2 Notification								
SNMPv3 Notification Recipients								
SNMP Engine ID								
SNMP Remote Engine								
RMON P								
lagnostics 👳								
taintenance -								

SNMP Engine ID

To display SNMP Engine ID web page, click Management > SNMP > SNMP Engine ID

Status 🗢	Engine ID Setting			
letwork 🗢				
Switching 👳	Engine ID Settings			
MAC Address Table 🛛 🛩	Use Detault	R Footlag III Disabled		
Security 👳		e chases - brases		
ACL 👳	Engine ID	DEAUBLEP0102 (10-64)		
205 🗸	Aug 1			
Management 👳	ebbo			
DOT 1				
POE P	- Figure 10 Status			
SIMP b				
and a second sec	Information Name		Information Value	
SMMP Setting	Use Default		Enabled	
SNMP Access Group	Engine ID		DEADBEEF0102	
SNMP Community				
SNMP User				
SNMPv1.2 Notification				
Recipients				
Recipients				
SNMP Engine ID				
SNMP Remote Engine				
RMON Þ				
Diagnostics 😁				

SNMP Remote Engine ID

To display SNMP Remote Engine ID web page, click **Management > SNMP > SNMP Remote** Engine ID

Status 🗢	SNMP Remote Engine ID		
letwork 🗢			
świtching 🗢	Remote EngineID Setting		
MAC Address Table 👳	Pamote IP Address Engine		
Security 🗢			
ACL 👳			
205 ÷	AM		
Management ÷			
POE P	- Rinnele Engline ID Statur		
SNMP D	Remote IP Address	Remote Engine ID	Action
SNMP Setting			
SIMP View			
SNMP Community			
StiMP User			
SNMPv1,2 Notification			
SNMPv3 Notification			
Recipients			
SNMP Engine ID			
ID SAMP Remote Engine			
RMON P			
Diagnostics 🗢			
Malatanaana			

RMON

RMON Statistics

To display RMON Statistics web page, click Management > RMON > RMON Statistics

SAVE LOGOUT REBOO	REFRES	H	
Status	9.	RMON Statistics	
Network	Ŧ		
Switching	-12		
MAC Address Table		- Port GE1 RMON Statistics	
Security	~	Port GE1 • Clean	
ACL	-494		
QoS	*	RMON Mib Name	Value
Management	~	etherStatsDropEvents	0
		etherStatsOctets	0
POE	P	etherStatsPkts	0
CLUP	P	etherStatsBroadcastPkts	0
RMON	Þ	etherStatsMulticastPkts	0
RMON Statistics		etherStatsCRCAlignErrors.	0
RMON Event	_	etherStatsUnderSizePkts	0
RMON Event Log		etherStatsOverSizePkts	0
RMON Alarm		etherStatsFragments	0
RMON History		etherStatsJabbers	0
RMON History Log		etherStatsCollisions	0
Diagnostics	-	etherStatsPkts64Octets	0
Maintenance	-124	etherStatsPkts65to127Octets	0
		etherStatsPkts128to255Octets	0
		etherStatsPkts256to511Octets	0
		etherStatsPkts512to1023Octets	0
		ather State Date 1024te 1618O atate	

RMON Event

To display RMON Event web page, click Management > RMON > RMON Event

This page is used to configure RMON event group.

Status		RMON EV	ent Settinas	1				
Vetwork	*							
witching	-	RMON Event						
IAC Address Table	*	Select Index	Create New					
ocurity	*	our an and an	Citale tren	- Canad				
CL	. 64	Index	0	(1-65535)				
JoS	~	Туре	None	10				
Management		Community	public	-]				
POE	ø	Owner		(0-31 Characters)				
SNMP RMON		Description			+ (0+127 Charactors)			
RMON Statistics RMON Event RMON Event Log RMON Alarm	-	Apply						
RMON History RMON History Log		- Romin Event						
	-	Index	Event Type	Community	Description	Last Sent Time	Owner	Action
nudvostics								

RMON Event Log

To display RMON Event Logweb page, click Management > RMON > RMON Event Log

SAVE LOGOUT REBO	OT REFRES	Ĥ				
Status	-	RMON Eve	ent Log Table			
Network		and the second sec				
Switching		International Academics				
MAC Address Table	~	RILOW Event Lo	og tåblg			
Security		Event Index S	elect Event ·			
ACL	-	Inday	Alarm Index	Action	Lon Time	Description
QoS		INGER	Anaria mosta	Action	rolf i mie	u escription
Management	~					
POE	D.					
LLDP	5					
SMMP	P.					
RMON	6					
RMON Statistics						
RMON Event						
RMON Event Log						
RMON Alarm						
RMON History						
RMON History Log						
Diagnostics	-					
Maintenance						

RMON Alarm

To display RMON Alarm web page, click Management > RMON > RMON Alarm

Status	~	RMON Alarm Settings	- 21		
letwork					
Switching		RMON Alarm			
MAC Address Table	-	Select Index	Create New		
iocurity	*	Index	0	La agener	
ACL	2	English Rend		(1+65535)	
105	7	sample Port	GC1		
nanagement	4	Sample Variable	DropEvents	•	
POE	Ð	Sample Interval	0	(1-2147483647)	
SNMP	P P	Sample Type	🗇 absolute 🗇 d	leita	
RMON	Þ	Rising Threshold	0	(0-2147403647)	
RMON Statistics		Failing Threshold	0	(0-2147483647)	
RMON Event Log		Rising Event	0: None (Unassig	aned) 🖛	
RMON Alarm		Falling Event	0: None (Unassig	gned) -	
RMON History Log		Owner		(0-31 Charactors)	
Diagnostics	4	Apply			
laintenance	•				
		- Room Alaim			
		and the second second second			

This page is used to configure RMON statistics group and alarm group.

RMON History

To display RMON History web page, click Management > RMON > RMON History

This page is used to configure the PMON history group.

	-	RMON History Settin	ngs		
Network	- 99				
Switching	100	RMON History			
MAC Address Table	7	Select Index	Create New -		
Security	4	Index	0 (1-65535)		
QoS		Sample Port	GE1 -		
Management		Bucket Requested	50 (1-65535; Default 50)		
POE	Þ	interval	1800 (1-3500 Default 1800)		
LLDP	P	Owner	(0~31 Charactors)		
SIMP					
RMON RMON Statistics RMON Event RMON Event Log RMON Alarm	Þ	Apply • Rimon History			

RMON History Log

To display RMON History Log web page, click Management > RMON > RMON History

Log

SAVE LOGOUT REBO	OT REFRES	98	
Status	~	RMON History Table	
Network	*		
Switching	•	Distance of the second s	
MAC Address Table		- HMON HISTORY TABLE	
Security		History Index Select History	
ACL	-	Redes collected	
QoS	-	no dere exemente:	
Management	4		
POE			
LLDP	6		
SNMP	P		
RMON	P		
RMON Statistics			
RMON Event			
RMON Event Log			
RMON Alarm			
RMON History	_		
RMON History Log			
Diagnostics			
Maintenance			

5.9 **DIAGNOSTICS**

Use the Diagnostics pages to configure settings for the switch diagnostics feature or operating diagnostic utilities.

System Status

To display System Status Log web page, click Diagnostics > System Status

Status	~	CPU And Memor	y Information	
Network	-12	and the second s		
Switching	-19	CPU MEM_USED	MEM_FREE	Refresh penad (5 💌 ser
MAC Address Table	*	1		
Security	-			
ACL	-			
QøS				
Management				
Diagnostics	-			
System Status				
Ping Test	_	1 m m		
Logging Setting		OPU	USED	FREE
Factory Default		3.3%	73.6%	26.4%
Reboot Switch				
and the second se	_			

Ping Test

To display Ping Test Log web page, click **Diagnostics > Ping Test**

Status	1	Pine	Test	
Network			Contraction of the	
Switching		Ping test	Setting	
MAC Address Table	Ψ.	IP	the second second	
Security		Address	192 168 1.100	(s.s.s or nostname)
ACL	199	Count	4	(1 - 5) Default , 4)
QeS	7	Interval	1	1. Storent is
Management		(in sec)		(1-3) Ceram (1)
Diagnostics		Size (in bytes)	56	(8-5120 (Default 56)
System Status				
Ping Test				
Logging Setting	Þ			
Factory Default				
Reboat Switch		Rind		
Maintenance		Results		

IP Address: The IP address of ping target.

Count: How many times to send ping request packet.

Interval: Time interval between each ping request packet.

Size: The size of ping packet.

Ping Results: After ping finished, results will show in this field.

Logging Setting

Logging Service

To display Logging Service web page, click **Diagnostics > Logging Setting > Logging Service**

Status	Logging Settings		
Switching	Longing Sattings		
MAC Address Table	Logging Service	©Enabled OD(sabled	
Security			
AGL	Apply		
0oS -			
Management			
Diagnostics	- Lawrence Information		
System Status	Information Name	Information Value	Ke la
Ping Test	Logging Service	enabled	
Logging Setting	þ.		
	0		
Logging Service			
Logging Service Local Logging			
Logging Service Local Logging Remote Logging			
Logging Service Local Logging Remote Logging Pactory Default			

Local Logging

To display Local Logging web page, click **Diagnostics > Logging Setting > Local Logging**

itatus	~	Local Loggi	ing			
letwork						
witching			tting			
AC Address Table		Target	rung	Reverity		
ecurity		raider		severity		
cL	*	Select Fargets		Zelect Levels	•	
loS		Annth				
	_	white				
lanagement	-					
lanagement liagnostics	7		_			
lanagement liagnostics		- Encal Legging 5	control State	11		
tanagement Hagnostics System Status Ping Test	4	→ Local Logquog S	Gentlern State	IF.	Canada	Autor
tanagement Hagnostics System Status Ping Test Logging Setting	6 B	 Local Logging S Status 	venting State Target	ir.	Severify	Action
Innegement Ragnostics System Statum Ping Test Logging Setting Logging Setting	5	Status I unabled I	<mark>Vertifing State</mark> Target Dufferød	ne	Severiny amorg, allert, crit, error, warning, notice, info	Action
lanagement Itagnostics System Status Ping Test Logging Setting Logging Setvice Local Logging	5 B	- Local Logging S Status unabled 1	<mark>Settling State</mark> Target Dullferød	00	Severity emerg. allert. crit, error, warning, notice, infe	Action Delete
lanagement Itagnostics System Status Ping Test Logging Setting Logging Service Local Logging Remote Logging	5 2	 Local Logging S Status vnabled 	Terget Dufferød	IF	Severity amorg, alert, crit, error, warning, notice, info	Action
Linegement Lingnostics System Status Ping Test Logging Setting Long Setting Local Logging Remote Logging Reactor Default	5 7	s - Local Logging S Status 1 vnabled 1	Kenting Statu Target bullfered	ie <u> </u>	Severing emerg, alert, crit, error, warning, notice, info	Action

Target: Select the target to store log message

RAM: Store log messages in RAM disk. All log messages will disappear after system reboot.

FLASH: Store log messages in FLASH. All log messages will not disappear after system reboot.

Severity: Select severity of log messages which will be stored.

Remote Logging

To display Remote Logging web page, click **Diagnostics > Logging Setting > Remote Logging**

aturua	.77.	Remote Lo	aging				
Network	-	The balance of the sec					
Switching	w.	Remote Longing	Setting				
MAC Address Table	- 92	Server Address	Server Port	Severity	Facility		
locurity			P14	Salart Lavale	i i i i i i i i i i i i i i i i i i i	100	
CL	÷	-	(1-65535)	Scient Levels	10Cath		
IoS	-	Apply					
lanagement	*	Const.					
liagnostics	10	-					
System Status		· Remote Loggi	ng Senting Station				
System Status Ping Test		- Remote Loggit	Server Infe		Severity	Facility	Action
System Status Ping Test Logging Setting	Þ	- Rémote Loggit Status	Server Info		Severity	Facility	Action
System Status Ping Test Logging Setting Logging Setvice	Þ	- Rémote Loggit Status	Server Infi		Severity	Facility	Action
System Status Ping Test Logging Setting Logging Setvice Local Logging	Þ	Status	ig Serting Status Server Infi	•	Severity	Facility	Action
System Status Ping Test Logging Setting Logging Service Local Logging Remote Logging	Þ	- Remote Laggi	Server Info		Severity	Facility	Action
System Status Ping Test Logging Setting Logging Setvice Local Logging Remote Logging Factory Default	Þ	- Remote Loggi	ig Setting Status Server Info	. 9	Severity	Facility	Action

Server Address: The IP address of remote log server.

Server Port: The Port number of remote log server.

Severity: Select severity of log messages which will be sent.

Factory Default

To display Factory Default web page, click **Diagnostics > Factory Default**

This page allow user to restore switch to factory default by pushing "Restore" button.



Reboot Switch

To display Reboot Switch web page, click Diagnostics > Reboot Switch

This page allow user to reboot the switch by pushing "Reboot" button.



5.10 MAINTENANCE

Use the Maintenance pages to configure settings for the switch network interface and how the switch connects to a remote server to get services.

Backup Manager

To display Backup Manager web page, click Maintenance > Backup Manager

This page allow user to backup the firmware image or configuration file on the switch to remote TFTP server or host file system through HTTP protocol.

SAVE LOGOUT REBOOT	REFR	RESH	
Status	~	Backup Manager	
Network	~		
Switching	~	Backup Manager	
MAC Address Table	~	Packup Mothod	тетр
Security	~	Backup Method	
ACL	~	Server IP	
QoS	~		⊙ Image
Management	~	Bashun Tura	O Startup configuration
Diagnostics	~	Backup Type	O Backup configuration O Flah log
Maintenance	~		O Buffer log
Backup Manager		Image	⊙Partition0 (Active) ○Partition1 (Backup)
Upgrade Manager Dual Image Configuration Manager Account Manager Enable Password	,	Backup	

SAVE LOGOUT REBOO	DT REFR	ÆSH	
Status	~	Backup Manager	
Network Switching	⊽ ⊽	Backup Manager	
MAC Address Table	▽ ▽	Backup Method	HTTP
ACL QoS Management	⊽ ⊽	Васкир Туре	 Image Startup configuration Backup configuration Flah log Buffer log
Maintenance	▼	Image	⊙Partition0 (Active) ○Partition1 (Backup)
Backup Manager Upgrade Manager Dual Image Configuration Manag Account Manager Enable Password	er	Backup	

Backup Method: Select backup method

TFTP: Use TFTP to backup

HTTP: Use HTTP to backup

Server IP: IP address of the TFTP server. If the TFTP backup method is selected, the IP address of the TFTP server must be assigned.

Backup Type: Select Backup Type

Upgrade Manager

To display Upgrade Manager web page, click Maintenance > Upgrade Manager

This page allow user to upgrade new firmware image or configuration file to the switch from remote TFTP server or select file from web browser.

SAVE LOGOUT REBOOT REF	FRESH	
Status ⊽ Network ⊽	Upgrade Manager	
Switching \bigtriangledown	Upgrade Manager	
MAC Address Table	Upgrade Method	TFTP
ACL \bigtriangledown	Server IP	
QoS 🗢	File Name	
Management ▼ Diagnostics ▼ Maintenance ▼	Upgrade Type	 Image Startup Configuration Backup Configuration
Backun Manager	Image	◯ (Active) ⓒ (Backup)
Upgrade Manager Dual Image Configuration Manager Account Manager Enable Password	Upgrade	

SAVE LOGOUT REBOOT	REFRESH	
Status	Upgrade Manager	
Switching .	Upgrade Manager	
MAC Address Table	Upgrade Method	НТТР
ACL QoS	7 Upgrade Type	
Management 🔹	7 Image	🔿 (Active) 💿 (Backup)
Diagnostics .	Browse file	[浏览]
Backup Manager Upgrade Manager Dual Image Configuration Manager Account Manager Enable Password	Upgrade	

Upgrade Method: Select upgrade method

TFTP: Use TFTP to upgrade

HTTP: Use HTTP to upgrade

Server IP: IP address of the TFTP server. If the TFTP upgrade method is selected, the IP address of the TFTP server must be assigned.

File Name: Firmware image or configuration file name on remote TFTP server. If the TFTP upgrade method is selected, the file name must be specified.

Browse file: If the HTTP upgrade method is selected, the browse file field allow you to select any file on host operating system.

Upgrade Type: Select Backup Type

Dual Image

To display Dual Image web page, click Maintenance > Dual Image

Status 🗢	Dual Image	1		
Network 👳				
Switching 🔗	Dual Image Configure	tion		
MAC Address Table 🔗	Active Image	@ Partition (Action) O P	selflant (Basine)	
Security 🗢	Accive milage	CPathtonu (Active) CP	annon i (eascap)	
ACL 🖛	Apply			
v ZoQ				
Management 🗢	- Interest Internetion			
Diagnostics 🛛 👳	e mages mournamen			
Maintenance 🤝	Partition0		Active	
Backup Manager	Flash Partition		0	
Upgrade Manager	Image Name			
Dual Image	image Size		5679455 Bytes	
Configuration Manager	Created Time		2014-03-18:13:26:37 UTC	
Enable Password				
	Partition1		Backup	
	Flash Partition		1	
	Image Name			
	Image Size		131073 Bytes	
	Created Time		1970-01-01 00:00:00 070	

Configuration Manager

To display Configuration Manager web page, click Maintenance > Configuration Manager

SAVE LOGOUT REBOOT RE	FRESH	
StatusマNetworkマ	Configuration Manager	
Switching 🗢	Save Configuration	
MAC Address Table 🗢	Source File	Running configuration
ACL \bigtriangledown	Destination File	 Startup configuration ○ Backup configuration
QoS ▽		
Management 🗢	Apply	
Diagnostics 🗢 🗢		
Maintenance 🗢 🗢		
Backup Manager Upgrade Manager Dual Image Configuration Manager Account Manager Enable Password		

Account Manager

To display Account Manager web page, click Maintenance > Account Manager

This page allow user to add or delete switch local user database for authenticating.

contraction of the second seco	.0	Local User	Information					
Network	-							
Switching	*	New Hear						
MAC Address Table		User Name	Password Type	Password	Retype Password	Privilege Type	Privilege Value	
Security	-		Clear Test			Admin al		
ACL	-	1	Citat Jext			(Addition (20)	12	
QoS	-01	Apply						
Management	-							
Diannostics	~	The second se						
and the second second		The second se						
Maintenance		* Local Users		_				
Maintenance Backup Manager		+ Local Users User Name	Password Typ	e	Privilege Type	Privil	ege Value	Modify
Maintenance Backup Manager Upgrade Manager	4	User Name	Password Typ Encrypted	e	Privilege Type Admin	Privil-	ege Value	Modify
Maintenance Backup Manager Upgrade Manager Dual Image	a	+ Local Users User Name edmin	Password Typ Encrypted	e	Privilege Type Admin	Privil 15	ege Value	Modify Delete
Maintenance Backup Manager Upgrade Manager Dual Image Configuration Manag	er	User Name admin	Password Typ Encrypted	e.	Privilege Type Admin	Privila 15	ege Value	Modify Delete

User Name: User name for new account.

Password Type: Select password type for new account.

Clear Text: Password without encryption

Encrypted: Password with encryption

No Password: No password for the new account.

Password: If the password type is not "No Password", the password must be specified.

Retype Password: Retype password to make sure the password is exactly you typed before in "Password" field.

Privilege Type: Select privilege level for new account.

Admin: Allow to change switch settings.

User: See switch settings only. Not allow to change it.

If AAA feature is enabled, we have one more privilege type to allow user adding privilege value for this account.

status	~	Local User I	Information					
letwork	*							
witching	* Ne	w User						
AC Address Table		User Name	Password Type	Password	Retype Password	Privilege Type	Privilege Value	
ecurity	*		Clear Text +		-	Other -	2 -	
CL	-		onun rem				2	
loS	2	Apoly					3	
lanagement	2						5	
lagnostics	-						7	
aintenance	T	- Local-Users-				-	8	
Backup Manager		User Name	Password Typ	0	Privilege Type	Privi	10	Modify
Upgrade Manager		admin	Encrypted		Admin	16	12	Definite
Dual Image							14	
Configuration Manager								
Configuration Manager Account Manager								

User Name: User name for new account.

Password Type: Select password type for new account.

Clear Text: Password without encryption

Encrypted: Password with encryption

No Password: No password for the new account.

Password: If the password type is not "No Password", the password must be specified.

Retype Password: Retype password to make sure the password is exactly you typed before in "Password" field.

Privilege Type: Select privilege level for new account.

Admin: Allow to change switch settings.

User: See switch settings only. Not allow to change it.

Other: Assign privilege level value in Privilege value field.

Privilege Value:If the account privilege type is "Other", set the privilege level for this account here. The valid privilege level is from 2 to 14.

Enable Password

To display Enable Password web page, click Maintenance > Enable Password

This page allow user to modify the enable password. In command line interface, user can use "enable" command to change their privilege level to "Admin". After "enable" command is issued, user need to type the enable password to change their privilege level.

Status	4	Local Enable Password		
Network				
Switching	.0	Setup Enable Password		
MAC Address Table	÷	Privilege Value	15 -	
Security	-	Password Type	Clear Text -	
ACL	*	Password		12 M
QoS	1	Retype Password		
Management				
Diagnostics		Apply		
Maintenance	•			
Backup Manager		- Local Enotife Pesswords		
Upgrade Manager		and the second sec		
Dual Image		Privelege Value	Pasaword Type	Modify
Configuration Manage		15	Encrypted	Delete
Proceeding maninger	-			

Password Type: Select password type for enable password.

Clear Text: Password without encryption

Encrypted: Password with encryption

Password: Password string.

Retype Password: Retype password to make sure the password is exactly you typed before in "Password" field.