

FNS200-Series switch user manual



Xiamen Four-Faith Communication Technology Co.,Ltd

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Log into the Switch Web Interface

The default management address of the switch is 192.168.10.12/24, when logging into the web management page of the switch, you need to set the IP address of the local network card and the IP address of the switch are in the same segment, as shown in the following screen: the IP address of the local network card is set to 192.168.10.222/24.

☐ Obtain an IP address automatically

☒ Use the following IP address:

IP address:	192 . 168 . 10 . 222
Subnet mask:	255 . 255 . 255 . 0
Default gateway:	. . .

Enter the management address of the switch in the search bar of the browser, screen as below:



Confirm to enter the web verification page of the switch.

A screenshot of the 'User Login' page of the switch web interface. The page has a dark blue background with a lighter blue gradient. At the top, the text 'User Login' is displayed in white. Below this, there are two white input fields. The first field is labeled 'User Name' and has a blue user icon to its left. The second field is labeled 'Password' and has a blue padlock icon to its left. Below these fields is a blue button with the text 'Login' in white.

User Name: admin

Password: admin.

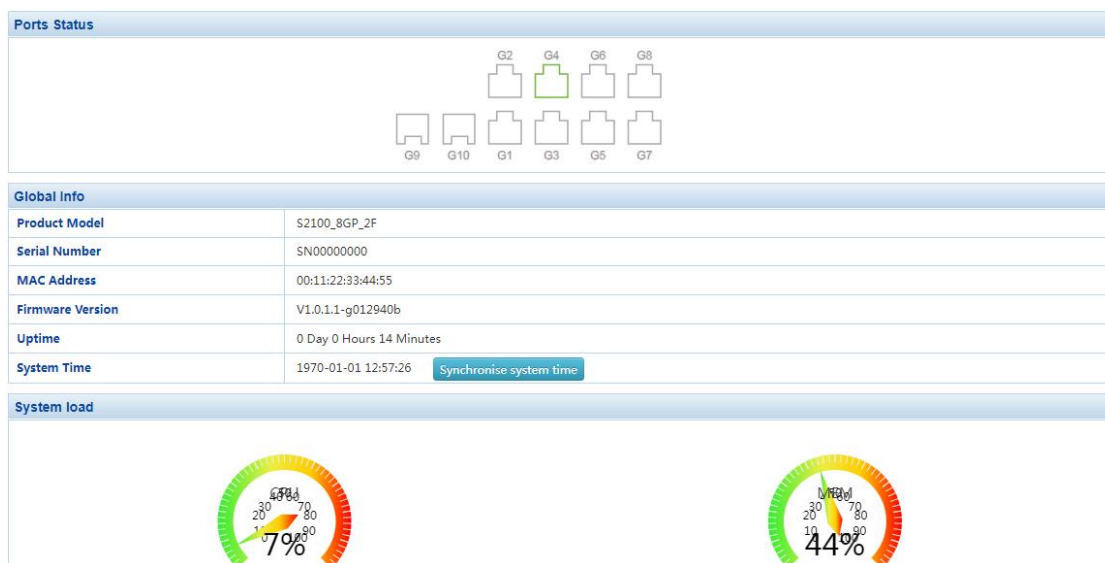
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Click login to login to the web interface of the switch.

Switch Information


This module is used to view the internal data of the switch when it is running, including the flow rate of the port, the working mode, and the log information of the switch.

Global Information

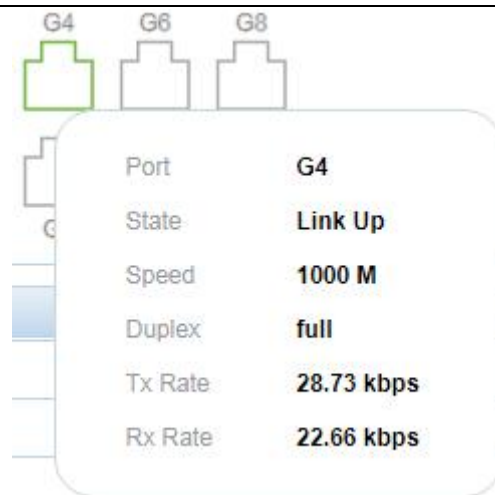





The following functions are included:

- ① View the current port status, port working mode and port speed of the switch. Move the

mouse to the  icon and the port name, status, bandwidth, duplex mode, and rate will be displayed.

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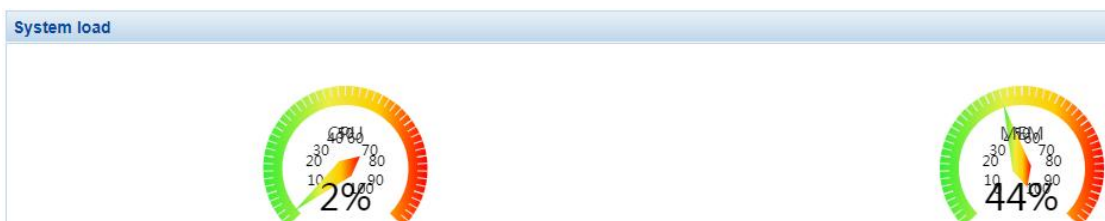


 indicates that the port has been enabled and the connection has been established,
 indicates that the port is not enabled, and  indicates the optical port.

② View the switch property information, click [Synchronise system time](#) in the page to synchronize the local computer time with the system time of the switch.

Global Info	
Product Model	S2100_8GP_2F
Serial Number	SN000000000
MAC Address	00:11:22:33:44:55
Firmware Version	V1.0.1.1-g012940b
Uptime	0 Day 0 Hours 16 Minutes
System Time	1970-01-01 12:59:26 Synchronise system time

③ To check the CPU and memory usage of the switch.



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Statistical Information

To check the message data received and sent by various ports, including Basic Packet Statistics, Detailed Packet Statistics, MAC Frame Length Statistics and MAC Frame Error Statistics.

Basic Packet Statistics								
View Switching: Statistics from last clear-up								
Port	Rx Bytes	Rx Packets	Rx Dropped	Rx Errors	Tx Bytes	Tx Packets	Tx Dropped	Tx Errors
G1	1132475	6486	232	0	1703815	6079	0	0
G2	0	0	0	0	0	0	0	0
G3	0	0	0	0	0	0	0	0
G4	752996	4382	169	0	1007070	4049	0	0
G5	0	0	0	0	0	0	0	0
G6	0	0	0	0	0	0	0	0
G7	0	0	0	0	0	0	0	0
G8	0	0	0	0	0	0	0	0
G9	0	0	0	0	0	0	0	0
G10	0	0	0	0	0	0	0	0

Clear

Log Information

Log is used to view simple switch log, and can view switch startup and port startup data, screen as blew:

Log List						
Showing 1 to 20 of 24 rows 20 rows per page						
Index	System Time	Log Level	Type	Module	Param	Log Content
1	1970-01-01 12:53:53	alert	Link	PORT	G4	Interface [G4] state change to up.
2	1970-01-01 12:53:50	alert	Link	PORT	G1	Interface [G1] state change to down.
3	1970-01-01 12:53:17	event	Login	System	User	User admin login form ip [192.168.10.88]
4	1970-01-01 12:45:18	event	Login	System	User	User admin login form ip [192.168.10.88]
5	1970-01-01 12:43:15	alert	Link	PORT	G1	Interface [G1] state change to up.
6	1970-01-01 12:43:13	alert	Link	PORT	G1	Interface [G1] state change to up.
7	1970-01-01 12:39:58	alert	Link	PORT	G1	Interface [G1] state change to up.
8	1970-01-01 10:23:29	alert	Link	PORT	G1	Interface [G1] state change to down.
9	1970-01-01 09:30:30	event	Login	System	User	User admin login form ip [192.168.10.88]
10	1970-01-01 08:00:32	alert	Link	PORT	G1	Interface [G1] state change to up.
11	1970-01-01 08:00:31	alert	PoE	POE		POE chip detects error, poe process exits.
12	1970-01-01 08:00:29	alert	Link	PORT	G1	Interface [G1] state change to up.

Alarm List

This page is used to view the alarm information of the switch;

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Refresh




Delete

<input type="checkbox"/>	Index	System Time	Log Level	Type	Module	Param	Log Content	
No matching records found								

Port Management





















Port Configuration

In this page, you can set the port rate, duplex mode, the max frame length (the value range is 1518-10240), flow control and switch port.

In the link status,  indicates that the port is not connected, or the port has been manually down. When the link status is  or  , it indicates that the port is working normally, the color is the port working mode (green is Gigabit, yellow is 100MB).

On this page, you can not only view the port link status and port working mode, but also set the port working mode, such as "100MB full / half duplex", "Gigabit full / half duplex" and "adaptive". You can also close the specified port through this page, which is the same as the command "shut down".

For the frame size setting, the default is basic frame 1522, which can be modified to super long frame 9600. The value range of this item is 1518-10240.

Name	State	Medium	Speed	Duplex	Flowctl State	Speed Config	Max Frame	Flowctl	Enable
Select All						Auto		<input type="checkbox"/>	<input type="checkbox"/>
G1		COPPER	1000M	Half		Auto	1518	<input type="checkbox"/>	<input type="checkbox"/>
G2		COPPER	1000M	Full		Auto	1518	<input type="checkbox"/>	<input type="checkbox"/>
G3		COPPER	1000M	Full		Auto	1518	<input type="checkbox"/>	<input type="checkbox"/>
G4		COPPER	1000M	Full		Auto	1518	<input type="checkbox"/>	<input type="checkbox"/>
G5		COPPER	1000M	Full		Auto	1518	<input type="checkbox"/>	<input type="checkbox"/>
G6		COPPER	1000M	Full		Auto	1518	<input type="checkbox"/>	<input type="checkbox"/>
G7		COPPER	1000M	Full		Auto	1518	<input type="checkbox"/>	<input type="checkbox"/>
G8		COPPER	1000M	Full		Auto	1518	<input type="checkbox"/>	<input type="checkbox"/>
G9		FIBER	1000M	Full		Auto	1518	<input type="checkbox"/>	<input type="checkbox"/>
G10		FIBER	1000M	Full		Auto	1518	<input type="checkbox"/>	<input type="checkbox"/>

Apply

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Port Isolation

This page is used to configure the port isolated. The isolated ports cannot communicate with each other, and the isolated ports can communicate with other non isolated ports.

Select All

All Not Isolatio

Name	Port Isolate	Name	Port Isolate
G1	<input type="checkbox"/>	G2	<input type="checkbox"/>
G3	<input type="checkbox"/>	G4	<input type="checkbox"/>
G5	<input type="checkbox"/>	G6	<input type="checkbox"/>
G7	<input type="checkbox"/>	G8	<input type="checkbox"/>
G9	<input type="checkbox"/>	G10	<input type="checkbox"/>

Tip: Unable to communicate between isolated ports
Tip: Isolated ports can communicate with other devices

Apply

Mirroring Port

This page is used to configure the mirror port,

Mirror Destination PortNone Mirror

 is used to configure to accept mirror data;

Mirror Destination PortNone Mirror

 is used to configure all port mirroring properties in one step.

The configuration representative in the following page mirrors the sent message data of port 4 to port 1, screen as blew:

Mirror Destination PortG1

Port ConfigNone Mirror

Port	Mirror Direction	Port	Mirror Direction
G1	None Mirror	G2	None Mirror
G3	None Mirror	G4	Tx Mirror
G5	None Mirror	G6	None Mirror
G7	None Mirror	G8	None Mirror
G9	None Mirror	G10	None Mirror

Apply

Rate Limited

This page is used to limit the upper limit of port rate;

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Port	Ingress Rate(kbps)	Ingress Burst Size (Kbits)	Egress Rate(kbps)	Egress Burst Size (Kbits)
*	Global Config	Global Config	Global Config	Global Config
G1	0	2048	0	2048
G2	0	2048	0	2048
G3	0	2048	0	2048
G4	0	2048	0	2048
G5	0	2048	0	2048
G6	0	2048	0	2048
G7	0	2048	0	2048
G8	0	2048	0	2048
G9	0	2048	0	2048
G10	0	2048	0	2048

Cancel

Apply

Storm Control

This page is used to limit the packet rate of port broadcast, multicast and unicast,

Port	Broadcast(pps)	Multicast(pps)	Unknown Unicast(pps)
*	Global Config	Global Config	Global Config
G1	0	0	0
G2	0	0	0
G3	0	0	0
G4	0	0	0
G5	0	0	0
G6	0	0	0
G7	0	0	0
G8	0	0	0
G9	0	0	0
G10	0	0	0

Cancel

Apply

Port Energy Saving

This function is used to open the energy saving mode of switch port, screen as blew:

Select All

Name	EEE	Name	EEE
G1	<div><div></div><div></div><div></div></div>	G2	<div><div></div><div></div><div></div></div>
G3	<div><div></div><div></div><div></div></div>	G4	<div><div></div><div></div><div></div></div>
G5	<div><div></div><div></div><div></div></div>	G6	<div><div></div><div></div><div></div></div>
G7	<div><div></div><div></div><div></div></div>	G8	<div><div></div><div></div><div></div></div>

















Apply

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PoE

PoE Port Configuration

You can view the working status of the port PoE and the current voltage and current data provided, screen as blew:

Port	linkState	Power Supply State	Voltage(V)	Current(mA)	Power(w)	Priority	Enable
Select All						low	<input type="checkbox"/>
G1			0	0	0	middle	<input type="checkbox"/>
G2			0	0	0	middle	<input type="checkbox"/>
G3			0	0	0	middle	<input type="checkbox"/>
G4			0	0	0	middle	<input type="checkbox"/>
G5			0	0	0	middle	<input type="checkbox"/>
G6			0	0	0	middle	<input type="checkbox"/>
G7			0	0	0	middle	<input type="checkbox"/>
G8			0	0	0	middle	<input type="checkbox"/>

Apply

In the link column of the page,  indicates that the port has no data transmission,  indicates that the port is in forwarding state,  in the power supply status column indicates that the port is not PoE powered, and  indicates that the port is in PoE power supply state. The voltage, current, and power columns respectively display the voltage, current and power provided by the POE power supply port. The priority column is used to change the PoE power supply priority of the switch port. When the overall power is insufficient, the port with higher priority will give priority to power supply. The startup bar is used to enable the port PoE function.

Devices Power Supply

This page is used to set the total output power of the switch, with a value range of 60 ~ 300W. It can also be used to view the total output power and chip temperature of the current switch.

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Max Total Power

range : 60-300W

Set

Total Power: 0 (W)

Chip	Temperature(°C)	Voltage(V)	Power(w)
1	48.3	47.5	0

Timing Power Supply Configuration

Configure the periodic outage period or specific outage time of the switch.

Time Range Config

Timing Supply Config

ADD Time Range

Name

Add

Config the time

Time-Range Name

Del

☒ Absolute ☐ Periodic

Start Time

End Time

Time

-

Week

☒ Sun ☒ Mon ☒ Tue ☒ Wed ☒ Thu ☒ Fri ☒ Sat

Add

Name	State	Time
No matching records found		

Apply the set power-off time to the port, and turn on this function by default for all ports.

Time Range Config

Timing Supply Config

Port	linkState	Power Supply State	Voltage(V)	Current(mA)	Power-off Time Range	Timing Power Sup
Select All					<input type="text"/>	<input type="checkbox"/>
G1			0	0	<input type="text"/>	<input type="checkbox"/>
G2			0	0	<input type="text"/>	<input type="checkbox"/>
G3			0	0	<input type="text"/>	<input type="checkbox"/>
G4			0	0	<input type="text"/>	<input type="checkbox"/>
G5			0	0	<input type="text"/>	<input type="checkbox"/>
G6			0	0	<input type="text"/>	<input type="checkbox"/>
G7			0	0	<input type="text"/>	<input type="checkbox"/>
G8			0	0	<input type="text"/>	<input type="checkbox"/>

Apply

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Intelligent Power Supply Configuration

Set PoE port to automatically disconnect power supply when there is no data transmission within a certain period of time. The default value is that when there is no data transmission in 120 seconds, the POE port will disconnect the power supply, and the value range is 60 ~ 600 seconds.

PoE AI config

AI Port config

PoE AI

☐

Notice: OneKey PoE AI enabled automatically.

Zero Flow Interval

Range: 60-600 (S)

Notice: Port's zero flow automatic detection, if more than the zero flow interval, then interrupt the port's PoE power supply, 10 seconds later restart it's power supply again.

Apply

Open the port intelligent power supply function, which is all on by default.

PoE AI config

AI Port config

Port	AI Port
Select All	<input type="checkbox"/>
G1	<input type="checkbox"/>
G2	<input type="checkbox"/>
G3	<input type="checkbox"/>
G4	<input type="checkbox"/>
G5	<input type="checkbox"/>
G6	<input type="checkbox"/>
G7	<input type="checkbox"/>
G8	<input type="checkbox"/>

Apply

L2 Management

MAC address table

Check the MAC address of the device mounted on the switch

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AddDel

Expired Time(s):300Set

<input type="checkbox"/>	Index	MAC Address	vlan	Port	Type
<input type="checkbox"/>	1	00-26-9e-f6-93-f5	1	G4	dynamicBind

Total 1 recordsTotal 1 pagesCurrent 1 pageFirst < Previous Next > Last

VLAN Configuration

This page includes viewing VLAN State, VLAN Configuration, Voice VLAN Configuration, MAC VLAN configuration and IP VLAN configuration.

Screen as blew:

Vlan State		Vlan Config		Voice VLAN Config		MAC VLAN Config		IP VLAN Config		
Vlan	Port									
	G1	G2	G3	G4	G5	G6	G7	G8	G9	G10
	1	U	U	U	U	U	U	U	U	U

X Excluded

T Tagged

U Untagged

The screen below shows the configuration of port VLAN;

Vlan State	Vlan Config	Voice VLAN Config	MAC VLAN Config	IP VLAN Config
Port	Vlan Mode	PVID	vlan untag	vlan tag
Select All	hybrid			
G1	access	1	1	
G2	access	1	1	
G3	access	1	1	
G4	access	1	1	
G5	access	1	1	
G6	access	1	1	
G7	access	1	1	
G8	access	1	1	
G9	access	1	1	
G10	access	1	1	

Apply

Port properties that can be set:

Access:

Access ports are normally used to connect to end stations. Dynamic features like voice VLAN may add the port to more VLANs behind the scenes. Access ports have the following characteristics:

- Member of exactly one VLAN, the Port VLAN (Access VLAN), which by default is 1.
- Accepts untagged and C-tagged frames.
- Discards all frames that are not classified to the Access VLAN

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- On egress all frames classified to the Access VLAN are transmitted untagged.

The access port is usually used to connect to the terminal station. For example, the dynamic characteristics of voice VLAN can add ports to multiple VLANs behind the scenes. The access port has the following characteristics:

- There is only one VLAN, port VLAN (also known as access VLAN), which is a member of 1 by default.

- accept unlabeled frames and C-labeled frames,
- Drop all frames in unclassified access VLAN,
- All frames to the exit are sent unmarked.

Trunk:

The trunk port can traffic multiple VLANs at the same time and is usually used to connect to other switches. The trunk port has the following features:

- by default, the trunk port is a member of all existing VLANs. This can be achieved by using a limited number of VLANs.

- Unless enabled on the port of VLAN relay, divided into different VLANs, and the frame of that the port is not a member will be discarded.

- By default, all frames, but VLAN (also known as local VLAN) frame tags classified into ports get about exits. The frames classified to the port VLAN do not get the exit of c-tag,

- The exit marker can change all frames of the marker, in which case only the entry of the marked frame is accepted,

- VLAN trunking may be enabled.

Hybrid:

The hybrid port is similar to the trunk port in many ways, but adds additional port configuration capabilities. In addition to the characteristics described for the relay port, the hybrid port also has the following capabilities:

- It can be configured as VLAN tag or unknown, C-tag all, S tag all, or S-custom tag all.
- The inlet filtration can be controlled.
- The exit annotation and configuration of the access frame can be configured

independently.

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Port VLAN: Determine the VLAN ID (also known as PVID) of the port. The allowable VLAN range is 1 to 4095, and the default is 1.

Voice VLAN configuration's screen as blew:

Vlan State	Vlan Config	Voice VLAN Config	MAC VLAN Config	IP VLAN Config
<p>The corresponding port untagged belongs to the vlan function to take effect; port receives the message, match the conditions set will enter the corresponding VLAN</p>				
Enable voice vlan		<input type="radio"/>		
Vlan id		<input type="text" value="1"/> range: 1-4094		
cos		<input type="text" value="5"/> range: 0-7		
dscp		<input type="text" value="46"/> range: 0-63		
		<input type="button" value="Set"/>		
Voice vlan MAC				
MAC		<input type="text"/> For Example: 00-01-02-03-04-05		
MAC mask		<input type="text"/> For Example: fc-ff-00-00-00		
		<input type="button" value="Add"/>		

No	MAC	MAC mask
No matching records found		

Enable Voice VLAN, the Access port will carry the IP voice traffic from the IP phone. When the switch is connected to Cisco IP phone (such as Cisco 7960 IP phone), the voice traffic sent by IP phone has three layers of **IP priority** and two layers of **CoS value**, which are set to 5 by default.

For **IEEE 802.1Q** or **IEEE 802.1p** tagged traffic, the default cos value is untrusted.

Configure VLAN based on MAC address, screen as blew:

Vlan State	Vlan Config	Voice VLAN Config	MAC VLAN Config	IP VLAN Config
<p>Vlan id <input type="text"/> range: 1-4094</p>				
<p>MAC <input type="text"/> For Example: 00-01-02-03-04-05</p>				
<input type="button" value="Add"/>				

No	VID	MAC
No matching records found		

Configure VLAN based on IP, screen as blew:

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Vlan State	Vlan Config	Voice VLAN Config	MAC VLAN Config	IP VLAN Config
<p>Vlan id <input type="text"/> range: 1-4094</p> <p>IP <input type="text"/> For Example: 10.1.1.0/24</p> <p><input type="button" value="Add"/></p>				
No	VID	IP		
No matching records found				

GVRP

Enable the GVRP function, screen as blew:

Global Config	Port Config	GVRP Statistics
<p>Enable GVRP <input type="checkbox"/></p> <p>Create Dynamic VLAN <input type="checkbox"/></p> <p><input type="button" value="Apply"/></p>		

The enabled GVRP function is applied to the designated port and configure its timer.

Global Config	Port Config	GVRP Statistics				
Port	Enable GVRP	Registration Mode	Applicant State	Join Timer(cs)	Leave Timer(cs)	LeaveAll Timer(cs)
Select All	<input type="checkbox"/>	normal	normal	<input type="text"/>	<input type="text"/>	<input type="text"/>
G1	<input type="checkbox"/>	normal	normal	20	60	1000
G2	<input type="checkbox"/>	normal	normal	20	60	1000
G3	<input type="checkbox"/>	normal	normal	20	60	1000
G4	<input type="checkbox"/>	normal	normal	20	60	1000
G5	<input type="checkbox"/>	normal	normal	20	60	1000
G6	<input type="checkbox"/>	normal	normal	20	60	1000
G7	<input type="checkbox"/>	normal	normal	20	60	1000
G8	<input type="checkbox"/>	normal	normal	20	60	1000
G9	<input type="checkbox"/>	normal	normal	20	60	1000
G10	<input type="checkbox"/>	normal	normal	20	60	1000
<input type="button" value="Apply"/>						

Used to view the operation information of GVRP.

Global Config	Port Config	GVRP Statistics								
Port	JoinEmpty Rx	JoinIn Rx	LeaveEmpty Rx	LeaveIn Rx	Empty Rx	JoinEmpty Tx	JoinIn Tx	LeaveEmpty Tx	LeaveIn Tx	Empty Tx
No matching records found										

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Link Aggregation

On this page, you can configure static aggregation groups, dynamic aggregation groups, and view link aggregation information;

Static aggregation configuration: click create static aggregation group TID value range is (1-4), that is, up to 4 static aggregation groups can be created.

Port Member: Port join aggregation must be the same speed and full duplex

This switch supports 32 groups of aggregation, each group supports up to 8 ports. To configure an aggregation group, just select the convergence port to the same line group number, as shown in Figure 21: 1-2 ports converge in a group; 3-4 ports in a group. Please keep configuration consistency for the ports of aggregation group members, such as port rate mode, VLAN information, etc.

Link aggregation load balancing mode supports:

"Source MAC address" (load balancing calculation based on source MAC address of message)

"Destination MAC address" (load balancing calculation based on the destination MAC address of the message), "

"IP address" (the source IP address and the destination IP address of the message are XOR, and then the load balancing calculation is performed)

"TCP / UDP port number" (load balancing calculation is based on the TCP / UDP port number of the message).

Four modes can be selected and combined. The assignment of equalization algorithm is global.

If LACP dynamic aggregation protocol is enabled on some ports, static aggregation cannot be configured manually.

Note:

Static aggregation on the same port cannot be configured simultaneously with dynamic LACP aggregation.

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Static aggregation config

Dynamic aggregation config

Link Aggregation Information

Establish

Del

Load balancing model: SRC&DST MAC

	Trunk	Port									
		G1	G2	G3	G4	G5	G6	G7	G8	G9	G10
<input type="checkbox"/>	NOT Trunk	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
No matching records found											

Apply

Establish Tid

Tid: 1-4

Cancel

Establish

Configure dynamic aggregation port as blew:

Static aggregation config

Dynamic aggregation config

Link Aggregation Information

System ID: 00-11-22-33-44-55 System Priority: 32768 Set

Name	Activity Mode	Send Mode	Port Priority	Key Value	Enabled
Select All	--	--	1-65535	0-65535	<input type="checkbox"/>
G1	--	--	32768	0	<input type="checkbox"/>
G2	--	--	32768	0	<input type="checkbox"/>
G3	--	--	32768	0	<input type="checkbox"/>
G4	--	--	32768	0	<input type="checkbox"/>
G5	--	--	32768	0	<input type="checkbox"/>
G6	--	--	32768	0	<input type="checkbox"/>
G7	--	--	32768	0	<input type="checkbox"/>
G8	--	--	32768	0	<input type="checkbox"/>
G9	--	--	32768	0	<input type="checkbox"/>
G10	--	--	32768	0	<input type="checkbox"/>

Apply

Link aggregation information: view switch aggregation port information.

The switch supports port dynamic aggregation. After enable the dynamic protocol of the port, the devices on both sides of the convergence exchange information through the protocol. According to the parameters and status of both sides, the matching links are automatically gathered together to send and receive data. After the convergence is formed, the switching equipment maintains the convergence link state, and automatically adjusts or disbands the aggregation link when the configuration of both sides changes.

The configuration parameters of dynamic protocol include protocol switch state, key negotiation and active / passive mode selection. Only when the dynamic protocol is turned on can the dynamic negotiation be carried out, which may lead to the formation of aggregation links.

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The key is the basis of negotiation. Only the ports with the same key can negotiate to form an aggregation link. The negotiation mode is "active | passive". When "active" is selected, the device will actively initiate aggregation negotiation; when "passive" is selected, the device will passively accept the aggregation negotiation initiated by other devices. If some ports have been converged statically, the dynamic convergence of LACP cannot be realized.

Note: dynamic LACP aggregation and static convergence on the same port cannot be configured at the same time

Static aggregation config		Dynamic aggregation config		Link Aggregation Information											
Trunk		Mode		Number Ports				Port List				Load Balancing			
				Local				Peer							
Trunk		Name	State	The Port Number	Priority	Key Value	Sign	Connection	The Port Number	Priority	Key Value	Sign	System ID	System Priority	
Flags: A -- LACP_Activity, B -- LACP_timeout, C -- Aggregation, D -- Synchronization, E -- Collecting, F -- Distributing, G -- Defaulted, H -- Expired															

MSTP Configuration

Global configuration: select the spanning tree protocol version (STP / RSTP / MSTP is optional), MSTP protocol is selected by default.

Global Config	Instance Config	Interface Instance Config	Interface Config
---------------	-----------------	---------------------------	------------------

Enable Spanning-tree

Protocol Version

Max Age

Hello Time

Forward Delay

Max Hops

Revision Level

Configuration Name

20

2

15

20

0

001122334455

range : 6-40

range : 1-10

range : 4-60

range : 1-40

range : 0-65535

Less than 32 Bytes

Apply

An example of configuring MSTP:

Set the mapping VLAN of multi spanning tree.

Configuration name: identifies the name of the VLAN to MSTI mapping, the bridge must

FNS200-Series switch user manual

share the name and revision (see below), and the VLAN-to-MSTI mapping configuration in order to share the MSTI spanning tree. (within region) the name is up to 32 characters.

Configuration version: revision of MSTI configuration above. It must be an integer between 0 and 65535.

Mapped VLANs: a list of VLANs mapped to MSTI. VLANs must be separated by commas and / or spaces. VLAN can only be mapped to one MSTI. An unused MSTI should remain empty. (that is, no VLAN is mapped to it).

Global Config

Instance Config

Interface Instance Config

Interface Config

MSTI ID

1

Priority

For example: 0-61440, the default 32768, step 4096

Vlan Mapped

9 10-15

Separated by a space, with '-' said range. Such as: 2 4-7

Add

Designated Root

8.000.00:11:22:33:44:55

Root Port

none

Root Path Cost

0

No	MSTI ID	Priority	Vlan Mapped	Bridge ID	Regional Root	Internal Path Cost	Time Since Topo-change	Topo-change Count	
1	0	32768	1-4094	8.000.00:11:22:33:44:55	8.000.00:11:22:33:44:55	0	0	0	Set

Interface instance configuration: configure the enable of the instance on the port. Screen as blew:

Global Config

Instance Config

Interface Instance Config

Interface Config

MSTI ID:

0

Interface	Ports List	Enable	MSTI ID	Priority	Admin Cost	Oper Cost	Role	State
Select All								
G1	G1		0	128	0	20000	Disabled	forwarding
G2	G2		0	128	0	200000000	Disabled	forwarding
G3	G3		0	128	0	200000000	Disabled	forwarding
G4	G4		0	128	0	20000	Disabled	forwarding
G5	G5		0	128	0	200000000	Disabled	forwarding
G6	G6		0	128	0	200000000	Disabled	forwarding
G7	G7		0	128	0	200000000	Disabled	forwarding
G8	G8		0	128	0	200000000	Disabled	forwarding
G9	G9		0	128	0	200000000	Disabled	forwarding
G10	G10		0	128	0	200000000	Disabled	forwarding

Apply

Interface configuration: configure the enabled port of spanning tree protocol and the enabled port of BPDU message. Screen as blew:

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Interface	Ports List	BPDU Guard	Admin Edge	Oper Edge	Admin Point-to-Point	Oper Point-to-Point
Select All		<input type="checkbox"/> <input checked="" type="radio"/>	Auto		Auto	
G1	G1	<input type="checkbox"/> <input checked="" type="radio"/>	Auto	NO	Auto	Yes
G2	G2	<input type="checkbox"/> <input checked="" type="radio"/>	Auto	NO	Auto	NO
G3	G3	<input type="checkbox"/> <input checked="" type="radio"/>	Auto	NO	Auto	NO
G4	G4	<input type="checkbox"/> <input checked="" type="radio"/>	Auto	NO	Auto	Yes
G5	G5	<input type="checkbox"/> <input checked="" type="radio"/>	Auto	NO	Auto	NO
G6	G6	<input type="checkbox"/> <input checked="" type="radio"/>	Auto	NO	Auto	NO
G7	G7	<input type="checkbox"/> <input checked="" type="radio"/>	Auto	NO	Auto	NO
G8	G8	<input type="checkbox"/> <input checked="" type="radio"/>	Auto	NO	Auto	NO
G9	G9	<input type="checkbox"/> <input checked="" type="radio"/>	Auto	NO	Auto	NO
G10	G10	<input type="checkbox"/> <input checked="" type="radio"/>	Auto	NO	Auto	NO

Apply

Loop Protection

Global Configuration: enable and set loop protection, screen as blew:

Global Config	Port Config
<p>Enable <input type="checkbox"/> <input checked="" type="radio"/></p> <p>Tx Interval <input type="text" value="1"/> range : 1-10 s</p> <p>Port Auto-Recover Time <input type="text" value="3"/> s. Blocked port will recover if not received PDU while timer expires.</p> <p>Apply</p>	

Port Configuration: enable the loop protection function on the port.

The loop protection includes double fiber ring protection and four fiber ring protection.

The unidirectional ring is usually composed of two optical fibers, one of which is the working fiber, represented by S; the other is the protective fiber, represented by P. Protection switching is accomplished by a reverse switch.

In addition to the unidirectional switching ring, there are also bidirectional multiplexer switching double fiber ring and bidirectional multiplexing segment switching four fiber ring. But the analysis shows that the unidirectional path switching double fiber ring is the best considering the node cost, system complexity and product compatibility.

The working mode is divided into recovery mode and non recovery mode. In the recovery mode, when the working section has recovered from the failure state, the working path automatically switches back to the working section. In the non recovery mode, even if the

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working section has been restored to normal, the working path is still unchanged in the protection section. Generally, 1 + 1 protection can work in both recovery mode and non recovery mode, while 1: N protection can only work in recovery mode.

Port	Enabled	tx	State	Loop
Select All	<input type="checkbox"/>	<input type="checkbox"/>		
G1	<input type="checkbox"/>	<input type="checkbox"/>	Down	
G2	<input type="checkbox"/>	<input type="checkbox"/>	Down	
G3	<input type="checkbox"/>	<input type="checkbox"/>	Down	
G4	<input type="checkbox"/>	<input type="checkbox"/>	Forwarding	
G5	<input type="checkbox"/>	<input type="checkbox"/>	Down	
G6	<input type="checkbox"/>	<input type="checkbox"/>	Down	
G7	<input type="checkbox"/>	<input type="checkbox"/>	Down	
G8	<input type="checkbox"/>	<input type="checkbox"/>	Down	
G9	<input type="checkbox"/>	<input type="checkbox"/>	Down	
G10	<input type="checkbox"/>	<input type="checkbox"/>	Down	

Apply

DHCP-snooping

Global configuration: enable DHCP monitoring function, screen as blew:

Global Config Static Binding Port Config

Enable DHCP-Snooping ☐

Apply

Static Binding: configure the static listening port, screen as blew:

Global Config Static Binding Port Config

MAC For Example: 02-02-03-04-05-06

IP Address For Example: 192.168.1.1

Port

Add

No	Port	MAC	IP Address	Type	Cycle
No matching records found					

Port Configuration: enable DHCP monitoring function on the port, screen as blew:

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Global Config

Static Binding

Port Config

Port	Untrust	IPSG
Select All	<input type="checkbox"/> <input type="radio"/>	<input type="checkbox"/> <input type="radio"/>
G1	<input type="checkbox"/> <input type="radio"/>	<input type="checkbox"/> <input type="radio"/>
G2	<input type="checkbox"/> <input type="radio"/>	<input type="checkbox"/> <input type="radio"/>
G3	<input type="checkbox"/> <input type="radio"/>	<input type="checkbox"/> <input type="radio"/>
G4	<input type="checkbox"/> <input type="radio"/>	<input type="checkbox"/> <input type="radio"/>
G5	<input type="checkbox"/> <input type="radio"/>	<input type="checkbox"/> <input type="radio"/>
G6	<input type="checkbox"/> <input type="radio"/>	<input type="checkbox"/> <input type="radio"/>
G7	<input type="checkbox"/> <input type="radio"/>	<input type="checkbox"/> <input type="radio"/>
G8	<input type="checkbox"/> <input type="radio"/>	<input type="checkbox"/> <input type="radio"/>
G9	<input type="checkbox"/> <input type="radio"/>	<input type="checkbox"/> <input type="radio"/>
G10	<input type="checkbox"/> <input type="radio"/>	<input type="checkbox"/> <input type="radio"/>

Apply

IGMP Snooping

IGMP snooping global configuration: configure IGMP monitoring enable and IGMP function attributes, screen as blew:

IGMP Snooping Global Config

IGMP Snooping VLAN Config

IPv4 Static Multicast

Enable

☐ ☐

Member Port Aging Time

range: 200-1000(Default: 300)

Router Port Aging time

Unit: seconds Range: 1-1000 (Default: 105)

Set

Index	Vlan Id	Multicast Source	Multicast Address	Static Member Ports	Dynamic Member Ports(Aging time)
No matching records found					

IGMP snooping VLAN configuration: configure static multicast VLAN, screen as blew:

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IGMP Snooping Global Config

IGMP Snooping VLAN Config

IPv4 Static Multicast

Vlan Id

1

Port Fast Leave

☐

Query Source Address

For Example: 192.168.1.254

Query Interval

10

Unit: seconds Range: 2-300

Max Response Time

10

Unit: seconds Range: 1-25 (default: 10)

Last-Member Query Interval

1

Unit: seconds Range: 1-5 (default: 1)

Set

Index	Vlan Id	Port Fast Leave	Query Source Address	Query Interval	Max Response Time	Last-Member Query Interval
No matching records found						

IPv4 Static Multicast: configure static multicast function and enable port static multicast function, screen as blew:

IGMP Snooping Global Config

IGMP Snooping VLAN Config

IPv4 Static Multicast

Vlan Id

1

Multicast Source

For Example: 192.168.1.1

Multicast Address

For Example: 225.1.2.3

Port List

☐ Select All

G2

G4

G6

G8

G9

G10

G1

G3

G5

G7

Add

Index	Vlan Id	Multicast Source	Multicast Address	Static Member Ports
No matching records found				

802.1x authentication

Global configuration: enable 802.1x authentication function.

Radius client address: configure radius authentication client address.

Radius server shared secret key: a secret of up to 29 characters is shared between the server and the switch.

Radius server timeout: (can be set to a number between 3 and 3600 seconds) It is the maximum time to wait for a response from the server. If the server does not respond within this

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time frame, we will consider it dead and continue to use the next enabled server (if any); the RADIUS server uses the UDP protocol, which is not reliable by design. In order to deal with the lost frames, the super interval is divided into three sub intervals, each of which has the same length. If no response is received within the subinterval, the request is transmitted again. This algorithm will cause radius server to be queried up to three times before it is considered as dead server.

The screenshot shows the 'RADIUS Server Config' tab in the switch's configuration interface. The '802.1X Settings' section is expanded, showing the following fields:

Field	Value	Range / Default
Enable 802.1X	<input type="radio"/>	
Auth Method	Port-Auth	
RADIUS Client Address		For Example : 192.168.200.1
RADIUS Client Port	1812	range : 0-65535 , Defaults 1812
RADIUS Server Key		range : less than 64 characters
RADIUS Server Retransmit	3	range : 1-100 , Defaults 3
RADIUS Server Timeout	5	range : 1-1000 , Defaults 5
RADIUS Server Deadtime	0	range : 0-1440 , Defaults 0

An 'Apply' button is located at the bottom right of the configuration area.

Radius server settings: set radius server attributes.

Radius server address: configure the radius server address.

Radius server port number: configure the radius server port number.

Radius server shared password: a secret of up to 29 characters is shared between the server and the switch.

Radius server retransmission times: configure the radius service death retransmission times.

Radius server timeout: (can be set to a number between 3 and 3600 seconds) is the maximum time to wait for a response from the server. If the server does not respond within this time frame, we will consider it dead and continue to use the next enabled server (if any). The RADIUS server uses the UDP protocol, which is not reliable by design. In order to deal with the lost frames, the super interval is divided into three sub intervals, each of which has the same length. If no response is received within the subinterval, the request is transmitted again. The server will be considered dead before the server is killed at most 3 times.

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Global Config

RADIUS Server Config

Port-based Authentication

Authentication Host

Add RADIUS Server

IP Address	The Port Number	Server Key	Retransmit	Timeout
No matching records found				

Add RADIUS Server

RADIUS Server Address

For Example : 192.168.200.1

RADIUS Server Port

range : 0-65535 , Defaults 1812

RADIUS Server Key

range : less than 64 characters

RADIUS Server Retransmit

range : 1-100 , Defaults 3

RADIUS Server Timeout

range : 1-1000 , Defaults 5

Add

Port-based Authentication: Configure 802.1x authentication port.

Global Config

RADIUS Server Config

Port-based Authentication

Authentication Host

Port Name	Port Auth Enable	Port Auth Mode	Ctrl Direction	Version	Auth Status	Quiet Period	Reauth Max	EAP Tx Period	Reauth Period	Reauthentic.
Select All	<input type="checkbox"/>	Force Unauthorized	Both-dir	1						
G1	<input type="checkbox"/>	Auto	In-dir	2	Uncontrolled	60	2	30	3600	
G2	<input type="checkbox"/>	Auto	In-dir	2	Uncontrolled	60	2	30	3600	
G3	<input type="checkbox"/>	Auto	In-dir	2	Uncontrolled	60	2	30	3600	
G4	<input type="checkbox"/>	Auto	In-dir	2	Uncontrolled	60	2	30	3600	
G5	<input type="checkbox"/>	Auto	In-dir	2	Uncontrolled	60	2	30	3600	
G6	<input type="checkbox"/>	Auto	In-dir	2	Uncontrolled	60	2	30	3600	
G7	<input type="checkbox"/>	Auto	In-dir	2	Uncontrolled	60	2	30	3600	
G8	<input type="checkbox"/>	Auto	In-dir	2	Uncontrolled	60	2	30	3600	
G9	<input type="checkbox"/>	Auto	In-dir	2	Uncontrolled	60	2	30	3600	
G10	<input type="checkbox"/>	Auto	In-dir	2	Uncontrolled	60	2	30	3600	

Apply

Authentication Host: View 802.1x authentication host properties.

Global Config

RADIUS Server Config

Port-based Authentication

Authentication Host

Port-Auth Information

User Name	Port	Session Time(s)	Authentication Method	MAC Address	Session State and Reason
No matching records found					

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Senior Management

QOS Configuration

Global Configuration: Enable QoS function and configure QoS function properties.

Global Config

Port Config

Set the Scheduling Policy, while policy is WRR/WFQ/DRR set Queue Weights(Range 1-127, If set 0, means SP+WRR/WFQ/DRR).

Policy

☒ SP ☐ WRR ☐ WFQ

Weight

W0: 0 W1: 0 W2: 0 W3: 0

W4: 0 W5: 0 W6: 0 W7: 0

Set

Maps to different queues based on the CoS(0-7) in packet. If the packet doesn't carry VLAN TAG(802.1p), port default CoS is used.

CoS-Queue Map

CoS 0 -> Queue 0 Set

Current Map

0->0 1->1 2->2 3->3 4->4 5->5 6->6 7->7

Maps to new DSCP & CoS based on the DSCP in packet IP header. By default, DSCP & CoS Mapping are not changed.

DSCP-CoS Map

DSCP 0 -> New DSCP 0 -> CoS 0 Set

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

Port Configuration: Configure the QoS function properties on the port.

Global Config

Port Config

Port	Default CoS	Trust Mode
Select All	0	Trust CoS
G1	0	Trust CoS
G2	0	Trust CoS
G3	0	Trust CoS
G4	0	Trust CoS
G5	0	Trust CoS
G6	0	Trust CoS
G7	0	Trust CoS
G8	0	Trust CoS
G9	0	Trust CoS
G10	0	Trust CoS

Apply

ACL Configuration

MAC ACL configuration: Configure MAC based ACL access list.

27

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MAC ACL CONFIG

IP ACL CONFIG

TIME RANGE CONFIG

ACL GROUP CONFIG

Entry ID

range : 0-31

Rule ID

range : 0-7

Action

deny

▼

Source MAC

For example: 02-02-03-04-05-06, do not fill, that "any"

Source MAC MASK

For example: fc-ff-ff-00-00-00, do not fill, that "any"

Destination MAC

For example: 02-02-03-04-05-06, do not fill, that "any"

Destination MAC Mask

For example: fc-ff-ff-00-00-00, do not fill, that "any"

Time-Range Name

▼

It is empty, indicating that it is effective anytime

Add

Entry ID	Rule ID	Action	Source MAC	Destination MAC	Time-Range	
No matching records found						

IP ACL Configuration: Configure IP based ACL access control list.

MAC ACL CONFIG

IP ACL CONFIG

TIME RANGE CONFIG

ACL GROUP CONFIG

Entry ID

range : 0-31

Rule ID

range : 0-7

Action

deny

▼

Protocol

any

▼

Source IP

For example: xxx.xxx.xxx.xxx, do not fill, that "any"

Source mask

For example: xxx.xxx.xxx.xxx, do not fill, that "any"

Source Port

Range: 0-65535, is empty, meaning any port

Destination IP

For example: xxx.xxx.xxx.xxx, do not fill, that "any"

Purpose mask

For example: xxx.xxx.xxx.xxx, do not fill, that "any"

Destination Port

Range: 0-65535, is empty, meaning any port

Time-Range Name

▼

It is empty, indicating that it is effective anytime

Add

TIME RANGE Configuration: ACL time range setting.

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MAC ACL CONFIG

IP ACL CONFIG

TIME RANGE CONFIG

ACL GROUP CONFIG

ADD Time Range

Name

Add

Config the time

Time-Range Name

Del

☒ Absolute ☐ Periodic

Start Time

yyyy-MM-dd HH:mm

End Time

yyyy-MM-dd HH:mm

Time

HH:mm

-

HH:mm

Week

☒ Sun ☒ Mon ☒ Tue ☒ Wed ☒ Thu ☒ Fri ☒ Sat

Add

Name	State	Time
No matching records found		

ACL GROUP Configuration: Configure ACL access control list port group.

MAC ACL CONFIG

IP ACL CONFIG

TIME RANGE CONFIG

ACL GROUP CONFIG

Port

G1

-

G1

MAC ACL

Is blank, indicating that the rules applied to delete the port (if any exist)

IP ACL

Is blank, indicating that the rules applied to delete the port (if any exist)

Set

Port	MAC access list ID	IP access list ID
G1		
G2		
G3		
G4		
G5		
G6		
G7		
G8		
G9		

SNMP Configuration

System Information: Enable all SNMP protocol versions, configure SNMP protocol system properties and enable trap function.

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Information
Group
V3 User
Alarm

SNMP System

Mode

versions
V1,V2C,V3

System Name

System Name

Location Information

Your Location

Contact Information

Your Contact

Engine Number

Trap Config

Start Up

Apply

Group: Configure SNMP community properties.

Information
Group
V3 User
Alarm

SNMP Community Config

Name

Community Attributes

rocommunity

Add

Name	Community Attributes	
public	rocommunity	Del
private	rwcommunity	Del

V3: configure the member attribute of SNMP V3 protocol version.

Information
Group
V3 User
Alarm

V3 User Config

Name

User Attribute

rouser

Certification Information

MD5

Encrypt information

DES

Add

Index	Name	User Attribute	Authentication Mode	Authentication password	Encryption mode	Encryption password
1	admin	rouser				
2	admin	rwuser				

Trap: configure trap receiving address and corresponding SNMP protocol version.

FNS200-Series switch user manual

Information	Group	V3 User	Alarm
-------------	-------	---------	--------------

Trap Config

Address

versions

Address	versions
0.0.0.0	V1
0.0.0.0	V2C

RMON

Event group: query and add event groups monitored remotely.

Event Group	Statistics Group	History Group	Alarm Group
--------------------	------------------	---------------	-------------

Index Event group number: 0-1024 (delete, just fill in this item)

Description

Action

Index	Description	Action	Recent Time
No matching records found			

Statistics group: query the statistical information of specific events after the event is broken.

Event Group	Statistics Group	History Group	Alarm Group
--------------------	-------------------------	---------------	-------------

Index Event group number: 0-1024 (delete, just fill in this item)

Port

Index	Name
No matching records found	

History group: add and query the history of a specific event at the port.

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Event Group

Statistics Group

History Group

Alarm Group

Index

Event group number: 0-1024 (delete, just fill in this item)

Sample Port

G1

sampling Interval

range : 5-65535(Seconds)

Max Sample Number

Max Sample Number : 0-100

Add

Index	Sample Port	sampling Interval	Number Samples	
No matching records found				

Alarm group: add the attribute of alarm event query on the port.

Event Group

Statistics Group

History Group

Alarm Group

Index

Event group number: 0-1024 (delete, just fill in this item)

Sample Port

G1

Alarm Parameters

DropEvents

sampling Interval

range : 5-65535(Seconds)

Sampling Type

absolute

Rising Edge Threshold

range : 0-4294967295

Falling Edge Threshold

range : 0-4294967295

Rising Edge Event

Event group index, when the alarm is triggered, the corresponding event of the event group will be activated, Range: 0-1024

Falling Event

Event group index, when the alarm is triggered, the corresponding event of the event group will be activated, Range: 0-1024

Add

LLDP Configuration

Global configuration: turn on and configure LLDP function attributes.

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Global Config

Port Config

LLDP Neighbor

LLDP

O

Tx Interval

30

range: 5-32768 Seconds

Tx Delay

2

range: 1-8192 Seconds

Tx Hold Times

4

range: 2-10

Port Reinit Delay

2

range: 2-5 Seconds

Manage Address

For Example: 192.168.1.1

TLV optional to send

Manage Address TLV

Port Description TLV

System Capability TLV

System Description TLV

System Name TLV

fig.html

Save

Port configuration: configure port LLDP function attributes.

Global Config

Port Config

LLDP Neighbor

Port	tx	rx
Select All	<div><div></div><div></div></div>	<div><div></div><div></div></div>
G1	<div><div></div><div></div></div>	<div><div></div><div></div></div>
G2	<div><div></div><div></div></div>	<div><div></div><div></div></div>
G3	<div><div></div><div></div></div>	<div><div></div><div></div></div>
G4	<div><div></div><div></div></div>	<div><div></div><div></div></div>
G5	<div><div></div><div></div></div>	<div><div></div><div></div></div>
G6	<div><div></div><div></div></div>	<div><div></div><div></div></div>
G7	<div><div></div><div></div></div>	<div><div></div><div></div></div>
G8	<div><div></div><div></div></div>	<div><div></div><div></div></div>
G9	<div><div></div><div></div></div>	<div><div></div><div></div></div>
G10	<div><div></div><div></div></div>	<div><div></div><div></div></div>

Apply

LLDP 邻居：查询 LLDP 邻居信息；

Global Config	Port Config	LLDP Neighbor								
Index	Chassis-ID	PortID	Holdtime	Port Description	System Name	System Description	System Capability	Manage Address	Local Port	vlan id
No matching records found										

NTP Configuration

Global configuration: configure NTP function enable, time zone selection and check the

FNS200-Series switch user manual

modification of time interval.

NTP Global Config

NTP Server Config

Mode

☐

Time Zone Settings

(GMT+08:00) Irkutsk Uli

Time Interval

300

Second / time

range: 5-65535 Defaults: 300

Apply

NTP server configuration: configure the NTP server address and view the NTP server status.

NTP Global Config

NTP Server Config

Server

Add Server

For Example: 192.168.1.1

Commonly used server

China	202.108.6.95	202.112.29.82
TaiWan	120.119.28.1	
America	24.56.178.140	131.107.13.100

Index	Server	State	
1	202.108.6.95	unknown	Del

Anti Attack

It can open DDoS and ICMP echo;

DDOS

☐

icmp-echo

☐

Apply

System Management

User Settings

Modify the user login password, the account name can not be changed or added users.

FNS200-Series switch user manual

Administrator	<input type="text" value="admin"/>
New Password	<input type="password"/> 16 characters at most
Retype Password	<input type="password"/> 16 characters at most
<input type="button" value="Apply"/>	

Network Settings

IPv4 configuration: modify the IPv4 address of the switch, cannot add IP address.

IPv4 Config	IPv6 Config
<hr/>	
Manage Interface	<input type="text" value="eth0"/>
IPv4 Address	<input type="text" value="192.168.10.12/24"/> For Example : 10.0.0.2/24
Default Gateway	<input type="text"/> For Example : 10.0.0.1
Preferred DNS Server	<input type="text"/> For Example : 10.0.0.1
Alternative DNS Server	<input type="text"/> For Example : 10.0.0.1
<input type="button" value="Apply"/>	

IPv6 configuration: modify the IPv6 address of the switch, cannot add IP address.

IPv4 Config	IPv6 Config
<hr/>	
Manage Interface	<input type="text" value="eth0"/>
IPv6 Address	<input type="text" value="fe80::fe01/64"/> For Example : fe80::01/64
Default Gateway	<input type="text"/> For Example : fe80::01
<input type="button" value="Apply"/>	

Alarm Configuration

Configure switch alarm function to enable.

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Alarms

Config Alarm Conditions

☐ Select All ☐ PMU Alarm ☐ Port Link Alarm ☐ PoE Alarm ☐ Loop Alarm

Apply

Service Configuration

Configure switch Telnet, SSH, HTTP version protocol and service port.

Telnet Service	<input checked="" type="checkbox"/>
TELNET Port	23
SSH Service	<input checked="" type="checkbox"/>
SSH Port	22
HTTP Service	HTTP
HTTP Port	80

Apply

Configuration Management

For reset, upload and download switch configuration.

Restore factory settings	Restore factory settings
Upload Config	<div>选择文件 未选择任何文件</div> Upload
Download Config	Download

Firmware Update

It is used to upgrade the software version of the switch.

FNS200-Series switch user manual

Product Model	<input type="text" value="S2100_8GP_2F"/>
Hardware Version	<input type="text" value="V1"/>
Firmware Version	<input type="text" value="V1.0.1.1-g012940b"/>
Compile Time	<input type="text" value="Nov 30 2019 09:51:27"/>
New Firmware File	<input type="button" value="选择文件"/> <input type="button" value="未选择任何文件"/>

Diagnostic Testing

Ping detection: use the ping function of the switch to detect whether the link between the switch itself and other IP devices is smooth.

Ping Detection

Tracert Detection

Cable Detection

IP Address

Tracert detection: Traceroute.

Ping Detection

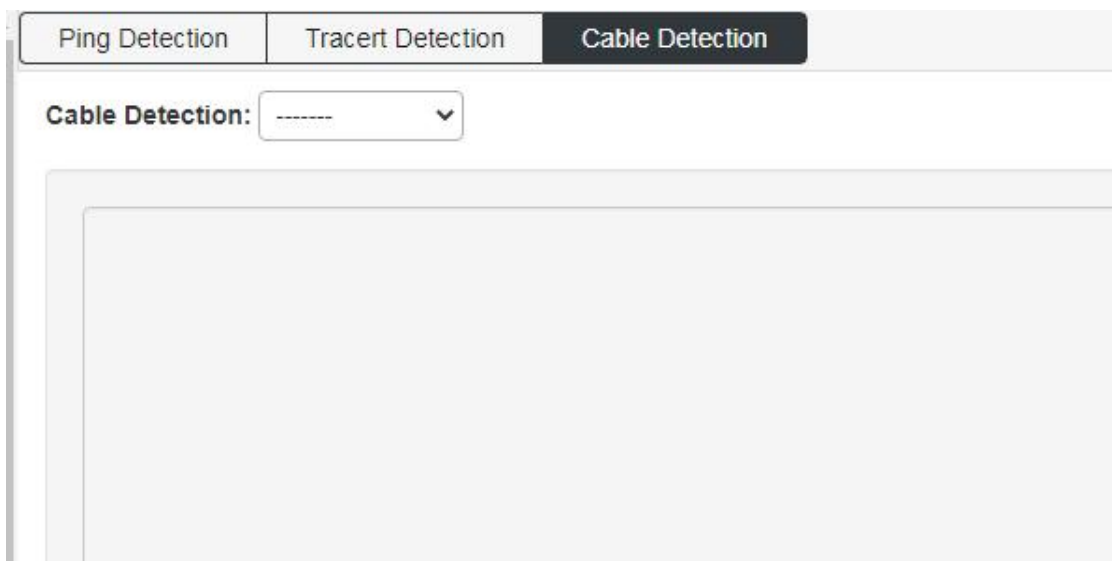
Tracert Detection

Cable Detection

IP Address

Network line detection: detect the network line attribute of all network ports of the switch.

FNS200-Series switch user manual



Reboot Device

Restart the switch.

