

Ruijie XS-S1930J Series Switches

Web-Based Configuration Guide, Release 11.4(1)B70P10

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Preface

Thank you for using our products. This manual matches the RGOS Release 11.4(1)B70P10.

Audience

This manual is intended for:

- Network engineers
- Technical support and servicing engineers
- Network administrators

Obtaining Technical Assistance

- Ruijie Networks Website: <u>https://ruijie.co.jp/</u>
- Technical Support Website: <u>https://ruijienetworks.com/support</u>
- Case Portal: <u>https://caseportal.ruijienetworks.com</u>
- Community: <u>https://community.ruijienetworks.com</u>
- Technical Support Email: <u>service_rj@ruijienetworks.com</u>
- Skype: service_rj@ruijienetworks.com

Related Documents

Documents	Description
Command Reference	Describes the related configuration commands, including command modes, parameter descriptions, usage guides, and related examples.
Hardware Installation and Reference Guide	Describes the functional and physical features and provides the device installation steps, hardware troubleshooting, module technical specifications, and specifications and usage guidelines for cables and connectors.

Conventions

This manual uses the following conventions:

Convention	Description
boldface font	Commands, command options, and keywords are in boldface .
<i>italic</i> font	Arguments for which you supply values are in <i>italics</i> .
[]	Elements in square brackets are optional.
{ x y z }	Alternative keywords are grouped in braces and separated by vertical bars.
[x y z]	Optional alternative keywords are grouped in brackets and separated by vertical bars.

Symbols

() Means reader take note. Notes contain helpful suggestions or references.

Means reader be careful. In this situation, you might do something that could result in equipment damage or loss of data.

1 Web-based Configuration

1.1 Overview

Users access the Web management system (eWeb) of switches through a browser (for example Google Chrome) to manage the switches.

The eWeb consists of the Web server and Web client. The Web server is integrated into the switch and is used to receive and process requests from the client (reading Web files or executing commands), and return the processing results to the client. The Web client is usually a Web browser, such as Google Chrome.

0	This document applies only to XS-S1930J series switches.	
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1.2 Typical Application

Typical Application	Description
Managing Devices via eWeb	After switches are configured, you can access the eWeb through a browser.

1.2.1 Managing Devices via eWeb

Scenario

As shown in Figure 1, you can access the eWeb of an access or aggregation switch through a browser to manage and configure the switch.

Figure 1



Remarks The device enclosed in the red rectangle in the preceding figure is the accessed switch. If the switch can be pinged successfully from the PC, you can access the eWeb of the switch.

Deployment

U Configuration Environment Requirements

Client requirements:

- The administrator can login to the eWeb from the browser of the Web client to manage switches. Clients refer to PCs or other mobile terminals such as laptops.
- Browser: Google Chrome (recommended), Firefox, and Safari are supported. Exceptions such as garbles or format errors
 may occur if an unsupported browser is used.
- Resolution: It is recommended to set the resolution to 1024 x 768, 1280 x 1024, 1440 x 960, or 1920 x 1080. If other resolutions are used, the page fonts and formats may not be aligned and the UI is not artistic, or other exceptions may occur.
- Web configuration and command line interface (CLI) configuration can be performed at the same time. After CLI configuration is complete, enter the write command to save the configuration. If a web page is opened, refresh the page to ensure synchronization between web and CLI configurations.

Logging In to the eWeb

Enter the switch's management IP address (http://192.168.1.200 by default) in the address bar of a browser and press **Enter** to open the login page. You can select Chinese or English on the login page.

Figure 2 Login Page

Ruffe
Welcome to Ruijie Switch
Luser Name
Password
Sign In
中文
2018 Ruijie Networks Co., Lad. I Official Websit: 1 Tel: +86 4008 111 000

Specify the username and password and click Sign In. The following table describes the default username and password.

Default Username/Password	Permission Description
admin/admin	Super administrator with all permissions

After authentication is successful, the eWeb home page is displayed, as shown in Figure 3.

Figure 3 eWeb Home Page

Ruíjie	Dashboard					۵.	√ Wizard (?)
	Device Panel					Uptime	5D:03H:26
19-24G-P	Rujje		44 45 46 47 48 40 410 4			XS-S1930J	-24GT4SFP/2GT-P 286 286 286 277 287
Details >>		п			н	11	
	CPU & Memory Usage		Fla	ash Usage		Auto Smart Deployme	ent
Dashboard	25%	d				(•	•
Port Port	CPU Usage	mana and a second s	w	20.48			
➡ Port ♥ VLAN	CPU Usage		•	20.48%)	Do not s	support)
며 Port 당 VLAN C Diagnosis	CPU Usage		-	20.48%)	Do not s	support
때 Port 당 VLAN 였 Diagnosis 당 Web CLI	CPU Usage	Traffic Throughput	> Po	20.48% E Status)	Do not s	support
에 Port 원 VLAN 언 Diagnosis 원 Web CLI 윤 More	CPU Usage	Traffic Throughput 0.01% 0.0	> Po)1%	20.48% E Status 0.0 w Used	>	Alarms Major	support 0 :
에 Port 왕 VLAN 언 Diagnosis 왕 Web CLI 양 More	CPU Usage	Traffic Throughput 0.01% 0.0	> Po 01*	E Status 0.0 W Used)	Alarms Major Normal	0 : 20 :

1.3 Web Management System

Basic Concepts

U Icons and Buttons on Graphical User Interfaces (GUIs)

Icon/Key	Description
<i>I</i>	Edit. After you click the icon, you can edit the selected record.
Ū	Delete
	Function enabling/disabling icon
1	Available port. After you click or select the icon for a port, the port status is changed to Selected .

<u> </u>	Unavailable port
	Selected port
517	AG Port. The digit in the port indicates the aggregation port number.
<u>_</u>	Trunk port, displayed on the panel of the VLAN settings page
Save	Save button, for submitting and saving input information
Add	For adding settings
Delete	For deleting settings
All Invert Cancel	Panel port batch processing buttons, in the lower right corner of the panel
	Note: These buttons are available only on panels where multiple ports can be selected.
*	Mandatory item. If an input box carries this symbol, the item is mandatory.

System Operations

Port panel

	🖸 Available 🚆 Unavailable 👮 Selected 🚮 AG Port	Copper SF	P
l	1 3 5 7 9 11 13 15 17 19 21 23 25 		
	2 4 6 8 10 12 14 16 18 20 22 24 26 25 26 27 28		
	Note: Click the left mouse button to select multiple ports.	All Invert Canc	el

Port panel operation

Click the port icon on the panel or drag the mouse to select multiple ports to change the port status from **Available** to **Selected**. Then, set selected ports, for example, add port description, and port mirroring.

Feature

The following table describes feature configurations of the first-level and second-level menus in the left navigation tree of the eWeb.

Feature	Description
Search	Allows keyword-based global searches, to enter the configuration page of a function quickly.
Help	Provides five technical service modes, including Skype, email, and official website.
Wizard	Supports simple configuration through the configuration wizard.

Dashboard	Displays port information and overall device running status.
Port	Sets basic port information, port aggregation, port mirroring, and storm suppression.
VLAN	Sets virtual local area networks (VLANs), trunk ports, and IP addresses.
Diagnosis	Performs the ping, traceroute, or cable detection operations.
MAC Address	Sets the static and filtering addresses.
ARP Entry	Sets Address Resolution Protocol (ARP) entries.
STP & RLDP	Sets the global basic information of Spanning Tree Protocol (STP), STP ports, and RLDP.
Port Protection	Sets port protection.
IGMP Snooping	Sets Internet Group Management Protocol (IGMP) snooping.
DHCP Snooping	Sets DHCP snooping.
PoE	Sets global power over Ethernet (PoE) and content related to port PoE.
DNS	Sets static domain name server (DNS).
Sonvico	Sets Web, Telnet, Secure Shell (SSH), and Simple Network Management Protocol (SNMP)
Service	services.
System Log	Sets the log server and queries system logs.
Time & NTP	Sets the system time, Network Time Protocol (NTP) key, and NTP server.
System Restart	Restarts the device.
Restore to Default	Restores to the factory settings.
Backup	Backs up the current configurations.
System Upgrade	Performs local upgrade and web package online upgrade.
Web CLI	Executes command lines through web.

1.3.1 Search

The Search box is always displayed in the upper right corner of the eWeb home page, as shown in Figure 4.

Figure 4 Search Box

Ruíie	Dashboard				≰ Wizard ⑦ 🛙
	Device Panel			Uptime (00D:00H:00N
19.24C B	Ruíjie				24GT4SFP/2GT-P 255 255 255 255 255 255 255 25
					_
Details >>	CPU & Memory Usage		Flash Usage	Auto Smart Deployme	ent
DashboardPort	0% CPU Usage				
	0% Memory Usage		0.00%	Do not s	upport
Web CLI	Hardware Status Power Running Status:	Traffic Throughput 0.01% 0	• PoE Status	> Alarms Major	0 >
	Unsupported			Normal	0 >
Fan Fank	Fan Fanless	Input C	Total: 370.0 W Used: 0.00%	Minor	0 >

Enter the keyword to be searched in the Search box and press **Enter** or click the search icon. The search results are displayed, as shown in Figure 5.

Figure 5 Search Results

	√ Wizard 🗘
VLAN	٩
13 records are found.	
Wizard	
VLAN:	
http://172.17.207.81/main.htm#/wizard	
Port / Port Settings	
VLAN/IP Address Access VLAN: Native VLAN: Allowed VLAN:	
http://172.17.207.81/main.htm#/Port / Port Settings	
VLAN	
VLAN VLAN ID: VLAN Name: VLAN ID Edit VLAN	
http://172.17.207.81/main.htm#/vlan	
More / Network Settings / MAC Address / Static Address Settings	
VLAN ID:	
http://172.17.207.81/main.htm#/More / Network Settings / MAC Address / Static Address Settings	
More / Network Settings / MAC Address / Filtering Address Settings	
VLAN ID: VLAN ID	
http://172.17.207.81/main.htm#/More / Network Settings / MAC Address / Filtering Address Settings	
More / Network Settings / ACL & QoS / Port Policy	
VLAN Interface:	
http://172.17.207.81/main.htm#/More / Network Settings / ACL & QoS / Port Policy	

Click a title or link in the search results to enter the configuration page of the corresponding function.

1.3.2 Help

The Help icon is always displayed in the upper right corner of the eWeb home page, and five technical service modes are provided. After you click the Help icon, the following five technical service modes are displayed:

- 1. Ruijie Official Website (http://ruijienetworks.com/)
- 2. Ruijie Case Portal (http://caseportal.ruijienetworks.com)
- 3. FAQ (http:// community.ruijienetworks.com)

Figure 6 Help

Ruite	Dashboard			9	∢ Wizard 🕐 🛛
	Device Panel			Uptin	Ruijie Official Web Ruijie Case Portal
	Rujie			*1 45 70 42 72 42 74 ************************************	FAQ
19-24G-P \$1930J-24GT4SFP/2GT-P		One In Pashi	g#ACT Geen=100011001108	Green+10 V100M Green+100011	2004
Details >>	CPU & Memory Usage		Flash Usage	Auto Smart Deployn	nent
ධි Dashboard	15%	- Li			
🗎 Port	CPU Usage	klen	20.48	3%	Į.
월 VLAN	50%		_	Do not	support)
Diagnosis	Memory Usage				
ಕಿ Web CLI	Hardware Status	Traffic Throughput	> PoE Status	> Alarms	
B More	Power	0.01% 0.	.01% 0.0 W Used	Major	0 >
	Unsupported			Normal	20 >
Fan Running Status:	Fan Running Status:		Total: 370.0 W Used: 0.00%	Minor	20 >

1.3.3 Wizard

The Wizard icon is always displayed in the upper right corner of the eWeb home page. When you use the eWeb for the first time, a welcome page is displayed. Click **Yes** and configure **Password**, **Management IP**, **Device Location**, **Remote Control**, and **Cloud Management** in sequence on the **Config Wizard** page. The **Complete** page displays configured information. Finally, click **Finish**.

Figure 7 Welcome



Figure 8 Password

Config Wiz	ard				×
1-	2	3	4	5	6
Password	Management IP	Device Locatio	n Remote Control	Cloud Management	Complete
	Change your password	l and click on Ne	ext, or click on <mark>Skip</mark> .		
	New Pass	word:		ø *	
			_		
		Cance	Next >		

Figure 9 Management IP

Config Wi	zard					×
0-		2	3		5	6
Password	Manage	ement IP	Device Location	Remote Control	Cloud Management	Complete
	Change the r	manageme	ent IP address and	click on Next .		
	VLAN:	1				
	IP Address:	OHCP				
		 Static 	IP Address			
		IP Add	ress:			
		IP Mas	k:			
		Default	Gateway:			
			< Back	Next >		

You can select **DHCP** for **IP Address** to obtain a dynamic IP address or configure a static management IP address.

After you change **Static IP Address** to **DHCP** and click **Next**, the following information is displayed, prompting you to log in to the device over a serial port to obtain the new IP address. After you click **OK**, the **Device Location** page is displayed.

Figure 10 Prompt



Figure 11 Device Location

Config Wiza	ard				×
0-	2	3			6
Password	Management IP	Device Location	Remote Control	Cloud Management	Complete
	To find the device locat displayed on the device Location Description:	ion, please add a lo e information of eWe	ecation description. eb Homepage, or c	The description will b click on Skip .	e
		< Back	Next >		

Figure 12 Remote Control

Config Wiz	zard		×
1	2 3 4	5	6
Password	Management IP Device Location Remote Cont	rol Cloud Management	Complete
	If you want to connect to the device console, please select a login account, or click on Skip . Login Method: Telnet SSH Login Account: O Use Web account (admin)	ct a login method and set	
	Set a new account		
	Password:		
	< Back Next >		

Configure the Telnet and SSH services and the service passwords.

Figure 13 Cloud Management

Config Wiza	ard				×
1	2	3_		5	6
Password	Manageme	nt IP Device Loca	ation Remote Control	Cloud Managemer	nt Complete
	Ruijie MACC ser Ruijie MACC, ple this device. If you change the URL Skip to keep the	vice is enabled by d ease log in at http://o u do not want to ma of the server. You ca configuration uncha	lefault. If you want to ma cloud.ruijienetworks.con unage this device on Ruij an also disable Ruijie M/ anged.	nage this device or n/ and add the SN c ie MACC, please ACC service or click	n of c on
I	Ruijie Could	Enable (default)			
I	wanage.	URL Address:	http://118.190.126	.198/service *	
		DNS Server:	172.16.2.26		
			Ping Test		
		 Disable 			
		< B	Back Next >		

By default, Ruijie MACC is configured. You can change **URL Address** and **DNS Server** as required and click **Ping Test** to check whether the device can connect to the cloud management system.

Figure 14 Complete

Config Wiz	zard				×
0-	2	3	4	5	6
Password	Management	P Device Location	Remote Control	Cloud Management	Complete
	Web Password:	admin			
	Management IP:	DHCP			
	Location Description:				
	Login Method:	Support SSH and Telnet			
	Login Account:	Log in with Web account			
	MACC Service:	Enable (http://cloudtest.re	uijienetworks.com/se	ervice/tr069servlet)	
	DNS:	172.16.2.26 (Dynamic)			
		< Back	Finish		

Configured information is displayed. You can click **Finish** to deliver the configurations. When the management IP mode and IP address are not changed, the **Config Wizard** page disappears. When **Static IP Address** is changed to **DHCP**, the following information is displayed, prompting you to log in to the device through a serial port and view the new IP address.

Figure 15



When **DHCP** is changed to **Static IP Address**, the following information is displayed. Click the specified static IP address to switch to the new IP address.

Figure 16

Configuration Guide

Config Wiz	zard				×
0-	2	3		6	6
Password	Management	IP Device Location	Remote Control	Cloud Management	Complete
	Mab Dessurand:	admin			
	The configur	ation is complete			
	Please enter	172.17.207.69 into the ad	dress bar of the brow	ser and log into eWeb	
	ayan.				
	MACC Service:	Enable (https://cloudtest	ruijienetworks.com/se	ervice/tr069servlet)	
	DNS:	8.8.8.8			
		. Deale	Finish		

1.3.4 Dashboard

The eWeb home page displays basic device information, port status, CPU and memory usage changes, flash usage, power, fan, PoE status, device throughput, basic port information and statistics, and alarm information.

Figure 17 shows the eWeb home page.

Figure 17 eWeb Dashboard

Rume	Dashboard			٩	√ Wizard 🧿
	Device Panel			Uptim	e 5D:03H:33
19.24C B	Rujje			XIS-S1930.	24GT4SFP/2GT-P 25 26 26 27 28 28 28 28 28 28 28 28 28 28
-S1930J-24GT4SFP/2GT-P					
(Details >>)	CPU & Memory Usage		Flash Usage	Auto Smart Deploym	ient
ᢙ Dashboard		1			
🗎 Port	24% CPU Usage	lente	20.48	(•)
역 VLAN	50%		20.40%	Do not	support)
ୟ Diagnosis	Memory Usage				
🕏 🛛 Web CLI	Hardware Status	Traffic Throughput	> PoE Status	> Alarms	
8 More	Power Running Status:	0.01% 0.0	01% 0.0 W Used	Major	0 >
	Unsupported			Normal	20 >
	Fan Running Status:		Total: 370.0 W Used: 0.00%	Minor	20 >

Point to the cloud icon in the lower right corner of the switch picture in the left navigation tree to check whether the switch is connected to the configured cloud.

Figure 18 Cloud Status

Ruíle	Dashboard			٩	√ Wizard ⑦
	Device Panel			Uptim	e 5D:03H:35
	Rujjie			XS-S1930	J-24GT4SFP/2GT-P 25% 1 20% 25% 25% 25% 25% 25% 25% 25% 25
19-24G-Connected	a to MACC (http://4/.104.29.164/service/trub9service		*		
Details >>	CPU & Memory Usage		Flash Usage	Auto Smart Deploym	ient
 Dashboard Port 	15% CPU Usage	lelenteller	20.48	0	Ì
랑 VLAN C Diagnosis	50% Memory Usage		20.40%	Do not	support
월 Web CLI	Hardware Status	Traffic Throughput	> PoE Status	> Alarms	
B More	Power Running Status:	0.01% 0.01%	0.0 W Used	Major	0 >
	Fan Running Status:		Total: 370.0 W Used: 0.00%	Minor	20 >

Point to **Details** to view basic device information.

Figure 19 Basic Device Information

Ruíie	Dashboard				٩	∢ Wizard 🧿 🛙
	Device Panel					e 5D:03H:35N
	Ruíjie		*2 A3 Y6 A5 Y6 A7 Y8	A0 ¥10 A11 ¥12 A13 ¥16 A15 ¥16 A17 ¥16 A	xis vzo azi vzo azi vzo XS-S1930	J-24GT4SFP/2GT-P
6 19-24G-P \$1930J-24GT4SFP/2GT-P	Device Info Device Name: 19-24G-P Device Model: XS-S1930J-24GT4SFP/2GT- P					77 207 0207 0277 0207 0207
Details >> ᢙ Dashboard	Serial Number: 1234942570061 MAC: 00:D0:F8:22:33:4A Software Version: X\$19301,RGOS 11.4(1)870P15, Release(08181017)			Flash Usage	Auto Smart Deployn	nent
🗎 Port	Device Location:		-the love	20.48%		
S VLAN	50%				(Do not	
Va Diagnosis	Memory Usage					
ଞ୍ଚ Web CLI	Hardware Status	Traffic Throughput	>	PoE Status	> Alarms	
More	Power	0.01%	0.01%	0.0 W Used	Major	0 >
	Unsupported			•	Normal	20 >
	Fan Running Status:			Total: 370.0 W Used: 0.00%	Minor	20 >

Device Panel: displays the online statuses of ports. When you point to an online port, detailed information about the port can be displayed.

Figure 20 Port Details

Ruíne	Dashboard	r		9	≰ Wizard ⑦ 🗗
	Device Panel	Gi0/1 Descript	ion:	Uptime	5D:03H:36N
19-24G-P	Rujje	Composition of the second seco	et ACCESS ILAN: 4094 ed: 73277 bps 412389 bps rt 73019110164 B 466223188 B		-24GT4SFP/2GT-P 235 235 235 235 235 235 235 235
XS-S1930J-24GT4SFP/2GT-P Details >>		Error Fra Power St	ame Count: 0 tatus: off	1 1	
	CPU & Memory Usage		Flash Usage	Auto Smart Deployme	ent :
ගි Dashboard	20%	d a		C	
🖮 Port	CPU Usage	literitelitere	20.48		e)
ଞ VLAN	50%		20.40%	Do not s	support
ପ୍ନ Diagnosis	Memory Usage				
역 Web CLI	Hardware Status	Traffic Throughput	> PoE Status	> Alarms	
BB More	Power Running Status:	0.01% 0.01%	0.0 W Used	Major	0 >
	Fan		Total: 370.0 W	Normai	20 >
	Running Status:	Input Output	Used: 0.00%	Minor	20 >

You can click > in the **Traffic Throughput** area to view the port status and data traffic statistics.

Figure 21 Port Traffic Statistics

	Dashboard								√ Wizard 🕐 [
	Device Pane	al							me 5D:03H:37N
	Port Info							>	24GT4SFP/2GT-P
19.24C P	Refresh								20F 0 20F 0 27F 0 20F
S1930J-24GT4SFP/2GT-P	Port	Status (Real speed)	Ingress	Egress	InOctets/OutOctets	UnderSize/OverSize	CRC/FCS Error	Collision Count	
Details	Gi0/1	Connected (1000M)	2400 bps	14671 bps	73019146885/46439123	0/0	0/0	0	int
බ Dashboard	Gi0/2	Not Connected	0 bps	0 bps	0/0	0/0	0/0	0	
🗎 Port	Gi0/3	Not Connected	0 bps	0 bps	0/0	0/0	0/0	0	
ଞ୍ଚ VLAN	Gi0/4	Not Connected	0 bps	0 bps	0/0	0/0	0/0	0	upport
ୟ Diagnosis	GI0/5	Not Connected	0 bps	0 bps	0/0	0/0	0/0	0	
号 Web CLI	GI0/6	Not Connected	0 bps	0 bps	0/0	0/0	0/0	0	
BC More	GI0/7	Not Connected	0 bps	0 bps	0/0	0/0	0/0	0	0 >
	GI0/8	Not Connected	0 bps	0 bps	0/0	0/0	0/0	0	20 >
							Total 28 items	< 1234>	20 >
									20 7

You can click > of different severities in the Alarms area to view detailed information about the corresponding alarm severities.

Figure 22 Alarm Detail



Click > in the **PoE Status** area to view PoE details.

Figure 23 PoE Details

al Iție	Overall PoE Status S Total:	Statistics		× 1.47 *6.49 *2	xs	Uptime 5D:03H:39M
ıŢīē	Overall PoE Status S	Statistics		× 1		-S1930J-24GT4SFP/2GT-P
	Total:	270.014				8FP © 25F
		370.0 W	Avaliable:	370.0 W		27F 28F 98F 27F 28F 28F
	Consumption: Average:	0.0 W 0.0 W	Remain: Peak:	370.0 W 11.4 W		
nory Usage	Powered Ports:	0			Auto Smart De	ployment
6 iage	nante de la caractería	hendelburgthe		20.48		
6 y Usage				20.40%		
tatus	Traffic Throughpu	ut	>	PoE Status	> Alarms	
r (77) Status:	0.01%	0.01%		0.0 W Used	Major	0 >
pported					Normal	20 >
Status:	Input			Total: 370.0 W Used: 0.00%	Minor	20 >
	6 sage 6 yy Usage tatus status status status status status status status (************************************	6 ry Usage tatus tatus poported Status: status: poported tatus	6 ry Ukage Traffic Throughput status poported Status: status: input Output Input Output	6 tage tatus t	6 6 7 7 8 8 8 9 9 9 10 10 10 10 10 10 10 10 10 10	6 6 7 7 8 8 8 9 9 1 1 1 1 1 1 1 1 1 1 1 1 1

1.3.5 Port

On the **Port** page, you can set basic port information and port mirroring.

V Port Settings

Figure 24 Port Settings

	Port Setting	s Port	Mirroring							
	Port List									
19-24G-P	Batch Config	uration								
1930J-24GT4SFP/2GT-P	Action	Port	Status	Speed	Duplex	Interface	VLAN/IP Address	Desc	EEE	Rate Lim
	Ĩ	Gi0/1	Enable	Auto	Auto	ACCESS	Access VLAN: 4094		Disable	
Dashboard	Ĩ	Gi0/2	Disable	Auto	Auto	ACCESS	Access VLAN: 1		Disable	
) Port	Ĩ	Gi0/3	Disable	Auto	Auto	ACCESS	Access VLAN: 1		Disable	
VLAN	Ĩ	Gi0/4	Disable	Auto	Auto	ACCESS	Access VLAN: 1		Disable	
Diagnosis	<i>Ĩ</i>	Gi0/5	Disable	Auto	Auto	ACCESS	Access VLAN: 1		Disable	
Web CLI	Ĩ	Gi0/6	Disable	Auto	Auto	ACCESS	Access VLAN: 1		Disable	
More	<i>Ĩ</i>	Gi0/7	Disable	Auto	Auto	ACCESS	Access VLAN: 1		Disable	
	Ĩ	Gi0/8	Disable	Auto	Auto	ACCESS	Access VLAN: 1		Disable	
	Ĩ	Gi0/9	Disable	Auto	Auto	ACCESS	Access VLAN: 1		Disable	
	Ĩ	Gi0/10	Disable	Auto	Auto	ACCESS	Access VLAN: 1		Disable	
	4									÷

Batch Configuration

Click Batch Configuration. The Batch Configuration page is displayed. You can scroll down to view configurable items.

Specify Status, Speed, Duplex, Speed etc. No Change indicates that the original configuration is retained. Select the required port and click Save to complete configuration. During batch settings, you can specify No Change to implement batch settings of one or more items.

Figure 25 Batch Configuration

	Port Settings Po	ort Mirroring						
	Basic							
19-24G-P	Status:	No Change	*			Interface:	No Change 🔹	
1930J-24GT4SFP/2GT-P	Duplex:	No Change	Ŧ					Ref (1)
Details >>	Speed:	No Change	•					
Dashboard	Description:	No Change	•					
Port	Advanced							
3 VLAN	EEE: GIO/4	No Change	Ŧ					
Diagnosis		To enable EEE function end port must enable as well.	, the peer- EEE function					
Web CLI								
8 More	Select Port:							
	Select Port:							
	Available 🚍 Uni	available 🚞 Selected	AG Port		ACC Cop	per SFP		
	2222 2 2222 2					s velane 1		- 1
	14444 3			26 26 27 20	Save	Cancel		

• Editing Ports

Click the Edit icon of a port in the **Action** column of **Port List**. The port configuration information is displayed. After you edit the information, click **Save**. After "Configuration succeeded!" is displayed, the editing operation is complete. The port status, duplex mode, speed, and port type can be configured.

Figure 26 Editing Ports

		Port Settings	Po	ort Mirroring					
	9.246.8	Port: Gi0/1	tion						
-5193	U-24GT4SFP/2GT-P	Status:		Enable	-		Interface:	Switch Port 👻	
	Details >>_)	Duplex:		Auto	*		Link Type:	Access •	
	Dashboard	Speed:		Auto	•		Access VLAN:	4094 *	
	Port	Descriptio	n: GI0/3					Range: 1-4094	
60	VLAN	Advanced							
	Diagnosis	EEE:		Disable	•				
	Web CLI			end port must enable as well.	e EEE function				
	More								

Dert Mirroring

Figure 27 shows the **Port Mirroring** page.

Figure 27 Port Mirroring

Ruíjie	Port
	Port Settings Port Mirroring
19-24G-P	Note: Port mirroring is the capability to send a copy of network packets seen on the source port to the destination port for analysis by a network analyzer. Traffic on multiple source ports can be mirrored to one single destination port. Tip: A source port cannot be a destination port.
XS-S1930J-24GT4SFP/2GT-P Details >>	Source Port: (You can select multiple ports. However, the device performance may be influenced.)
🖗 Dashboard	□Available ■Unavailable ■Selected ①AG Port □Copper □SFP 1 3 5 7 9 11 13 17 19 21 26 1 2 2 2 2 2 2 2 1 2 2 2 2 2 1 2 2 2 2 1 2 2 2 2 1 3 5 2 2 1 3 5 2 2 1 3 5 2 2 1 3 5 2 2 1 3 5 2 2 1 3 5 2 2 1 3 5 2 2 1 3 5 2 2 1 3 5 2 2 1 3 3 3 3
ଞ VLAN	2 4 6 8 10 12 14 16 18 20 22 24 26 27 28 Note: Click the left mouse button to select multiple ports. All Invert Cancel All Invert Cancel
ୟ Diagnosis	Destination Port: (Only one port can be selected.)
S Web CLI 器 More	☐ Available © Unavailable © Selected ① AG Port ○ Copper □ SFP 1 3 5 7 9 1 2 2 1 3 5 7 1 1 1 1 1 2 4 6 8 10 12 14 16 18 20 22 24 25 27 28 Cancel
	Save

Only one mirrored port can be set on the eWeb. Enable **Port Mirroring**, specify **Source Port** and **Destination Port**, and click **Save**. Port mirroring is successfully configured after "Save operation succeeded!" is displayed.

The panel displays the current port mirroring status, and both the source and destination ports are in the editable state. If you expect to abandon a modification to port information, click **Refresh** to restore the panel to the current port mirroring configuration status.

A member port of an aggregation port cannot function as a destination port.

Figure 28 shows the VLAN page.

Figure 28 VLAN

VLAN ID	VLAN Name	IPv4 Address	IPv4 Mask	IPv6 Address/Mask	Port	Action
1	VLAN0001	172.17.207.69	255.255.255.192		Gi0/1-18,Gi0/21- 22,Gi0/25-28,Ag1-2	Ĩ
100	VLAN0100					<i>î</i> 🔟
200	VLAN0200					<i>î</i> 🔟
300	VLAN0300					<i>î</i> 🔟
					Total 4 item	

Adding VLANs

Click Add. The Add page is displayed. Specify VLAN ID and other information (optional) and click Save. After "Add operation succeeded!" is displayed, the added VLAN is displayed in VLAN List. If the selected port is an access port on the switch, the access VLAN of the port is changed to the configured VLAN. If the selected port is a trunk port on the switch, the configured VLAN is added to Allowed VLAN.

Figure 29 Add

I		
VLAN ID:	*	
	Range: 1-4094	
VLAN Name:		
IPv4:	None 🔻	
Calast Darts		
Select Port:		
Select Port:		
Available	Inavailable 💼 Selected 🚹 AG Port 🖅 Trunk Port	Copper SFP
Available	Inavailable 💼 Selected <u>آ</u> AG Port <u>آ</u> Trunk Port 9 11 13 15 17 19 21 23 25	Copper SFP
Available I 1 3 5 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 1 3 5 7 1 3 5 7 1 3 5 7 1 3 5 7 1 3 5 7 1 3 5 7 1 3 5 7 1 3 5 7 1 3 5 7 1 3 5 7 1 3 5 7 1 3 5 7 1 3 5 7 2 1 5 8	Inavailable Selected I AG Port Trunk Port 9 11 15 17 19 21 23 25 Image: Image of the state	Copper SFP

Editing VLANs

Click the edit icon of a VLAN in the **Action** column of **VLAN List**. The VLAN information is displayed. Edit the information, and click **Save**. After "Edit operation succeeded!" is displayed, the editing operation is complete. Information of the VLAN in **VLAN List** is updated.

Deleting VLANs

1. Select multiple records in VLAN List and click Delete to batch delete the data records.

2. Click the edit icon of a VLAN in the Action column of VLAN List. In the displayed deletion confirmation dialog box, click OK. After "Delete operation succeeded!" is displayed, the deletion is complete.

VLAN1 is the default management VLAN. It can only be modified and cannot be deleted. When modifying the IP address of VLAN1, ensure that the new IP address is reachable. After the modification is successful, the login page is displayed and you need to log in to the eWeb again. If switching to the login page fails and a message indicating that the web page cannot be found is displayed, the specified IP address may be unreachable. Check the network connection.

1.3.6 Diagnosis

The **Diagnosis** page consists of three parts: **Ping**, **Traceroute**, and **Cable Detection**.

V Ping

Figure 30 shows the **Ping** page.

Figure 30 Ping

ng Traceroute	Cable Detection	
Src IP or Interface:	VLAN 1-172.17.207.69 -	0
Dest IP or Domain Name:		
	IP example: 192.168.1.1. Domain name example: www.ruijienetworks.com	
Timeout (s):	2	
Papagt Count	Range: 1-10	
Repeat Count:	5 Range: 1-100	
	Ping	

Specify Src IP or Interface, enter Dest IP or Domain Name and click Ping. The detection result is displayed in the text box. If no detection result is returned for more than 5 minutes, the Fail dialog box is displayed.

Figure 31 Fail

Fail		
	\mathbf{x}	
	Fail	
	ОК	

Y Traceroute

Figure 32 shows the Traceroute page.

Figure 32 Traceroute

IP example: 192.168.1.1. Domain name example: www.ruijienetworks.com	•		
IP example: 192.168.1.1. Domain name example: www.ruijienetworks.com			
3			
Range: 1-10			
Traceroute			
	Range: 1-10 Traceroute	Range: 1-10 Traceroute	Range: 1-10 Traceroute

Specify **Dest IP or Domain Name** and other information and click **Traceroute**. The detection result is displayed in the text box later. If no detection result is returned for more than 5 minutes, the **Fail** dialog box same as that in Figure 32 is displayed.

****Cable Detection

Figure 33 shows the **Cable Detection** page.

Figure 33 Cable Detection

Ping	Traceroute	Cable Detection	
Note: On	ly A and B twisted-pair	s will be detected by the 100M port. The length de	eviation is less than 10 meters.
Select Po	rt:		
Select Poi	rt: 		
Select Por	ilable 🛄 Unavailable 5 7 9 11 13	Selected 517 AG Port	Copper SF
Select Por	ilable 🛄 Unavailable 5 7 9 11 13	Selected 1 AG Port 15 17 19 21 23 25	Copper SF
Select Por	ilable Unavailable	Selected AG Port 5 15 17 19 21 23 25 5 16 18 20 22 24 26 25 26 27 28	Copper SF

Select an available port on the panel and click **Detect**. After the detection confirmation dialog box is displayed, click **OK**. The detection result is displayed in the table below **Detect** later.

Figure 34 Cable Detection Result

nosis			Q 🛛 🛛 Wizard 🕐
Ping Traceroute Cable Detection			
Note: Only A and B twisted-pairs will be detected by the 100M po	rt. The length deviation is less than	10 meters.	
Select Port:			
Available 💼 Unavailable 👚 Selected 11 AG Port		Sopper SFP	
1 3 5 7 9 11 13 15 17 19 21 23 25	25 26 27 28		
		Cancel	
Detect			
Port: (A / B / C / D represent four cable pairs)	State	Meters	
Gi0/23:A	OK	26	
Gi0/23:B	OK	26	
Gi0/23:C	OK	26	
Gi0/23:D	OK	26	
			Total 4 items < 1

1.3.7 Network Settings

The first-level menu More includes three second-level menus: Network Settings, Security Settings, and System Settings.

This section mainly introduces $\ensuremath{\textit{Network Settings}}.$

1.3.7.1 MAC Address

The MAC Address page consists of two parts: Static Address Settings and Filtering Address Settings.

Static Address Settings

Figure 35 shows the Static Address Settings page.

Figure 35 Static Address Settings

Static Address Settings Filte	ering Address Settings		
Note: The switch forwards data according the packet with the same destination address forw	MAC address inside the data frame. If you configur vards it to the specified port. With 802.1X authentics	e MAC-port binding on a network device manu ition enabled, you can implement authenticatio	ally, after you add a static address, the switch that receives the n exemption by binding MAC address with port.
Add Delete			
Port	MAC Address	VLAN ID	Action
Gi0/25	0000.0000.0001	10	

• Adding Static Addresses

Click Add. The Add page is displayed. Specify MAC Address, VLAN ID, and Port and click Save to set a static address. After "Add operation succeeded!" is displayed, the newly added address is displayed in the static address list.

Figure 36 Add

Add		×
MAC Address:	*	
VLAN ID:	Format: 4422.6622.8866	
Select Port:	Range: 1-4094	
🖸 Available 📃 Un	available 📃 Selected 517 AG Port	Copper SFP
	· 11 13 15 17 19 21 23 25 1 · · · · · · · · · · · · · · · · · · ·	
2 4 0 8 11	J 12 14 10 18 20 22 24 20 25 20 27 20	Cancel
	Save Cancel	

• Deleting Static Addresses

1. Click the delete icon of a static address in the **Action** column of the MAC address list. In the displayed deletion confirmation dialog box, click **OK**. After "Delete operation succeeded!" is displayed, the deletion is complete. The deleted static address is no longer displayed in the MAC address list.

2. Select multiple records in the MAC address list and click **Delete** to batch delete the data records.

**** Filtering Address Settings

Figure 37 shows the Filtering Address Settings page.

Figure 37 Filtering Address Settings

Configuration Guide

/ Network Settings / MAC Ad	ldress		Q	?
Static Address Settings	Filtering Address Settings			
Note: The switch forwards data according configured as a filter address, it discu	rding to the MAC address inside the data frame. If a switch r ards the packet. You can prevent the ARP attack by configuri	eceives a packet with the source/destir ng a filter address the same as the MA	nation MAC address which is C address of ARP packets.	
Add Delete				
MAC Address	VLAN ID	Action		
0000.0000.0006	100	<i>i</i> 🔟		

• Adding Filtering Addresses

Click Add. The Add page is displayed. Specify MAC Address and VLAN ID and click OK to set a filtering address. After "Add operation succeeded!" is displayed, the filtering address is displayed in the filtering address list.

Figure 38 Add

Add		×
MAC Address:	Format: 4422.6622.8866	
VLAN ID:	* Range: 1-4094	
	Save	,

Editing Filtering Addresses

Click the edit icon of a filtering address in the **Action** column of the filtering address list. The filtering address information is displayed. After you edit the information, click **Save**. After "Edit operation succeeded!" is displayed, the editing operation is complete.

• Deleting Filtering Addresses

1. Click the delete icon of a filtering address in the **Action** column of the filtering address list. In the displayed deletion confirmation dialog box, click **OK**. After "Delete operation succeeded!" is displayed, the deletion is complete. The deleted filtering address is no longer displayed in the filtering address list.

2. Select multiple records in the filtering address list and click **Delete** to batch delete the data records.

1.3.7.2 ARP Entry

Figure 39 ARP Entry

/ Network Set	ttings / ARP Entry			Q 🛛 🖉 Wizard 🛇 ⑦ [
Dynamic Bindi	ng>>Static Binding Remove st	atic Binding Manual Binding Delet	e Refresh	IP Q
	IP	MAC	Туре	Action
	172.17.207.65	5869.6c62.9fa2	Dynamic Binding	Dynamic Binding>>Static Binding
	172.17.207.69	5869.6cc8.f671	Local ARP Entry	Dynamic Binding>>Static Binding
				Total 2 items 🧹 🚹

- Dynamic Binding>>Static Binding
- 1. Select multiple dynamic data records in the ARP entry list and batch set them as static binding records.

2. Click **Dynamic Binding>>Static Binding** in the **Action** column of the ARP entry list. After "Operation succeeded!" is displayed, static binding is successful.

- Remove Static Binding
- 1. Select multiple static binding data records in the ARP entry list and click Remove static Binding.

2. Click **Remove static Binding** in the **Action** column of the ARP entry list. After "Operation succeeded!" is displayed, static binding is removed.

Manual Binding

Click **Manual Binding**. The **Manual Binding** page is displayed. Specify mandatory parameters **IP** and **MAC address**, and click **Save**. After "Operation succeeded!" is displayed, the manual binding record is displayed in the ARP entry list.

Figure 40 Manual Binding

Manual Binding	×
IP:	*
MAC:	*
	Format: 4422.6622.8866
	Save

• Delete

Select multiple dynamic or static binding data records in the ARP entry list to batch delete the data records.

Refresh

Click **Refresh** to update the current ARP entry list.

1.3.7.3 STP & RLDP

The STP & RLDP page consists of three parts: Global Configuration, STP Port Settings, and RLDP.

Global Configuration

Figure 41 Global Configuration

STP Mode:	MSTP			
MST Name:		MST Version:	0	
	Range: 1-32 Bytes		(Range: 0-65535; Default: 0)	
Advanced Setting	s v			
Priority:	8	Hello Time:	2	
	(Range: 0-15; Default: 8)		(Range: 1-10s; Default: 2s)	
Aging Time:	20	Forward Delay:	15	
	(Range: 6-40s; Default: 20s)		(Range: 4-30s; Default: 15s)	
	Save			
IST Settings ote: It is recommended to disa Add Delete	Save	STP again after configuration, so as t	o ensure the stability and convergence of network topology.	
IST Settings ote: It is recommended to disa Add Delete	Save able STP before configuring an instance and enable stance Value	STP again after configuration, so as to VLAN Range	o ensure the stability and convergence of network topology. Priority	Action

You can configure global STP parameters. When **MSTP** is selected for **STP Mode**, you can perform MST settings.

Adding Instances

Click Add in MST Settings. The Add page is displayed.

Figure 42 Add

Add		×
Instance Value:	Range: 1-64	
VLAN Range:	* Range: 1-4094: Example: 11, 22, 33-	
Priority:	44, 55 8 (Range: 0-15; Default: 8)	
	Save	

Specify Instance Value, VLAN Range, and Priority, and click Save. After "Add operation succeeded!" is displayed, the instance configuration information is displayed in Instance List.

Editing Instances

Click the edit icon of an instance in the **Action** column of **Instance List**. The instance information is displayed. After you edit the information, click **Save**. After "Edit operation succeeded!" is displayed, the editing operation is complete.

Deleting Instances

1. Select multiple records in Instance List and click Delete to batch delete the data records.

2. Click the delete icon of an instance in the **Action** column of **Instance List**. In the displayed deletion confirmation dialog box, click **OK**. After "Delete operation succeeded!" is displayed, the deletion is complete.

Instance 0 is the default instance and cannot be edited or deleted.

STP Port Settings

Figure 43 STP Port Settings

Batch Configuration									
	Port & Status	Port Fast	BPDU Guard	Protection Mode	Connection Mode	Instance Cost Priority	Action		
	Gi0/24,Down	Disabled	Disabled	Null	point-to-point	0 0 128	Ĩ		
	Gi0/23,Down	Disabled	Disabled	Null	point-to-point	0 0 128	Ĩ		
	Gi0/20,Down	Disabled	Disabled	Null	point-to-point	0 0 128	Ĩ		
	Gi0/19,Down	Disabled	Disabled	Null	point-to-point	0 0 128	Ĩ		
	Gi0/28,Down	Disabled	Disabled	Null	point-to-point	0 0 128	Ĩ		
	Gi0/27,Down	Disabled	Disabled	Null	point-to-point	0 0 128	Ĩ		
	Gi0/26,Down	Disabled	Disabled	Null	point-to-point	0 0 128	Ĩ		
	Gi0/25,Down	Disabled	Disabled	Null	point-to-point	0 0 128	Ĩ		
	Gi0/22,Down	Disabled	Disabled	Null	point-to-point	0 0 128	Ĩ		
	Gi0/21,Down	Disabled	Disabled	Null	point-to-point	0 0 128	Ĩ		

Batch Configuration

Click Batch Configuration. The Batch Configuration page is displayed. Specify Protection Mode, Port Fast, BPDU Guard, Connection Mode, and Port Priority and select ports for batch configuration.

Figure 44 Batch Configuration

Batch Configuration				×
Protection Mode:	Null	Port Fast:	Disabled	•
BPDU Guard:	Up 👻	Connection Mode:	auto	•
Port Priority:				
		+ Add		
Select Port:	navailable 💼 Selected 🛐 AG Po	rt	Copper SFP	
	9 11 13 15 17 19 21 23 	25 26 25 26 26 26 25 26 27 28		
Note: Click the left r	nouse button to select multiple ports	5.	All Invert Cancel	
	Save	Cancel		

Editing Settings

Click the edit icon of an STP port in the **Action** column of **STP Port Settings**. The port information is displayed. After you edit the information, click **Save**. After "Edit operation succeeded!" is displayed, the editing operation is complete.

↘ RLDP

Figure 45 RLDP

STP RLDP				
Note: RLDP (Rapid Link Detection Pro Tips: 1. Enabling RLDP on the port ca	tocol) enables you to detect link failure quic an avoid broadcast storm caused by loops. I	kly. RLDP can run on the port only after it is the recommended to enable RLDP on the patient of the statement of the statemen	s enabled globally. port connected to the PC.	
2. Unidirectional/Bidirectional lin	ik detection requires the ports on both ends	of the link to be enabled with RLDP. It is re	commended to configure RLDP to monitor the link between t	two switches.
RLDP:				
Global Configuration				
Detection Interval:	3			
	Range: 2-15s			
Detection Count:	2			
	Range: 2-10			
Errdisable Recovery:	(Bange: 30-86400s: Default: 300)			
	Save			
RLDP Port Configuration				
Batch Configuration Delet	te			
Po	ort	Detection Type	Troubleshooting	Action
		No	Data	
				Total O item

1. Global Configuration

Enable the RLDP function. After "Enable operation succeeded!" is displayed, the global RLDP function is enabled. Disable the RLDP function. After "Disable operation succeeded!" is displayed, the global RLDP function is disabled.

When the RLDP function is enabled, edit **Detection Interval**, **Detection Count**, and **Errdisable Recovery**, and click **Save**. After "Save operation succeeded!" is displayed, the configuration is complete.

- 2. RLDP Port Configuration
- Batch Configuration

Click Batch Configuration. The Batch Configuration page is displayed. Specify Detection Mode, Troubleshooting, and Port, and click Save. After "Add operation succeeded!" is displayed, selected ports can be configured in batches, and the configuration information is displayed in RLDP Port Configuration.

Figure 46 Batch Configuration

Detection Mode:	Unidirectional Link Detection 💌	
Troubleshooting:	Warning	
Select Port:		
CAvailable 型 Una 1 3 5 7 9 ロロロロロロロロロロロロロロロロロロロロロロロロロロロロロロロロロロロロ	vailable Selected AG Port 11 13 15 17 19 21 23 25 11 13 15 17 19 21 23 25 12 12 12 12 12 12 12 12 14 16 18 20 22 24 26 25 26 27 28	Copper SFP

3. Editing RLDP Port Settings

Click the edit icon of an RLDP port in the **Action** column of **RLDP Port Configuration**. The RLDP port information is displayed. After you edit the information, click **Save**. After "Edit operation succeeded!" is displayed, the editing operation is complete.

Figure 47 RLDP Port List

Port Gi0/27		×
Detection Mode:	Unidirectional Link Detection -	
Troubleshooting:	Warning -	
	Save	

- 4. Deleting RLDP Port Settings
- (1) Select multiple records in **RLDP Port Configuration** and click **Delete** to batch delete the data records.

(2) Click the edit icon of an RLDP port in the Action column of RLDP Port Configuration. In the displayed deletion confirmation dialog box, click **OK**. After "Delete operation succeeded!" is displayed, the deletion is complete.

1.3.8 Security Settings

The first-level menu More includes three second-level menus: Network Settings, Security Settings, and System Settings.

This section mainly describes Security Settings.

1.3.8.1 Port Protection

Figure 48 shows the **Port Protection** page.

Figure 48 Port Protection

ote: Protected ports can not communicate with each other. The selected ports on the p	anel are the protected ports.Pl	ease click 'Display Protected Port' t	to refresh the panel.	
ect Port:				
🖸 Available 💼 Unavailable 💼 Selected 🏦 AG Port	Copper SFP			
1 3 5 7 9 11 13 15 17 19 21 23 25 立立立立 立立立立				
Note: Click the left mouse button to select multiple ports.	All Invert Cancel			

Select a port on the panel and click **Save** to set a port as a protection port. After the confirmation dialog box is displayed, click **OK**. After "Save operation succeeded!" is displayed, the configuration is complete.

1.3.8.2 IGMP Snooping

Figure 49 shows the **IGMP Snooping** page.

Figure 49 IGMP Snooping

Server Excitation/Tits.	server, manually ranks are passed to a	e bruit cannot quise and cosmonly seen as	upwage. Highly guaranteed is need to per out	on which purchases is an IGALP subscriber and or	dy saved KCastP tradit; to the post, no as to
	-				
IGMP Snoop	ing:				
IGMP Profile	e List				
Add	Delete				
	IGMP Profile ID	Multicast Address	Policy Action	Application Port	Action

• Enabling/Disabling IGMP Snooping

Enable the IGMP Snooping function. After "Enable operation succeeded!" is displayed, IGMP Profile List is displayed.

Disable the IGMP Snooping function. After the confirmation dialog box is displayed, click **OK**. After "Disable operation succeeded!" is displayed, IGMP Snooping is disabled.

• Adding IGMP Profiles

Click Add. The Add page is displayed. Specify IGMP Profile ID, Multicast Range, Policy Action, and other information (optional), and click Save. After "Add operation succeeded!" is displayed, the added IGMP profile is displayed in IGMP Profile List.

Figure 50 Add

dd		>
IGMP Profile ID:	*	
Multicast Range:	Range: 1-1024	*
Policy Action:	Range: 224.0.0.0-239.255.255.255	
Select Port:		
Available 🛄 Un	available 📃 Selected 🛐 AG Port	Copper SFP
	11 13 15 17 19 21 23 25 같다다다 다다다다 다 같다다다 다다다다 다 같다. 18 20 27 26 - 27 28	
Note: Click the left m	puse button to select multiple ports.	All Invert Cancel
·	Save Cancel	

• Editing IGMP Profiles

Click the edit icon of an IGMP profile in the Action column of IGMP Profile List. The IGMP profile information is displayed. After you edit the information, click **Save**. After "Edit operation succeeded!" is displayed, the editing operation is complete.

Deleting IGMP Profiles

1. Select multiple records in IGMP Profile List and click Delete to batch delete the data records.

2. Click the delete icon of an IGMP profile in the **Action** column of **IGMP Profile List**. In the displayed deletion confirmation dialog box, click **OK**. After "Delete operation succeeded!" is displayed, the deletion is complete.

1.3.8.3 DHCP Snooping

Figure 51 shows the **DHCP Snooping** page.

Figure 51 DHCP Snooping

Note: DHCP snooping is used to filter DHCP packets received on an untrusted po only if it is from a trusted port.	rt from outside the network or firewall. The DHCP re	quest packet is forwarded to the trusted port. The DHCP reply packet is forwarded
Tip:The port connected to the DHCP server is configured as a trusted port gener	ally.	
HCP Snooping:		
elect Trusted Port		
🗋 Available 💼 Unavailable 💼 Selected 🖽 AG Port	Copper SFP	
1 3 5 7 9 11 13 15 17 19 21 23 25 CCCCC CCCCC CCCCC CC		
2 4 6 8 10 12 14 16 18 20 22 24 26 25 26 27 24		

Ports connected to the DHCP server need to be set as DHCP trusted ports. The DHCP server works improperly over non-trusted ports. Selected ports on the panel are DHCP trusted ports. You can select ports on the panel and click **Save**. After "Save operation succeeded!" is displayed, the configuration is complete.

The panel displays ports with the DHCP trusted port function enabled, and the ports are in the editable state. If you expect to abandon a modification to port information, click **Display Trusted Port** to restore the panel to the current DHCP trusted port configuration status.

1.3.9 System Settings

1.3.9.1 PoE

The **PoE** page consists of two parts: **PoE Time Range** and **PoE Settings**. The **PoE** page is available only for devices that support the PoE function.

V PoE Time Range

Figure 52 PoE Time Range

Add Delete				
Time Range Name	Time Period	Status	Action	
1	Monday (2:00-3:00)	Inactive	<i>1</i> Ш	

Adding Time Ranges

Click Add. The Add page is displayed. Specify Time Range Name and Time Period, and click Save. After "Add operation succeeded!" is displayed, the added time range is displayed in Time Range List.

Figure 53 Add

Add		\times
Time Range Name:	I Range: 1-32 Bytes	
Time Period:	Monday ×	
	+ Add More	
	Save Cancel	

Editing Time Ranges

Click the edit icon of a time range in the **Action** column of **Time Range List**. The time range information is displayed. After you edit the information, click **Save**. After "Edit operation succeeded!" is displayed, the editing operation is complete.

• Deleting Time Ranges

1. Select multiple records in Time Range List and click Delete to batch delete the data records.

2. Click the delete icon of a time range in the **Action** column of **Time Range List**. In the displayed deletion confirmation dialog box, click **OK**. After "Delete operation succeeded!" is displayed, the deletion is complete. The deleted time range is no longer displayed in **Time Range List**.

DoE Settings

The PoE Settings page consists of two parts: Global Configuration and Port Settings.

Global Configuration

Figure 54 Global Configuration

Global Configuration				
Alarm Matification Threats				
Auarm Nobincation Inresho	id:	o 99%		
Not Interrupt PoE During F	eboot:			

Set Alarm Notification Threshold and Not Interrupt PoE During Reboot, and click Save. After "Save operation succeeded!" is displayed, the configuration is complete.

V Port Settings

Figure 55 Port Settings

Batch Conf	guration											
Port	Control	Status	Priority	Max Power	Curr Power	Avg Power	Peak. Power	Curr Current	Port Voltage	Trouble Cause	PD Class	Action
GI0/1	enable	off	low	28	0.0W	0.0W	0.0W	0mA	0.0V	None	N/A	1
G/0/2	enable	off	low	Э	0.0W	0.0W	0.0W	0mA	0.0V	None	N/A	i.
Gi0/3	enable	off	low	4	0.0W	0.0W	0.0W	0mA	0.0V	None	N/A	1
Gi0/4	enable	off	law	4	0.0W	0.0W	0.0W	0mA	0.0V	None	N/A	i.
Gi0/5	enable	off	low	3	0.0W	0.0W	0.0W	0mA	V0.0	None	N/A	i.
Gi0/5	enable	off	kow	12	0.0W	0.0W	0.0W	0mA	0.0V	None	N/A	i.
Gi0/7	enabie	off	low	22	0.0W	0.0W	0.0W	0mA	0.0V	None	N/A	1.
Gi0/8	enable	off	low		0.0W	0.0W	0.0W	OmA	0.0V	None	N/A	i.

Batch Configuration

Click Batch Configuration. The Batch Configuration page is displayed. Select required ports, specify PoE Control, PoE Priority, Maximum Power, and Go Offline Time, and click Save. After "Save operation succeeded!" is displayed, the configuration is complete.

Figure 56 Batch Configuration

POE CONTIOL	No Change	~	
PoE Priority:	No Change	▼	
Maximum Power:	No Change	•	
		Range: 0.0-36.0 w	
Go Offline Time:	No Change	 Time Range Setting 	ngs
Available Unat 1 3 5 7 9 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그	vailable 🚰 Selected 11 AG	Port 25 25 2 2 2 2 2 2 2 2 2 6 2 5 2 6 27 28	Copper SFP

• Editing Ports

Click the edit icon of a port in the **Action** column of **Port List**. The port information is displayed. After you edit the information, click **Save**. After "Edit operation succeeded!" is displayed, the editing operation is complete.

Figure 57 PoE Settings

Enable	_	
	•	
Low	•	
Range: 0.0-60.0 w		
Never	 Time Range Settings 	
	Low Range: 0.0-60.0 w Never	Low Low Time Range Settings

1.3.9.2 DNS

Figure 58 shows the **DNS** page.

Figure 58 DNS

DNS Server:	*	The IP address is formatted as 192.168.1.1. The IPv6 address is formatted as 12:154:58:a1:23:34:43:19.	
	1		

Enable the DNS function, specify **DNS Server**, and click **Save**. After "Save operation succeeded!" is displayed, the configuration is complete. A maximum of six DNS records can be configured.

1.3.9.3 Service

Five services, including **Web Server (http)**, **Web Server (https)**, **SSH Server**, **Telnet Server**, and **SNMP-agent** can be configured on the **Service** page.

Figure 59 shows the **Service** page.

Figure 59 Service

Port:	80	*
	(Range: 80, 1025-65535; Default: 80)	
Port:	443	•
	(Range: 443, 1025-65535; Default: 443)	
SNMP Version:	● V2c ○ V3	
Device Location:		
SNMP Password:		•
Trap Password:		
	The Trap password should be the same as the SNMP password.	
Trap Recipient IPs:		
	You can configure up to 10 Trap recipient IPs. Please use ',' or press the Enter key to separate IP	
	Port: Port: Port: SNMP Version: Device Location: SNMP Password: Trap Password: Trap Recipient IPs:	Port: 80 (Range: B0, 1025-65535; Default: B0) Port: 443 (Range: 443, 1025-65535; Default: 443) SNMP Version: • SNMP Version: • SNMP Version: • SNMP Password: • Trap Password: • Trap Recipient IPs: • You can configure up to 10 regree •

Set the service statuses. In the **SNMP-agent** area, set mandatory parameters **SNMP Version**, **User Name** (v3), **SNMP Password** (v2), **Trap Password**, and **Trap Recipient IPs**, and click **Save**. After "Save operation succeeded!" is displayed, the configuration is complete.

1.3.9.4 System Log

The System Log page consists of two parts: Log Server Settings and Display System Log.

Log Server Settings

Figure 60 shows the Log Server Settings page.

Figure 60 Log Server Settings

Syslog:			
Global Configuration			
Server IP:		*	The IP address is formatted as
	+ Add More		192.168.1.1.
Log Level:	6-Informational	•	
	Save		

1. Enable the Syslog function. After "Enable operation succeeded!" is displayed, the Syslog function is enabled. Disable the Syslog function. After "Disable operation succeeded!" is displayed, the Syslog function is disabled.

2. Set the system log server IP address and log level parameters, and click **Save**. After "Save operation succeeded!" is displayed, the setting is complete. The device sends logs to the corresponding server.

A maximum of five system log servers can be configured.

Display System Log

Figure 61 shows the **Display System Log** page.

Figure 61 Display System Log

(Export Log
ging: enabled ogging: level debugging, 32512 messages logg iogging: disabled gging: level debugging, 32512 messages logge formatfalse p debug messages: datetime p log messages: disable log messages: disable g messages: disable g messages: disable g messages: disable ing: level informational, 32185 message lines li (Total 131072 Bytes): have written 131072, Ove 2156: %LINE-ROTO-5-UPDOWN: Line protoco 2156: %LINE-S-CHANGED: Interface GigabitEt 2156: %LINK-5-CHANGED: Interface GigabitEt 2150: %LINK-5-CHANGED: Interface GigabitEt 2200: %CLT-S-EXEC_CMD: Configured from cor 2200: %CLT-S-EXEC_CMD: Configured from cor 2200: %LINK-3-UPDOWN: Interface GigabitEth 2200: %LINK-3-UPDOWN: Interface GigabitEth 2200: %LINK-S-EXEC_CMD: Configured from cor	ed bgged,0 fail erwritten 87826 I on Interface GigabitEthernet 0/50, changed sole command: shutdown hernet 0/50, changed state to administrativel I on Interface GigabitEthernet 0/50, changed sole command: no shutdown ermet 0/50, changed state to up. I on Interface GigabitEthernet 0/50, changed sole command: shutfown	state to up. y down. state to down. state to up.	
21:50: %LINEFROTO-5-UPDOWN: Line protocol 21:56: %LI-S-EXEC_CMD: Configured from cor 21:56: %LINK-5-CHANGED: Interface GigabitElt 21:56: %LINK-8-UPDOWN: Line protocol 22:00: %CL-5-EXEC_CMD: Configured from cor 22:02: %LINK-3-UPDOWN: Line protocol 22:02: %LINK-3-UPDOWN: Line protocol 22:06: %CL1-5-EXEC_CMD: Configured from cor	I on interface Gigabittimerret U/SO, changed sole command: shutdown ernet 0/50, changed state to administrativel I on Interface Gigabittithernet 0/50, changed sole command: no shutdown ernet 0/50, changed state to up. I on Interface Gigabittithernet 0/50, changed sole command: shutdown	state to up. y down. state to down. state to up.	

The text box displays current log information. You can click **Export Log** to export log information and click **Refresh** to refresh the log information.

1.3.9.5 Time & NTP

The Time & NTP page consists of two parts: System Time and NTP Settings.

System Time

Figure 62 shows the **System Time** page.

Figure 62 System Time

System Time:	2018-06-20 16:18:12
Reset Time:	Manual Setting Select date
	Automatically synchronize with an Internet time server (Please make sure that you have configured the correct DNS Server).
Time Zone:	UTC+8 (Beijing, CCT)
	Sava

The **System Time** page displays the current system time. You can manually set the system time.

Alternatively, you can select Automatically synchronize with an Internet time server and set Time Zone to set the time.

Select either mode and click **Save**. After "Save operation succeeded!" is displayed, the configuration is complete.

Click Configure DNS Server on the Tip page to switch to the DNS configuration page.

Figure 63 Tip

Tip

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Save operation succeeded! To synchronize the time, please configure the DNS server.

Configure DNS Server

NTP Settings

Figure 64 shows the **NTP Settings** page.

Figure 64 NTP Settings

Note: NTP is a networking protoco Tips: 1. If you want to enable NTP 2. If the encrypted time sync	of for clock synchronization b on server, please enable it pronization is enabled on se	etween computer systems. on device first and set a password. rver, please enable NTP on device first and set a password for it		
NTP Authentication Settin	ng			
NTP Authentication:				
Key ID / Key String:	1	/ 1	 (Key ID Range: 1-4294967295; Key String Range: 1-31 Bytes) 	
	2	/ 3	1	
		+ Add More		
	save			
NTP Server List				
NTP Server List Add Delete NTP S	erver Address	Specified Src Interface	Key ID	Action
NTP Server List Add Delete NTP S time	erver Address	Specified Src Interface	Key ID	Action
NTP Server List Add Delete NTP S time On the server	erver Address google.com ocol.ntp.org	Specified Src Interface 	Key ID 	Action <i>L</i> Ш <i>L</i> Ш

Adding NTP Authentication Entries

Enable the NTP Authentication function, specify **Key ID/Key String**, and click **Save**. After "Save operation succeeded!" is displayed, the specified **Key ID/Key String** is displayed in the **Key ID/Key String** area.

• Editing NTP Authentication Entries

Click Add More to add new NTP authentication configurations or directly modify existing configurations. After you edit the information, click **Save**. After "Save operation succeeded!" is displayed, the editing operation is successful.

Deleting NTP Authentication Entries

Select the delete icon behind **Key ID/Key String**, and click **Save**. After "Save operation succeeded!" is displayed, the deletion is successful. The deleted NTP authentication configuration is no longer displayed in the list.

Adding NTP Servers

Click Add. The Add NTP Server page is displayed. Specify NTP Server Address and Key ID (existed), and click Save. After "Add operation succeeded!" is displayed, the added NTP server is displayed in NTP Server List.

Figure 65 Add NTP Server

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Add NTP Server

NTP Server Address:	* IP example: 192.168.1.1. Domain name example: www.ruijienetworks.com
Key ID:	
Specified Src Interface:	 None VLAN
	Save Cancel

Editing NTP Servers

Click the edit icon of an NTP server in the Action column of NTP Server List. The NTP server information is displayed. After you edit the information, click Save. After "Edit operation succeeded!" is displayed, the editing operation is complete.

• Deleting NTP Servers

1. Select multiple records in NTP Server List and click Delete to batch delete the data records.

2. Click the delete icon of an NTP server in the **Action** column of **NTP Server List**. In the displayed deletion confirmation dialog box, click **OK**. After "Delete operation succeeded!" is displayed, the deletion is complete. The deleted NTP server is no longer displayed in **NTP Server List**.

1.3.9.6 System Restart

Figure 66 Restart

Restart	
Note: Click	'Restart' to restart the device. The page will be refreshed after restart. Please wait
	Restart

Click **Restart**. A restart confirmation dialog box is displayed. After you click **OK**, the device restarts. The restart process takes a few minutes. Please wait. The login page will be displayed after the device is restarted.

1.3.9.7 Restore to Default

- 1. Click Export Current Configuration in Note to export current configurations.
- 2. Click Restore to Default to clear the configurations and restore the factory settings.

Figure 67 shows the **Restore to Default** page.

Figure 67 Restore to Default

Restore to Default	
Note: After the device is reset to	he factory default settings, all configurations will be removed. Please Export Current Configuration before resetting the device.
Res	ore to Default

1.3.9.8 Backup

- Backup
- 1. Click **Export** to export the current configurations.
- 2. Click **Refresh** to refresh the current configurations.

Figure 68 shows the **Backup** page.

Figure 68 Backup

Current Configuration	Export	Refresh
Building configuration Current configuration: 3226 bytes version 51930J_RGOS 11.4(1)870P10, Release(07233016)		
hostname switch !		
mac-address-table aging-time 10 ip dhcp snooping ip ttl 19		
! cwmp acs url http://devicereg.ruijienetworks.com/service/tr069servlet cne inform interval 30		
install 0 XS-S1930J-48GT4SFP 1		
ip host cloudtest-eu.ruijienetworks.com 35.221.107.197 !		
enable service web-server http enable service web-server https webmaster level 0 username admin password 7 111323081b44		

Restore

After the configurations are imported, the device needs to be restarted for the configurations to take effect.

Click **file** and select the **config.txt** file. Click **Import** to import the configurations. After a restart confirmation dialog box is displayed, click **OK** to restart the device. After the device is restarted, the login page will be displayed.

Figure 69 shows the **Restore** page.

Figure 69 Restore

Note: Please do not close o	or update the page during import. If you w	vant to apply the new configurat	ion, please restart the device o	on this page. Otherwi	se, the configuration wil	I not take effect.	
	File Name:			file Imp	ort		

1.3.9.9 System Upgrade

There are two ways to upgrade: main program upgrade and Web package online upgrade.

Figure 70 shows the **System Upgrade** page.

Figure 70 System Upgrade

System Upgrade		
Makes Piteren and the second state	nding software version from the official website and th	then upgrade the device with the following tips.
Tips: 1. Make sure that the software	e version (main program or Web package) matches the o	device model. the device until an ungrade succeeded message is displayed
Tips: 1. Make sure that the software 2. The page may have no resp	version (main program or Veb package) matches the sonse during upgrade. Please do not power off or restar	device model. rt the device until an upgrade succeeded message is displayed.

1. Main program upgrade

Click **file**, select a locally saved bin file, and click **Upgrade** to upgrade the main program. After the main program is successfully upgraded, the login page is displayed.

Figure 71 Successful Main Program Upgrade

Main program upgrade succeeded.
ОК

2. Web package online upgrade

Click **file**, select a locally saved UPD file, and click **Upgrade** to upgrade the web package. After the web package is successfully upgraded, refresh the page for the new eWeb system to take effect.

Figure 72 Successful Web Package Upgrade

System Upgrade			
Note: Please download the c Tips: 1. Make sure that the s	orresponding software version from the official website , ar software version (main program or Web package) matches I	d then upgrade the device with the following tips. he device model.	
2. The page may have	no response during upgrade. Please do not power off or re	start the device until an upgrade succeeded message is dis	played.
	File Name:	file Upgrade	Cancel
		•	

1.3.10 Web CLI

Web CLI provides a method to execute CLI command s through Web. It simulates the console terminal.

Figure 73 Web CLI



1 The Web CLI displays only CLI commands and the command outputs.