FIBERROAD

Web-based Network Management User Manual



About This Manual

Introduction

This document chapter includes an introduction to the Fiberroad Managed Media Converter family,

Conventions

This document contains notices, figures, screen captures, and certain text conventions.

Figures and Screen Captures

This document provides figures and screen captures as an example. These examples contain sample data. This data may vary from the actual data on an installed system.

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Units of Measurement

Units of measurement in this publication conform to SI standards and practices.

Jan 01, 2022

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Revision History

Version	Date	Author	Reasons of Change	Section(s) Affected
1.0	2022/1/16		Initial Release	All



Chapter 1 System Configurations

This chapter describes the port configuration in detail, including but not limit to the following:

- System Information
- IP Setting
- User Account
- Port Setting

1. About Web-GUI Management

There is an embedded HTML web site residing in flash memory on CPU board of the switch, which offers advanced management features and allows users to manage the switch from anywhere on the network through a standard browser such as Mozilla Firefox or Chrome. (Note: Window IE is not supported) The Web-Based Management supports Mozilla Firefox 54.X or later, or Chrome 59.X or later. The Web browser is a program that can read hypertext.

1.1 Preparing for Web Management

Before using the web management, install the Managed Media Converter or Managed Fiber Switch on the network and make sure that any one of the PCs on the network can connect with the Managed Media Converter or Managed Fiber Switch through the web browser.

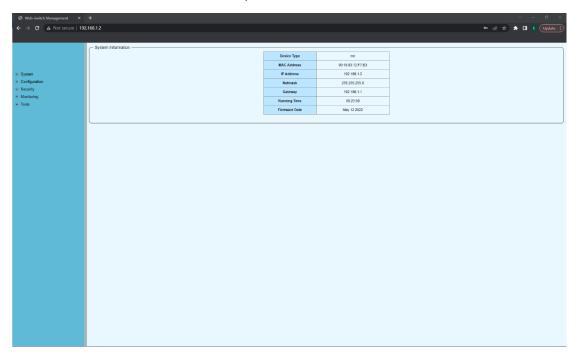
The managed media converter default value of IP, subnet mask, username and password are listed as below:

IP Address: 192.168.1.2
HTTP service: Enable
User Name: admin
Password: admin

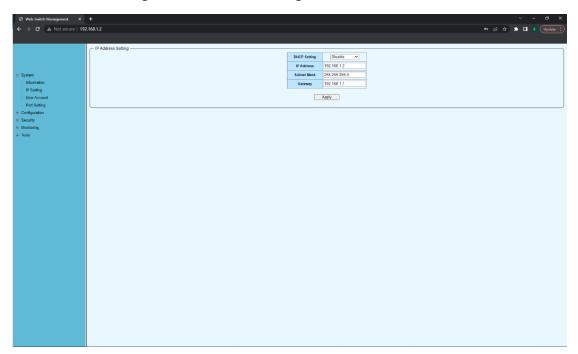
1.2 System

1.2.1 System Information

Overview the device information and port status.



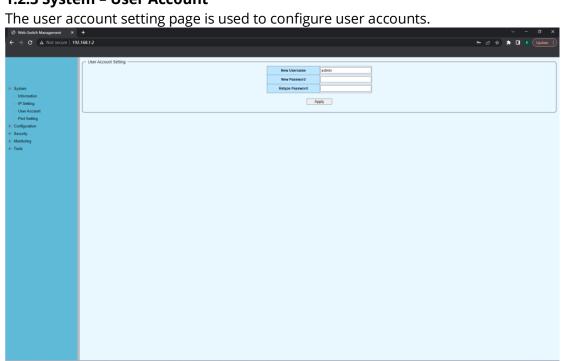
1.2.2 System-IP SettingThe IP address setting surface is used to configure IP.



Item	Description	Notes
DHCP	Enable/Disable	When enabled, enable the DHC client to obtain the dynamic IP address.
		When disabled, use the

configured sta address.		configured static IP address.
IP Address	Default:192.168.1.2	Static IP Address
Subnet Mask	Default:255.255.255.0	Static IP subnet mask
Gateway	Default:192.168.1.1	Gateway Adress

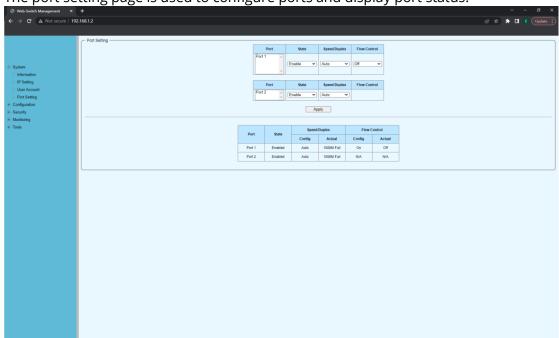
1.2.3 System – User Account

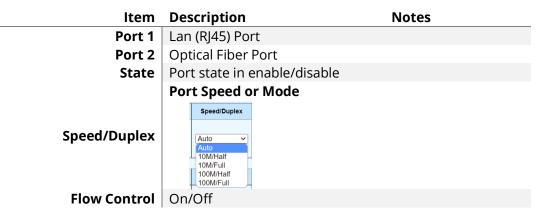


Item	Description	Notes
New user name	Add a new user name	
New Password	Add a new user name	
Retype Password	Confirm the password of the	
	new user	

1.2.4 System-Port Setting

The port setting page is used to configure ports and display port status.







Chapter 2 Network Configurations

This chapter describes the port configuration in detail, including but not limit to the following:

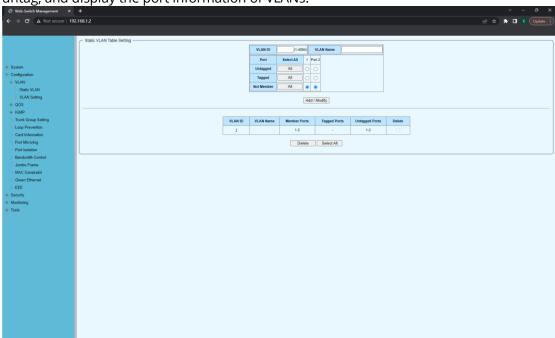
- VLAN
- QoS
- EEE
- Security

2. Configuration

2.1 Configuration-VLAN

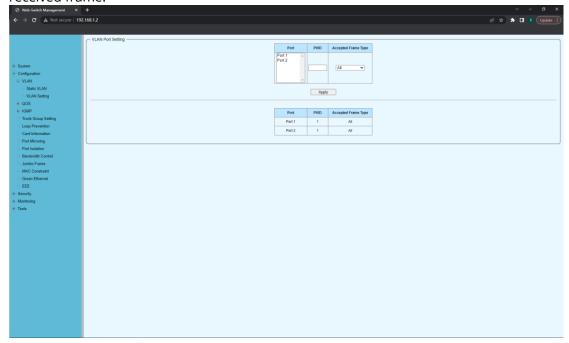
2.1.1 Configuyration-VLAN-Static VLAN

The static VLAN table setting page is used to add or delete VLANs in the form of tag or untag, and display the port information of VLANs.



2.1.2 Configuration-VLAN-VLAN Setting

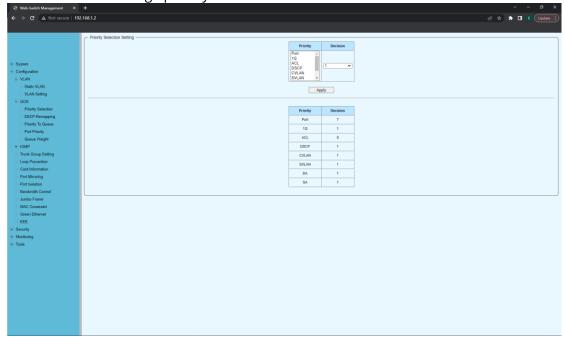
The VLAN side setting page is used to configure the PVID of the port and the type of received frame.



2.2 Configuration-QoS

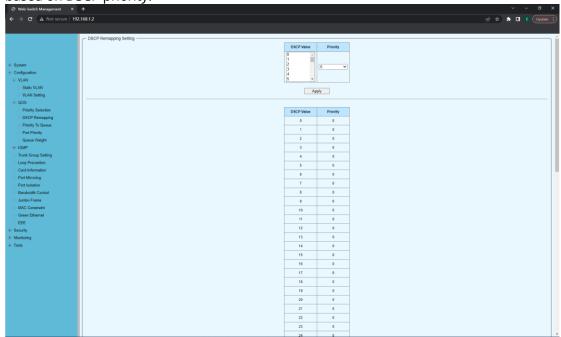
2.2.1 Configutation-QoS-Priority Selection

The priority selection setting page is used to configure the priority source weight. When the received packet is paired with multiple sources, the source with the highest weight will be selected to assign priority.



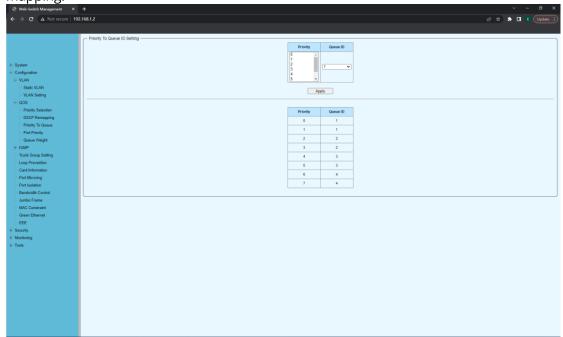
2.2.2 Configutation-QoS-DSCP Remapping

The DSCP remapping settings page is used to configure the internal priority mapping based on DSCP priority.



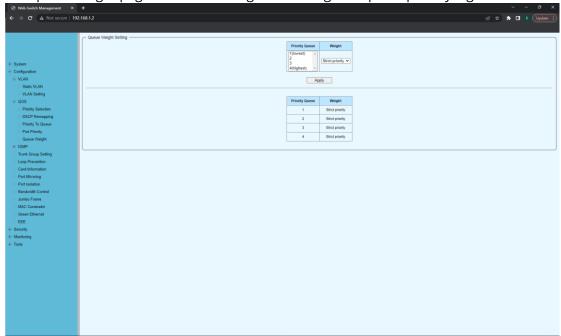
2.2.3 Configuration-QoS-Priority To Queue

The priority queue ID setting page is used to configure the internal priority to queue mapping.



2.2.4 Configuration-QoS-Queue Weight

The queue weight page is used to configure the weight of queue priority algorithm.

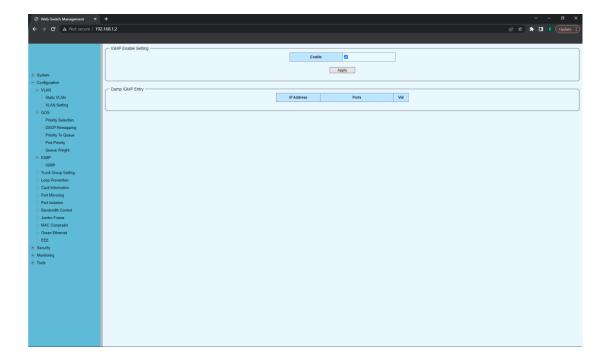


2.3 IGMP

2.3.1 IGMP-IGMP

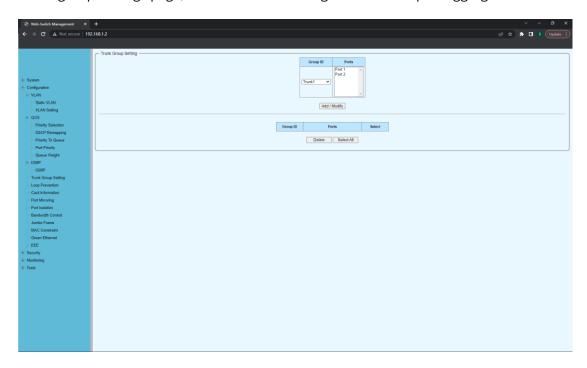
IGMP page, used to configure IGMP enabled or disabled and display IGMP list items After checking enable, the group broadcast text learned through IGMP protocol is allowed to pass.

The display information includes the IP address, port and VLAN ID learned through IGMP.



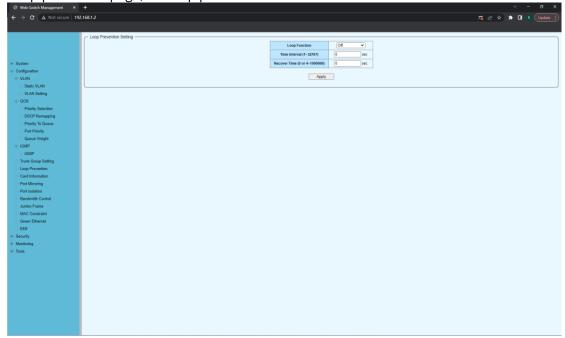
2.4 Trunk Group Setting

Trunk group settings page, which is used to configure and show port aggregation.



2.5 Loop Prevention

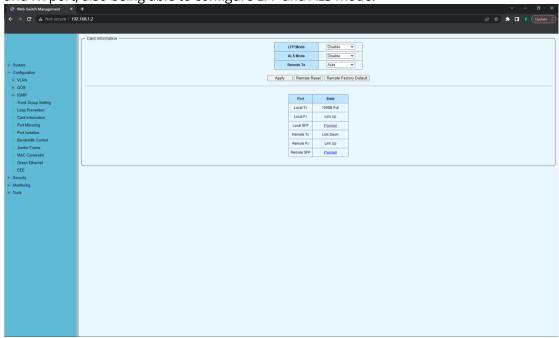
Loop protection page, for loop protection function.



Item	Description	Notes
Loop Function	Off	Default: Off
	Loop Prevention	
	Loop Detection	
Time Interval	1~32767 sec	
Reconver Time	0 or 4~1000000 sec	

2.6 Card Information

Card Information page to show the local and remote card and port state, including Tx and Fx port, also being able to configure LFP and ALS mode.



Item	Description	Notes
LFP Mode	Disable/Enable	Default: Disable
ALS Mode	Disable/Enable	Default: Disable
Remote Tx	Remote Tx Auto	
	Apply Remote Reset 10M/Half 10M/Full Defa 100M/Half 100M/Full	

Click the Local SFP "Plugged" to check the SFP State

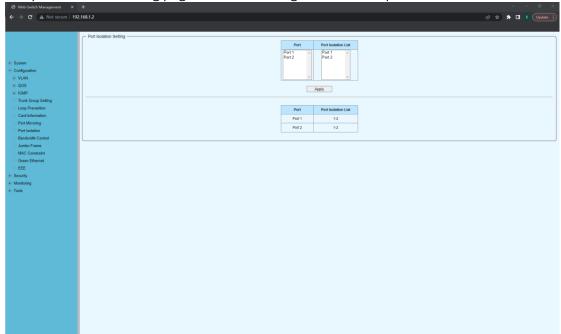


Click the Remote SFP "Plugged" to check the SFP State



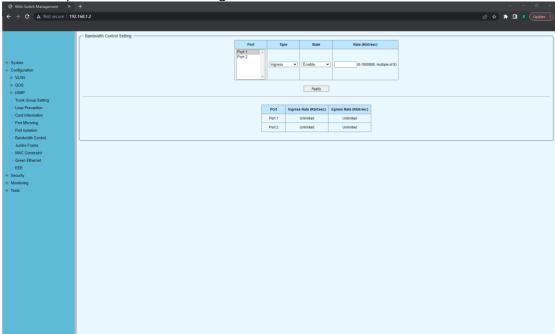
2.7 Port Isolation

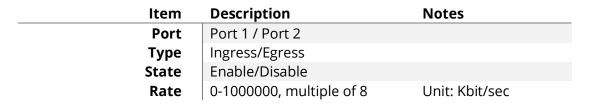
The port isolation setting page is used to configure and show port isolation.



2.8 Bandwidth Control

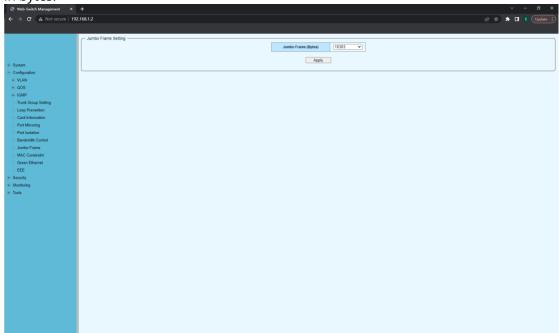
The bandwidth control setting page is used to configure the message bandwidth in and out of the port, also show the configuration information.

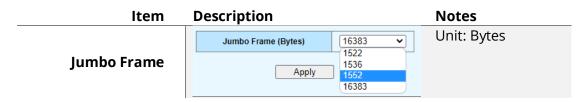




2.9 Jumbo Frame

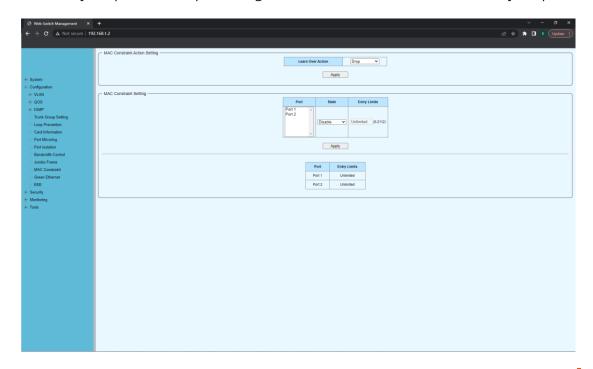
Giant frame setting page, which is used to configure the maximum frame length allowed, in bytes.





2.10 MAC Constraint

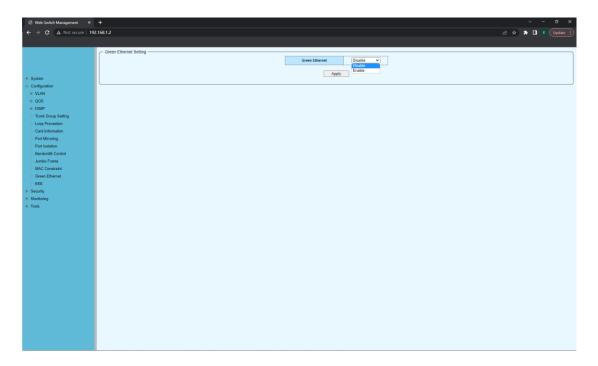
The MAC constraint behavior page is used to configure the number of MAC allowed to be learned by the port and the processing behavior of the MAC address learned by the port.



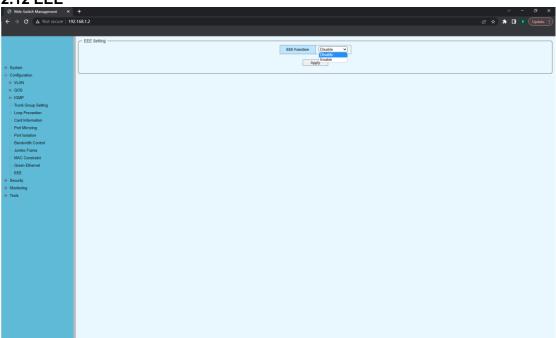
ltem	Description	Notes	
Learn Over Action	Drop/Flooding	Unit: Bytes	
MAC Constraint Setting			
Entry Limits	0-2112		

2.11 Green Ethernet

The green Ethernet setting page is used to enable or disable the green Ethernet function. Reduce energy consumption by setting green Ethernet function. When the Green function is enabled, the system will automatically detect the cable length and select different power modes to obtain the best performance and minimum power consumption. If the connection is disconnected, the port will enter the power saving mode within 0 seconds.

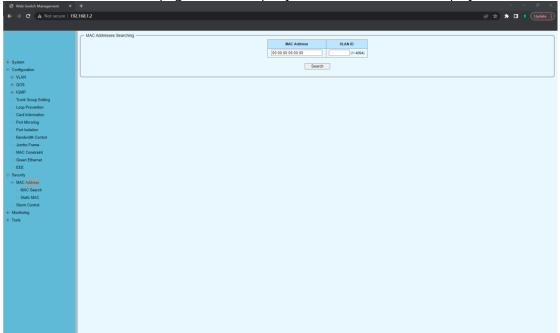


2.12 EEE



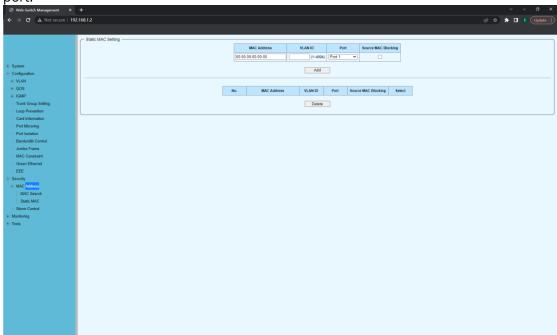
2.13 Security-MAC Address-MAC Search

The MAC address search page is used to query the MAC address and display the VLAN ID.



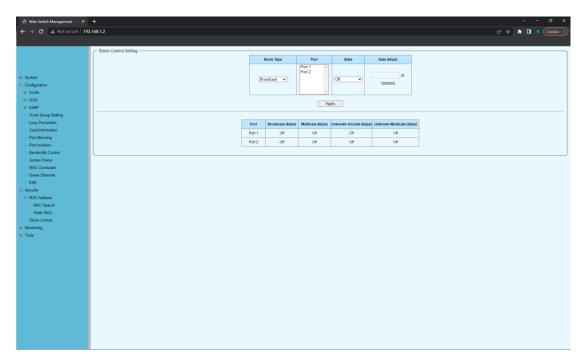
2.14 Security-MAC Address-Static MAC

The static MAC page is used to add, display and delete the static MAC address of the port.



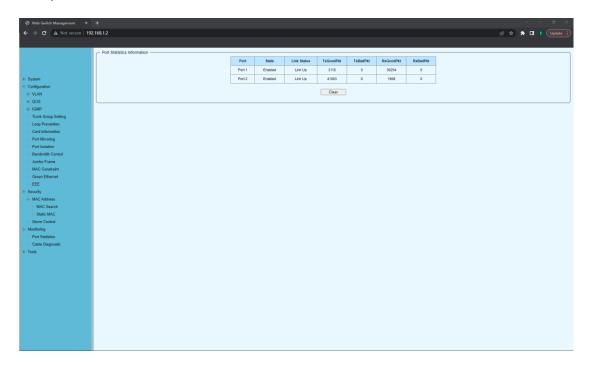
2.15 Security- Storm Control

The storm suppression page is used to suppress the flood message.



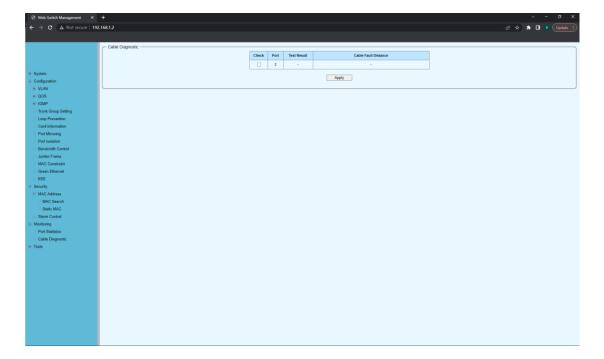
2.16 Mirroring – Port Statistics

The display letter includes the status of the port, the connection status, the correct data packet sent, the wrong data packet sent, the correct data packet received and the wrong data packet received.



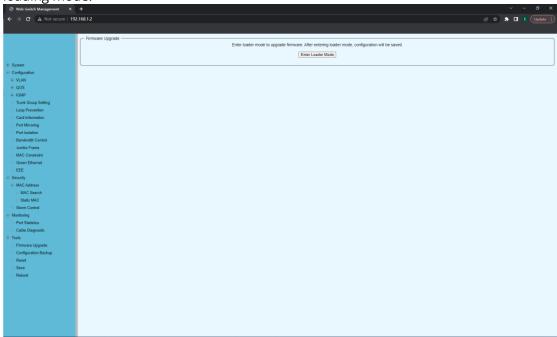
2.17 Cable Diagnostic

The cable diagnosis page is used to diagnose whether the network line is normal.



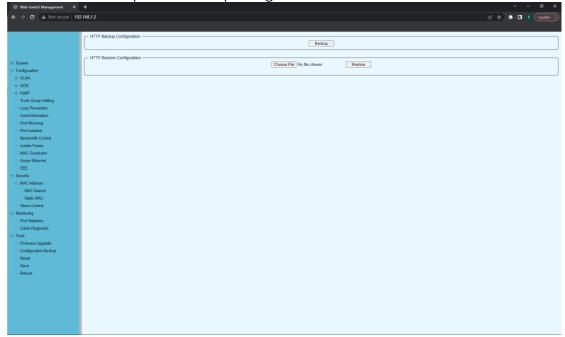
2.18 Tools - Firmware Upgrade

The firmware upgrade page is used to enter the loading mode and upgrade in the loading mode.



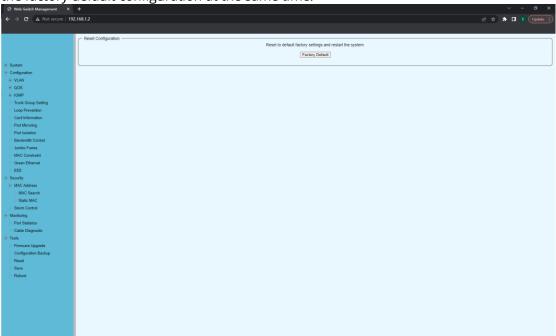
2.19 Tools - Configuration Backup

The configuration backup page is used for configuration import and export. Click the Backup button to export the configuration to PC backup. Click the select File button to restore the configuration, select the configuration of PC backup, and then click the restore button to import the backup configuration into the device.



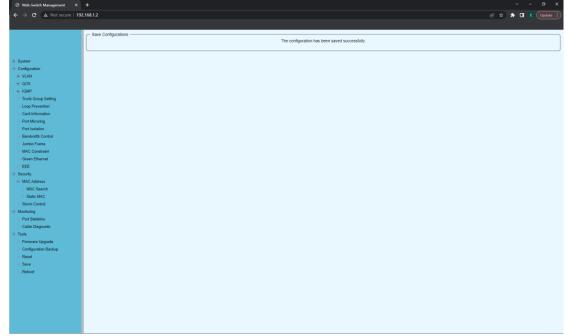
2.20 Tools - Reset

The restore configuration page is used to restore the factory settings. Enter the reset page and click the restore factory default button. The system will restart and restore to the factory default configuration at the same time.

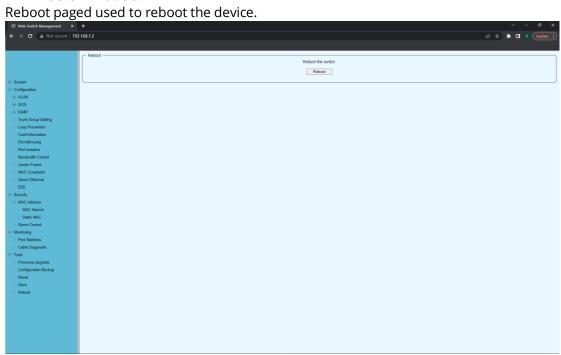


2.21 Tools - Save

The save page is used to save the configuration. After clicking the save page, the system configuration will be saved immediately, and the configuration saving page will show that the configuration has been saved successfully.



2.22 Tools – Reboot



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