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Preface

Version Description

Manual version: V1

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Disclaimer

This manual is made according to currently available information and subject to change without further notice. Whilst every effort has been made to ensure the accuracy and reliability of the contents contained herein, the Company cannot be held liable for any harm or damage resulting from any omissions, inaccuracies or errors contained in the manual.

Brief

This manual for how to install, use the S1024V Two-Layer switches are discussed, including S1024V L2 switch features and performance, hardware, installation and connections.

Audience

This manual is intended for use as:

➢ Telecommunications engineering technicians

➢ Telecommunications sector equipment maintenance personnel

➢ Project Deployment Person

➢ Staffs who interested in the product

Before installing the equipment, be sure to carefully read this manual to avoid misuse and damage to the equipment.

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Environmental Protection

This product meets the design requirements on environmental protection, product storage, use and disposal should be in accordance with relevant national laws and regulations require.

Remind

Thank you for using our products!

➢ For the first time you use our equipment, be sure to read before all the information.

➢ Highly welcome your comments and suggestions for our work, we will forward your views as the greatest support for our company.

⚠	S1024V Two-layer switch includes precision devices. In order to avoid serious impact damage, Please keep out excessive vibration and impact.
	S1024V switch containing electrostatic sensitive devices. Do not disassemble or repair. If you need to disassemble or repair the device, it must under the guidance of technical staff agreed and operate in accordance with anti-static procedures.
	In case of questions please contact our company. Do not to disassemble, otherwise it may cause irreversible damage and will consider it is Waiver of warranty rights.

Safety principles for Use

Before the installation and use of this product, please read the following manual. Wuhan Fiberhome Networks Co., Ltd. will not responsible for any losses caused by any breach of security matters.

Chapter 1 S1024V Two-Layer Switch Introduction

1.1 Brief

S1024V is 24 ports 10M/100M Two-Layer Ethernet Switch. S1024V Switch supports 10/100Mbps self-adaptive, full/half duplex self-adaptive and Auto MDI/MDIX Automatic polarity reversal. S1024V also has VLAN Function.

1.2 Product Packing List

S1024V Package should be included:

- 1 S1024V Two-Layer Switch
- 1 Power Cable
- 1 User Manual (or Disc)
- 1Warranty Card
- 1 Certificate

If any parts damaged or shortage, please contact the local dealer.

Chapter 2 Device Specification

2.1 S1024V Two-Layer Switch Front Panel

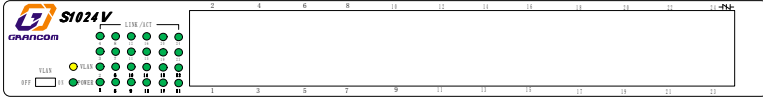Figure 2-1 S1024V Front Panel

2.2 S1024V Front Panel Specification

Support a key VLAN isolation, when this feature is turned, the 1-7 channel can be associated from each other and can communicate with channel 8.a

If the Switch is powered up, switch VLAN DIP from OFF to ON, the yellow VLAN LED indicator will light. The Setting will be activated only after the device power off and reboot once.

1. If the Switch is power off, switch VLAN DIP from OFF to ON, then power the device up. The VLAN configure will be activated after the system is initrialized.

There are Power, Ethernet Speed and status LED indicators on the front panel. The description has shown on the following table.

Table 2-1 S1024V Two-Layer Switch

LED	Panel	Status	Specification
Power LED	POWER	on	Power on
		off	Power off
VLAN LED	VLAN	on	VLAN ON
		off	VLAN OFF
Status LED	LINK/ACT	on	Ethernet Connected
		off	Ethernet Disconnected
		flash	Transmisstion Data

Chapter 3 Product Technical Features

3.1　Technical Features

1) S1024V VLAN：

◆　Comply with the IEEE802.3 standard

◆　Support 10/100M, Full/Half Self-adaptive

◆　Support Auto MDI/MDIX Function

◆　Supports full-duplex and half duplex back pressure flow control IEEE802.3x flow control

◆　LINK/ACT LED indicator for all ports

◆　Uplinks lightning protection design

◆　VLAN Support

◆　Port Configurable

3.2　Product Parameters

1) Device Parameters

Table 3-1 Device Parameters

MAC Address	8K
Package forwarding rate	3.57Mbps
Support the maximum frame size	1552Bytes
Max. Power	＜10W

2) Interface

Table 3-2 Interface Paremeters

Interface	RJ45
Standard	IEEE802.3
Speed rate	10/100M self-adaptive
Lightning Protection	＜4000KV(2ohm)

3) Power and Ground

Table 3-3 Power&Ground

Power Type	S1024V: 220V AC/48 DC
Ground Type	S1024V shell and power supply ground
Lighting Protection	<4000KV(2ohm)

4) Enviroment Parameters

Table 3-4 Enviroment Parameters

Operating Temp.	0℃～+40℃
Storage Temp.	-10℃～+70℃
Relative Humidity	10%～90%

5) Structure

Table3-5 Structure

Size	S1024V: 265mm×162mm×45mm
Weight	S1024V:1.5 Kg（AC220V） 1.3 Kg（DC48V）

6)VLAN Divide instructions

Table 3-6 VLAN Division Table

VLAN	Ethernet Channel
1	Channel 1, Channel 24
2	Channel 2, Channel 24
3	Channel 3, Channel 24
4	Channel 4, Channel 24
5	Channel 5, Channel 24
6	Channel 6, Channel 24
7	Channel 7, Channel 24
8	Channel 8, Channel 24
9	Channel 9, Channel 24
10	Channel 10, Channel 24
11	Channel 11, Channel 24
12	Channel 12, Channel 24
13	Channel 13, Channel 24
14	Channel 14, Channel 24
15	Channel 15, Channel 24
16	Channel 16, Channel 24
17	Channel 17, Channel 24
18	Channel 18, Channel 24
19	Channel 19, Channel 24
20	Channel 20, Channel 24
21	Channel 21, Channel 24
22	Channel 22, Channel 24
23	Channel 23, Channel 24

Chapter 4 Installation

4.1 Fix Method

S1024V Two-Layer Switch can put on the desk directly, or hang on the wall by the two fix holes (121mm between holes).

4.2 Intall Steps

(1) Power on

(2) Connect the Ethernet Cable to the device

(3) Users can switch VLAN DIP to decide whether using the VLAN feature

(4) Installation Completed

4.3 Pattern matching

For your hubs, switches and other Ethernet connected devices to play to their maximum effectiveness in the use of these devices, please note that to ensure the interconnection between the ports is pattern matching. If the setting is not correct, not only the device can not work at full capacity, and may even cause the connection failure.

Chapter 5 Trouble Shooting

After S1024V Two-Layer Switch Powered up and well connected, check the device whether working well. If its not, please see the following trouble shooting.

(1) No Power Indication

Check the power cable is well connected, or the power source wheter meet the requirement of the device.

(2) Ethernet LINK/ACT LED off

Check the Ethernet cable whether be connected well or not. Check your Ethernet Device operating, Check the cable is made right.

(3) LED Indicator is normal, but canot PING succefully

Please check whether the Ethernet device is working well.

Check the devices are configed correctly.

Check the S1024V is turn on VLAN to meet the network demands.

(4) Ping succefully, but too much losing packet.

Please check the patern of the switch port fits the otherside devices port.

If you encounter problems during use, please try the above recommended methods to be checked. If still unresolved, please contact the manufacturer.

Wuhan Fiberhome Networks Co., Ltd. reserves the right to product upgrades, the right to change. Above subject changing is without notice.