

简易用户手册

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1.1系统登陆

交换机采用 web 视图方式进行管理,交换机的缺省 IP 是 192.168.255.1。在登陆之前, 请确保管理 PC 的 IP 地址与交换机 IP 地址在同一网段内,否则无法访问交换机管理 IP 地 址。设置好后,在浏览器中输入 192.168.255.1,即可访问交换机的配置页面。

USER LOG IN									
Site:	192.168.255.226								
ID:									
Password:									
	ОК								

上图是交换机登陆页面,系统缺省的密码是 admin (注意大小写),系统仅允许单一管 理员登陆,当管理员登陆时,来自其他的登陆请求会被拒绝。当管理员退出登陆后,来自 其他 IP 的用户可以登陆配置设备。

如果出现管理 IP 地址冲突,则表明上次管理时没有正常退出,设备里仍然保存着上一管理员信息。此时可以选择重新启动设备或者静止等待 180s 后再登陆。

建议管理员第一次登陆后即修改交换机 IP 地址和密码,交换机不要和 DHCP 服务器或 者网关设备分配在同个网段



1.2系统配置

* Administrator	System Status						
 Authentication Configuration 							
 System IP 							
Configuration	MAC Address	00:e0:53:16:4a:81					
Load default setting	Number of Ports	24+2					
Firmware Update Datest Dates	Comment	switch MAX:15					
 Port Management 	System Version	20140612_IP1826D_v109.02					
VLAN Setting		Idle Time: (1~30 Minutes)					
Per Port Counter		O Anto Lacontel Defente					
QoS Setting							
Security		⊖ Back to the last display.					
Spanning Tree		Indata					
Trunking	upate						

图为交换机系统名称配置界面。该页面用来配置交换机系统名称的,如客户设置交换 机名称为"Switch001"后点击"Update"以完成对名称的修改;

1.3IP 配置

⅔ Administrator	System IP Con	figuration	
Authentication Configuration			
 System IP Configuration 	Setting	Value	
 System Status Load default setting 	IP Address	192 168 255 226	
 Firmware Update 	Subnet H ask	255 255 255 0	
 Reboot Device Port Management 	Gateway	192 . 168 . 255 . 254	
VLAN Setting	IP Configure	⊙ Static ○ DHCP	
Per Port Counter		Update	
QoS Setting	<u>I</u>		

图为交换机系统 IP 地址配置界面。该页面用来配置设备管理接口"Interface Vlan 1"的 IP 地址,初始情况下设备的 IP 地址、掩码、网关几项会显示在页面表单中。修改表单内容后,点击"Update"以完成对地址的修改;

当客户选择 DHCP 客户端打后,将会自动获取 IP,进入 WEB 将会使用自动获取后的 IP 。更改 IP 后将用更改后的 IP 进入 WEB 页面。

注意**:**

请不要随意修改交换机子网掩码等信息,如修改不当,会出现无法登陆交换机的情况



1.4用户配置

Administrator Administrator Administrator	Authentication Configuration							
System IP Configuration	Setting	Value						
 System Status 	Username	admin max:15						
Load default setting Firmware Update Reboot Device	Password Confirm	••••• max:15						
 Port Management VLAN Setting 		Update						
Per Port Counter	Note:	Note:						
 QoS Setting Security 	Username & Password can	only use "a-z","A-Z","0-9","_","+","-","=".						

图为交换机系统账号配置界面。此页面可修改设备登录密码,请牢记新密码,防止 密码丢失登录设备失败。默认时用户名和密码是 admin 和 admin

1.5端口配置

V Administrator	Port	Confi	gurati	on										
Configuration														
 System IP Configuration 			Tx/Rx Ability		Auto-Neg	otiation	Speed	Duplex	Р	ause	Backpr	essure Addr	. Learning	1
 System Status 	Functi	on			*	🗸	· · · · · ·	V			~	~		
 Load default setting Firmware Update Reboot Device 	Select Port N	elect 01 02 03 04 06 07 08 09 10 11 12 13 art No. 14 15 16 17 18 19 20 21 22 23 24 25 26 4 14 15 16 17 18 19 20 21 22 23 24 25 26 <												
Port Management Update]				
Port Configuration														1
 Port Mirroring Bandwidth Control 			Curr	ent Status	;	Setting Status							1	
 Broadcast Storm Control 	Port	Link	Speed Duplex FlowCtrl		Tx/Rx Abili	ty	Auto-Nego	Speed	Duplex	Pause	Backpressure	Addr. Learning		
VLAN Setting	1					ON		AUTTO	1001	FIII	ON	ON	OFF	1
Per Port Counter	-					011		1010	100%	TOLL				-
QoS Setting	2					ON		AUTO	100M	FULL	ON	ON	OFF	
Security	3					ON		AUTO	100M	FULL	ON	ON	OFF	
Spanning Tree	4					ON		AUTO	100M	FULL	ON	ON	OFF	1

图为交换机端口配置界面。在页面中,"Select Port No."选择用户需要配置的端口。 "Function"处可以配置端口状态有【进出流量使能】、【端口自适应使能】、【端口速率】、 【端口双工模式】、【端口阻塞使能】、【流控开关使能】、【端口学习 MAC 使能】。

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1.6链路聚合

 Administrator Port Management 	Trunking				
 VLAH Setting Per Port Counter QoS Setting Security Spanning Tree Trunking Link Aggregation 	System Prior	rity 1 Algorithm Submit	(1~65535) MAC SredDet		
BackupRecovery		Link Group 1	Link Group 2	Link Group 3	
 Miscellaneous 		P1 P2 P3 P4	P5 P6 P7 P8	P25 P26	
SNMP Settings	Tember				
> Logout					
	State	Disable 🗸	Disable 🛩	Disable 🛩	
	Туре	LACP 🗸	LACP 🗸	LACP 🗸	
	Operation Key	1 (1~65535)	2 (1~65535)	3 (1~65535)	
	Time Out	Short Time Out 🛩	Short Time Out 🗸	Short Time Out 💌	
	Activity	Passive 💙	Passive 🛩	Passive 🖌	
	Note: If you enable LAC transmit packet to/rece	P on some specified ports ive packet from the link ;	and their link partners a artner.	re normal port without LA(- CP, these specified ports cannot

交换机最多支持 3 组汇聚,而且 1-4 端口必须在同一汇聚组里面,5-8 端口必须在同一 汇聚组,25-26 端口必须在同一汇聚组里面。页面中【Type】表示交换机有两种汇聚模式 LACP(动态)和 Static(静态)。页面中【Link Aggregatioon Algorithm】表示交换机汇聚 负载分担模式 MAC Source(原 MAC)和 MAC Src&Dst(原和目的 MAC)。

如果某些端口已开启 LACP 动态汇聚协议,则无法手工配置静态汇聚。

请注意:

同一端口静态汇聚不能与动态 LACP 汇聚同时配置

1.7静态 MAC 表配置

 Administrator Port Management 	MAC Address Bind	ng								
VLAN Setting										
Per Port Counter	Port No.			MAC Address						
QoS Setting										
MAC Address Binding TORSUDE City	1									
 Spanning Tree 			Select Port 01 v Binding Disable v Update							
 Trunking DHCP Relay Agent 	Note: If you enable the MAC	address binding fu	nction, the address lea	ning function will be disabl	ed automatically.					
Backup/Recovery	Port No.	Bind	ing Status	Port No.	Binding Status					
Miscellaneous	1	Γ)isable	14	Disable					
 Second second sec	2	I	lisable	15	Disable					
- cogout	3	E)isable	16	Disable					
	4	Γ)isable	17	Disable					

图为手动添加静态 MAC 配置界面。进入此页面用户可以按照"MAC Address"框里 填下需要绑定的 MAC,另选择好端口"Selete Port"。

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1.8 Vlan 配置

> Administrator	VLAN Member Setting (Tag Based)										
VLAN Setting VLAN Member VLAN Member Multi to 1 Setting Nulti to 1 Setting Nulti to 1 Setting	VID: (1~4094) Add Add: Enter a VID, select the VLAN member for t Del: Select a VID in the table and then press Update:Modify the existing VID entry, select VI	his entry a this button D and then ;	nd then p to remov press the	4 ress thi e a VID button.	Delete s button entry fr	Updat to add a om the tak	e VLAN entry ble.	to the t	able.		
Setting Per Port Counter	VLAN Member Port			01	02	03	04	05	06	07	08
 QoS Setting Security 	VLAN Member Port		09	10	11	12	13	✓ 14	15	16	
 Spanning Tree 	select		✓								
 Trunking DHCP Relay Agent 	VLAN Member Port		17	18	19	20	21	22	23	24	
 Backup/Recovery Miscellaneous 	VLAN Member Port			25	26	-	-	-	-	-	-
SNMP Settings	select			✓		-	-	-	-	-	-
Logout	Note: If you do not select any port, this VID will be treated as a VID embedded in a 802.10 tag.										
	VID Source port 01				03	04	05	06		07	08
	select										
	VID Source port	09	10		11	12	13	14		15	16
	select										
	VID Source port	17	18		19	20	21	22		23	24

图为交换机端口 Vlan 配置界面,在页面中,左上角是新增 Vlan 标号, Vlan Member Port 是选择 Vlan 的成员端口。点击"Add"添加 Vlan 成功。右上角是修改端口的 PVID 号, 在"VID Source Port"选择好对应的端口,点击"Update"就完成端口 PVID 的修改。

 Administrator Port Management 	VLAN M	ode											
VLAN Setting													
 VLAN mode VLAN Member 	VLAN Mode	Tag Based VLAN Change VLAN mode											
Multi to 1 Setting Non-Association Port Setting Per Port Counter		Port 01 ○AddTag ⊙don't care ○RemoveTag	Port 02 ○AddTag ⊙don't care ○RemoveTag	Port 03 ○AddTag ⊙don't care ○RemoveTag	Port 04 ○AddTag ⊙don't care ○RemoveTag	Port 05 ○AddTag ⊙don't care ○RemoveTag	Port 06 ○AddTag ⊙don't care ○RemoveTag	Port 07 ○AddTag ⊙don't care ○RemoveTag	Port 08 O AddTag @ don't care O RemoveTag				
QoS Setting Security Spanning Tree Topology		Port 09 ○AddTag ⊙don't care ○RemoveTag	Port 10 ○AddTag ⊙don't care ○RemoveTag	Port 11 ○AddTag ⊙don't care ○RemoveTag	Port 12 ○AddTag ⊙don't care ○RemoveTag	Port 13 ○AddTag ⊙don't care ○RemoveTag	Port 14 ○AddTag ⊙don't care ○RemoveTag	Port 15 ○AddTag ⊙don't care ○RemoveTag	Port 16 OAddTag @don't care ORemoveTag				
DHCP Relay Agent Backup/Recovery Miscellaneous	Tag Mode	Port 17 ○AddTag ⊙don't care ○RemoveTag	Port 18 ○AddTag ⊙don't care ○RemoveTag	Port 19 ○AddTag ⊙don't care ○RemoveTag	Port 20 ○AddTag ⊙don't care ○RemoveTag	Port 21 ○AddTag ⊙don't care ○RemoveTag	Port 22 ○AddTag ⊙don't care ○RemoveTag	Port 23 ○AddTag ⊙don't care ○RemoveTag	Port 24 ○AddTag ⊛don't care ○RemoveTag				
 SNMP Settings Logout 		Port 25 ○AddTag ⊙don't care ○RemoveTag	Port 26 ○AddTag ⊙don't care ○RemoveTag		1	1	1	1					
	Update												
	Note: If t	he link partne	r is a network	interface car	d, it probably	cannot recogn	ize the VLAN t	ag.					

In this case, it is strongly recommended the network administrator to remove the VLAN tag of the corresponding port.

图为交换机端口 Vlan 标签配置界面,在页面中,选择端口的 Tag Based VLAN。三个 选项"AddTag"数据经过此端口时带上 PVID Tag。"don't care" 数据经过此端口时不做 任何操作。"RemoveTag" 数据经过此端口时带上去除 PVID Tag。



1.9端口镜像

 Administrator Port Management 	Port Mirroring													
Port Configuration Port Introning Bandwidth Control Broadcast Storm Control	Dest Port	1 14	2 □ 15 □	3 16 	4 ♥ 17 ♥	5 18	6 19	7 20	8 21	9 22	10 23	11 24	12 25 □	13 26
 Per Port Counter 	Monitored Packets	tored Tx & Rx v												
 QoS Setting Security 	Source	1	2	3	4	5	6	7	8	9	10	11	12	13
 Spanning Tree Trunking 	Port	14	15	16	17	18	19	20	21	22	23	24	25	26
 DHCP Relay Agent Backup/Recovery 	Update													
Miscellaneous	Multi to Multi Sniffer	Multi to Multi Sniffer function												
 SNMP Settings Logout 														

图为交换机端口镜像配置界面。在页面中,端口镜像功能,将某些端口的业务或者控制报文流量完整地映射到指定的端口,该指定的端口为"Source Port",被映射的端口为 "Dest Port"。在镜像端口连接网络分析仪器,可以清楚的分析镜像源端口的报文而不破 坏镜像源端口的正常业务,端口镜像是一种方便的在线监控功能。系统的所有端口都可以 配置为镜像源端口,但镜像端口只能配置一个。当某个端口被配置镜像端口时,其相应的 端口则不能配置为源端口。镜像的数据传输方式可以选 Rx、Tx 和 Rx&Tx。

1.10 设备启动

Reboot Device:
Click "Confirm" to Reboot the Device Confirm

图为交换机热重启控制界面。在页面中,当修改系统 MAC 地址等需要重启的设置后, 建议重新启动设备来使设置生效。

1.11 默认出厂设置



图为交换机恢复出厂设置界面。在页面中,可以将系统恢复到出厂设置,包括各项配置以及 IP 地址和管理员密码均会回到初始化设置。



1.12 固件升级

* Administrator	Firmware Update		
Authentication Configuration System IP Configuration	Please input the password to continue the Firmware Update process.		
System Status Load default setting Firmware Update Reboot Device	Password ReConfirm Update		
 Port Management VLAN Setting 	Notice: After clicking the "UPDATE" button, IF the firmware update webpage is not redirected correctly or is shown as "Webpage not found". Please connect to http://192.168.255.226		
Per Port Counter QoS Setting Security			

输入正确的用户名,点击"Update"交换机将擦除,内部 Flash 的版本信息,出现下 面的页面,http://192.168.255.226(是当前的 IP 地址)

Erase Flash (128/512) If this webpage doesn't refresh smoothly, please connect to <u>http://192.168.255.226</u> to continue.

等待一段时间将出现另一个升级界面,选择"浏览"来选择交换机的版本,点击UPDATE

	F/W	
Select the image file:		浏览 UPDATE]
http://192.168.255.226		