8-Port 10/100Base Fast Ethernet Web-Smart PoE Ethernet Switch

User's Manual

<Note> The ITE is to be connected only to PoE networks without routing to the outside plant.

Web Smart Switch Configure

Please follow the steps to configure this Web Smart switch.

Step 1: Use a twisted pair cable to connect this switch to your PC.

Step 2: Set your PC's IP to 192.168.2.xx.

🕹 Local Area Connection 2 Properties 🛛 🔹 💽
General Authentication Advanced
Connect using:
III Management Adapter
This connection uses the following items:
Install Uninstall Properties
Description Transmission Control Protocol/Internet Protocol. The default wide area network protocol that provides communication across diverse interconnected networks.
Show icon in notification area when connected ✓ Notify me when this connection has limited or no connectivity
OK Cancel

Internet Protocol (TCP/IP) Proper	ties 🛛 🛛 🔀
General	
You can get IP settings assigned autorr this capability. Otherwise, you need to a the appropriate IP settings.	
O Obtain an IP address automatically	,
Ouse the following IP address:	
IP address:	192.168.2.30
S <u>u</u> bnet mask:	255.255.255.0
Default gateway:	· · ·
○ O <u>b</u> tain DNS server address autom	atically
O Use the following DNS server add O Use the following DNS server add	/esses:
Preferred DNS server:	
Alternate DNS server:	· · ·
	Ad <u>v</u> anced
	OK Cancel

Step 3: Open the web browser (like IE...), and go to 192.168.2.1 Then you will see the login screen.

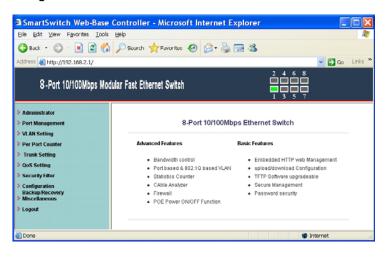
SmartSwitch Web-Base Controller - N	Nicrosoft Internet Explorer	
Eile Edit View Favorites Tools Help		<i>#</i>
😋 Back 🔹 🙄 · 💌 🗟 🏠 🔎 Search 👷	avorites 🚱 🍰 🍓 🔜 🚳	
Address a http://192.168.2.1/		🖌 🔁 Go 🛛 Links 🎽
	USER LOG IN Site: 192.168.2.1	
	ID: admin Password:	
	OK	
a) Done		🔮 Internet

ID and the password: admin

Step 4: After the authentication procedure, the home page shows up. Select one of the configurations by

clicking the icon.

- Administrator
- Port Management
- VLAN Setting
- Per Port Counter
- Trunk Setting
- QoS Setting
- Security Filter
- Configuration Backup/Recovery
- Miscellaneous
- Logout



Administrator: Authentication Configuration

SmartSwitch Web-Base	e Controller - Microsoft I s Help	nternet Explorer	
	🏠 🔎 Search 👷 Favorites	🖉 - 😓 🖂 🎕	✓ 🛃 Go Links *
	odular Fast Ethernet Switch	$\begin{array}{c} 2 & 4 & 6 & 8 \\ \hline 1 & 1 & 1 & 1 \\ \hline 1 & 3 & 5 & 7 \end{array}$	
Administrator Authentication Configuration	Authentication Co	onfiguration	
 System IP Configuration 	Setting	Value	
 System Status Load default setting Firmware Update 	Username Password	admin max 15 Characters	
Reboot Device Port Management	Confirm Password		
VLAN Setting	Note:	Update	
 Per Port Counter Trunk Setting 		rd only can use "a-z","A-Z","0-9"	
 QoS Setting Security Filter 			
 Configuration Backup/Recovery Miscellaneous 			
> Logout			
📄 http://192.168.2.1/setPASS.htm		🔮 In	ternet ,

- Change the user name and the password.
 Click "Update" to confirm the new change.
- 3. Turn off the power and reset this switch.
- 4. After resetting, turn on the switch for the new change.

Now, you can use the new user name and the password.

Administrator: System IP Configuration

SmartSwitch Web-Base	e Controller - Microsoft Ir	iternet Explorer
Eile Edit View Favorites Tool	з Неф	AT
🌀 Back 🔹 🐑 🕐 📓 🔮 🦿	🏠 🔎 Search 🤺 Favorites	🖉 - 😓 🖼 🍇
Address 🗃 http://192.168.2.1/		🛩 🔂 Go 🛛 Links 🎽
8-Port 10/100Mbps Mo	odular Fast Ethernet Switch	2 4 6 8 2 4 6 8 1 3 5 7
Administrator Authentication	System IP Config	uration
Configuration System IP Configuration	Setting	Value
 System Status Load default setting Firmware Update 	IP Address Subnet Mask	192, 160, 2, 1 255, 255, 255, 0
Reboot Device Port Management	Gateway	192 . 160 . 2 . 254
VLAN Setting Per Port Counter	IP Configure	Static ○ DHCP
 Per Port Counter Trunk Setting 		Update
P QoS Setting		
Security Filter		
 Configuration Backup/Recovery Miscellaneous 		
> Logout		
📄 http://192.168.2.1/set@P.htm		🔮 Internet

- 1. Change the IP address: type the new IP address or select DHCP IP configuration.
- 2. Click "Update" to confirm the new change. "Setting Process OK!!" will be shown on the screen.
- 3. Turn off the power and reset this switch.
- 4. After resetting, turn on the switch for the new change.

Now, the setting of "System IP Configuration" is finished.

Administrator: System Status

SmartSwitch Web-Base		nternet Explorer		
Eile Edit Yiew Favorites Iools				48
😋 Back 🔹 🔘 🔹 🛃 🐔	Dearch 🎌 Favorites 🛃	🔊 - 🗇 🖾 🧶		
Address 🚵 http://192.168.2.1/			2468	🕑 🔂 Go 🛛 Links 🎽
8-Port 10/100Mbps Mod	ular Fast Ethernet Switch			
Administrator Authentication Configuration	System Status			
 System IP Configuration 	MAC Address	00:e0:b3:00:64:35		
 <u>System Status</u> Load default setting 	Number of Ports	8		
 Firmware Update Reboot Device 	Comment	Switch8/PoE8	Update	
> Port Management	System Version	IP210SDK2_L2.21_I	P1717 v1.2.4	
VLAN Setting Per Port Counter	Note: Comment name only ca	n use "a-z","A-Z","_","+".	"-","=","0-9"	
http://192.160.2.1/Status.htm			🗳 Ir	itemet

MAC address and system version will be shown on the screen.

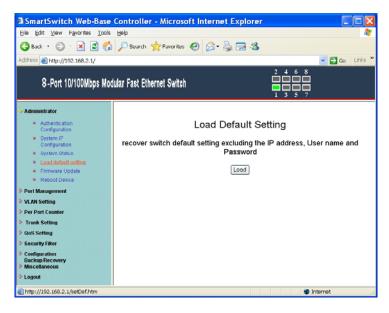
1. Change the new comment of this switch by typing the new comment.

6

2. Click "Update" to confirm the new change.

Now, the setting of "System Status" is finished.

Administrator: Load Default Setting



- 1. Click "Load" to back to the factory default setting.
- 2. Turn off the power and reset this switch.
- 3. After resetting, turn on the switch for the new change.

7

Now, the default is loaded.

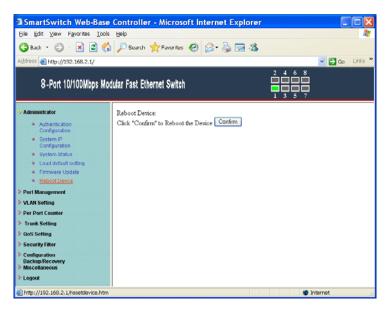
Administrator: Firmware Update

SmartSwitch Web-Base	Controller - Microsoft Internet Explorer	X
Eile Edit Yiew Favorites Iools	Нер	.
🌀 Back 🔸 🐑 🐇 📓 🐔	🔎 Search 👷 Favorites 🚱 - 🍓 🖼 🥸	
Address 截 http://192.168.2.1/	🕑 🔁 Go 🛛 Link	cs **
8-Port 10/100Mbps Mod	tular Fast Ethernet Switch	
≫ Administrator	Firmware Update	
Authentication Configuration System IP	Please input the password to continue the Firmware Update process.	
System IP Configuration System Status	Password	
 Load default setting Firmware Update 	ReConfirm	
Reboot Device	Notice	1
Port Management	After clicking the "UPDATE" button, IF the firmware update webpage is not redirected	
VLAN Setting	correctly or is shown as "Webpage not found". Please connect to http://192.168.2.1	
Per Port Counter	1 0.00 COLLECT 10 10 172. 100 C. 1	
Trunk Setting		
QoS Setting		
Security Filter		
 Configuration Backup/Recovery Miscellaneous 		
> Logout		
http://192.168.2.1/firmwareUpdate.	htm 🔮 Internet	

Follow the instruction on the screen to update the new firmware.

Please contact with your sales agents to get the latest firmware information.

Administrator: Reboot Device



1. Click "Confirm" to reboot the device.

Now, the setting of "Reboot Device" is finished.

Port Management: Port Configuration

ddress 👸 http://192.168.2.1/					D. 3	23					💌 🛃 G	io Links
8-Part 10/100Mbps M	odular Fast E	thern	et Switc	h								
Administrator • Port Management	Por	t C	onfig	jurati	ion							
 Port Configuration Port Mirroring 			Auto	S	peed 1	Duplex I	ause	Backp	ressure	Tx Capability	Addr. L	earning
Bandwidth Control	Funct	tion	-	v -			~	-	~		-	~
Broadcast Storm Control POE	Selec Port J		(01	02 🗆	03 🗋 04		05 🗖	06 🗆	07 🗖 0	8 🗆	_
VLAN Setting						[U	odate					_
Per Port Counter												
Trunk Setting												
QoS Setting			Curr	rent Statu	13				Setting 3	Status		
Configuration Backup/Recovery	Port	Link	Speed	Duplex	FlowCtrl	Auto-Nego	Speed	Duplex	Pause	Backpressure	Тя Сар	Addr. Learning
Miscellaneous Logout	1	٠	100M	Full	٥ff	Auto	100M	full	٥n	0B	on	on
Lollow	2					Auto	100M	full	on	on	on	on
	3					Auto	100M	full	on	on	on	on
	4					Auto	100M	full	on	on	on	on
	5					Auto	100M	full	on	on	on	on
	6					Auto	100M	full	on	on	on	on
	7					Auto	100M	full	on	on	on	on
	8					Auto	100M	6.II	on		-	

Select the "Port No." - configure the mode below:

- 1. "Auto": enable/disable Auto-Negotiation function of the port.
- 2. "Speed": select the 10M or 100M mode of the port.
- 3. "Duplex": select the port is full or half-duplex mode.
- 4. "Pause": enable/disable the port.
- 5. "Backpressure": enable/disable the backpressure of the port.
- 6. "Tx Capability": enable/disable TX capability of the port.
- 7. "Addr. Learning": enable/disable this function of the port.

Port Management: Port Mirroring

🕝 Back 🔹 🐑 · 💌 😰 🦿	🏠 🔎 Search 🤺 Favorites 🚱	3• 👙 🖬 (8					- E	Go Link
	xdular Fast Ethernet Switch			2 4 6	8 7				
Administrator 9 Port Management	Port Mirroring								
Port Configuration Port Mirroring Bandwidth Control	Dest Port	1	2	3	4	5	6	7	8
 Broadcast Storm Control 	Monitored Packets	Disa	ble 💌						
POE VLAN Setting	Source Port	1	2	3	4	5	6	7	8
Per Port Counter			Upd	late					
Trunk Setting	Multi to Multi Sniffer function								
Security Filter									
Configuration Backup/Recovery Miscellaneous									
Logout									

Port Mirroring is used to mirror traffic, RX, TX or TX&RX, from Source port to Destination port for analysis.

- 1. Select the Destination port: you can choose port 1 to port 8.
- 2. Select the Source port: by clicking the checking box of the port.
- 3. Click "Update" to save the setting.

Now, the setting of "Port Mirroring" is finished.

Port Management: Bandwidth Control

Ble Edit ⊻iew Favorites Iools He	lp .											
🄇 Back + 🐑 - 💌 😰 🐔 🌶	Search	📌 Favorites 🤞	3 🗟 • 🕹 🗖	18								
ddress) http://192.168.2.1/							v 🗗	Go Link				
8-Port 10/100Mbps Modular	r Fast Et	hernet Switch										
Administrator Port Management	Ban	Bandwidth Control										
 Port Configuration Port Mirroring 		Port No	Tx R	ate			Rx Rate					
Bandwidth Control Broadcast Storm		01 💌	0~255 (0:full spe	ed)		0~255 (0:full speed)					
Control POE VLAN Setting	Sr	Low V Low 32kbps Speed Base High 512kbps										
Per Port Counter		 When link speed is 10M. The Rate value is 1~19. When link speed is 100M. The Rate value is 1~195. 										
OoS Setting		а	I ports use the sam									
Security Filter			Upd	ate	Load	Default						
Configuration Backup:Recovery Miscellaneous		link speed of sel < speed as your	ected port is lower setting rate.	than the	rate th	at you setting, this	system will use th	ie value				
Logout												
	Port No	Tx Rate(Kbps)	Rx Rate(Kbps)	Link Speed	Port No	Tx Rate(Kbps)	Rx Rate(Kbps)	Link Speed				
	1	Full Speed	Full Speed	100M	5	Full Speed	Full Speed					
	2	Full Speed	Full Speed		6	Full Speed	Full Speed					
	3	Full Speed	Full Speed		7	Full Speed	Full Speed					
	4	Full Speed	Full Speed		8	Full Speed	Full Speed					

- Select the "Port No.": you can choose port 1 to port 8.
- 2. "Tx Rate": set the different transmission rate of this selected port and choose the speed from 0~255 based on two speed levels.
- 3. "Rx Rate": set the different receiving rate of this selected port and choose the speed from 0~255 based on two speed levels.
- 4. Click "Update" to confirm the setting.

Now, the setting of "Bandwidth Control" is finished.

Port Management: Broadcast Storm Control

SmartSwitch Web-Base		ft Internet	Explor	er					
🔇 Back + 🔘 · 💌 🖻 🐔		@ 🍰 - 🍓	. 🖂 4	\$					
Agidress 👜 http://192.168.2.1/								~ 6	Go Links *
8-Port 10/100Mbps Mod	ular Fast Ethernet Switch								
> Administrator 	Broadcast St	orm Cor	trol						
Port Configuration Port Mirroring Bandwidth Control	Threshold					3 1~63			
 Broadcast Storm Control 	Enable Port	1	2	3	4	5	6	7	8
POE VLAN Setting				Update					
VLAN Setting Per Port Counter Trunk Setting	This value indicates time unit. One time u								one
> QoS Setting									
Security Filter Configuration Backup/Recovery Miscellaneous									
> Logoul									
http://192.160.2.1/Broadcast.htm								🔮 Internet	

- 1. Set the threshold of per port to define the status of broadcast packets.
 Click "Update" to confirm the setting.
 Now, the setting of "Broadcast Storm Control" is

finished.

Port Management: PoE

Back - 📀 - 🖹 🗟 🎸		ites 🚱	ا 😓 - 😂	24						
darees) http://192.168.2.1/ 8-Port 10/100Mbps Mo	dular Fast Ethernet Sw	itch			$\begin{array}{c} 2 & 4 & 6 \\ \hline \hline$			<u> </u>	Go Link	
• Administrator • Port Management • Port Configuration	POE Conf	igurati	on							
Port Mirroring Bandwidth Control Broadcast Storm Control	Port Enable	01	02	03	04 V	05	06	07	08 V	
POE VLAN Setting Per Port Counter	PSE Current Minimun Output Power	No Load	No Load	No Load	No Load	No Load	No Load	No Load	No Load	
Trunk Setting QoS Setting	POE Class									
Security Filter Configuration Backup/Recovery Miscellaneous Logout	Enable Power	Update: Update the power control function. Enable F: Power On Enable F: Power Off								

Remote access and monitor the attached PD (Powered Device) status by using Enable/Disable function.

- 1. "Enable": POE of the port is able to supply power to the attached PD (Powered Device).
- 2. "PSE Current & Minimum Output Power": The status of the port current and minimum output power.
- 3. "POE class": each POE port will detect the class of the attached PD (Powered Device).
- 4. Click "Update" to confirm and finish the setting.

VLAN Setting: VLAN Mode (Port Based VLAN)

SmartSwitch Web-Base (Controller - Microsoft Internet Explorer	
Eile Edit View Favorites Tools	Pelp	2
🔇 Back + 🐑 - 💌 🖻 🐔	🔎 Search 📩 Favorites 🤣 🍰 🤯 😹	
Address () http://192.168.2.1/		🛩 🛃 Go 🛛 Links 🍟
8-Port 10/100Mbps Modu	Iar Fast Ethernet Switch	
Administrator Port Management VLAN Setting	VLAN Mode	
VLAN Mode VLAN Member Multi to 2 Setting	VLAN Fort Based VLAN Change VLAN mode	
Per Port Counter		
Trunk Setting		
 QoS Setting Security Filter 		
 Configuration Backup/Recovery Miscellaneous 		
> Logout		
http://192.168.2.1/VLANMODE.htm		Internet

There are two VLAN modes: Port Based VLAN and Tagged VLAN.

1. Click "Change VLAN mode" to select the mode. Now, the setting of "VLAN Mode" is finished.

VLAN Setting: VLAN Member (Port Based VLAN)

3 Back + 🐑 · 🖹 🗟 🐔	Search	es 🙆	Q- 5		38					
ddress http://192.168.2.1/	A		0	St Lvad					~	🗲 Go Link
8-Port 10/100Mbps Modu	lar Fast Ethernet Swit	ch								
Administrator	VLAN Membe	r Setti	na (Por	t Base	d)					
Port Management										
VLAN Setting VLAN Mode	Port					01	Read			
<u>VLAN Member</u>	Dest PORT		01	02	03	04	05	06	07	08
 Multi to 2 Setting 	select									
Per Port Counter Trunk Setting				Up	date Lo	adDefaul	t l			
QoS Setting										
Security Filter										
Configuration Backup/Recovery					VLAN ME	EMBER				
Miscellaneous Logout	Port	1	2	3	4		5	6	7	8
	1	v	v		· v	,	v	v	v	v
	2	v	v	v	, v	,	v	v	v	v
	3	v	v		· v	,	v	v	v	v
	4	v	v				v	v	v	v
	5	v	v	v	v	,	v	v	v	v
	6	v	v	v	v	,	v	v	v	v
	7	v	v	v	, v	,	v	v	v	v
	8	v	v	v	, v	,	v	v	v	v
	Port	1	2	3	4		5	6	7	8
					VLAN ME	EMBER				-

You can select a port group.

- 1. Click the port numbers: which you want to put them into the selected VLAN group.
- 2. Click "Update" to confirm and finish the setting.
- 3. Click "LoadDefualt" to back to the original factory setting.

Now, the setting of "VLAN Member" is finished.

VLAN Setting: VLAN Mode (Tag Based VLAN)

3 tack • 🔘 📄 🖻		Favorites	0 0.00	B-35					-	
8-Port 10/100Mbp	10000 E	hernet Switch			ļ				💌 🔂 😡 Uri	
Administrator Port Marsagement VLAN Setting		lode								
 VLAN Setting VLAN Matter VLAN Matter 	VLAN Tag Barrd VLAN Change VLAN mode									
Mult to 2 Cetting Per Part Counter Trank Setting	Tag Mode	Port 01 O AddTag @ don't care O Remove Tag	Port 02 O AddTag @ don't care O RemoveTag	Port 03 O AddTag @ don't care O RemoveTag	Port 04 O AddTag O don't care O Remove Tag	Port 05 O AddTag @ don't care O RemoveTag	Port 06 O AddTag @ don't care O RemoveTag	Port 07 O AddTag O don't care O RemoveTag	Port 08 O AddTag O don't care O RemoveTag	
GoS Setting Security litter					Update					
Configuration Backup-Facovery Miscellaneous Logent			work interface c			for VLAN tag. • the VLAN tag	of the cerrespon	line pert.		

There are two VLAN modes: Port Based VLAN and Tagged VLAN.

- 1. Click "Change VLAN mode" to select the mode.
- 2. Choose "AddTag", "don't care", or "RemoveTag" for each port.

Now, the setting of "VLAN Mode" is finished.

VLAN Setting: VLAN Member (Tag Based VLAN)

12 mp://192.168-2.1/					-							👻 🚺 Ga	1
8-Port 10/100Mbps	Modular Fast Ethernet Sw	tch											
Administrator Part Management	VLAN Member Se	tting (Tag	Based)										
A AN Setting	VLAN No					01 💌 V	D	(1-4094	Rend				_
 MAXIMETRIC 	Dest PORT	6 ()	01	02	0	13	04	05		06	07	08	
Hulk to 2 Selling Her Part Counter	select		8	Ø	6	2	8	8		R	R	R	
Trank Setting	PVID index					PVID	ndez val	ie is 0-19					
loS Setting iecusity/itter	Port/ PVID Index	01	02	03		04	0		06		07	08	
ackup Recovery Incellaneous ogent					VLA	N MEMBE	k						
	VLAN	No	VID		1	2	3	4	5	6	7	8	
	I		1		v	v	v	v	v	v		v	-
	2		2		v	v		Ŧ	v	*			-
	3		3		v	v		Ŧ	*	v	Ψ.	v	
	4		4			v	*	*		v			
	5		5		Ψ	v	4	Ŧ	¥.	π	Α.	7	
	6		6		v	v	v	v	v	v	v	v	
	7		7		٧	v	۷	Ŧ	۷	٧	4	۷	
	8		8		v	v	۷	Ŧ	٧	v	4	Ψ.	
	9		9		¥	v	٧	¥.	¥	¥	-	*	
			10		*				W.	Ŧ		W	
	10		11				*	*	*	*		*	

You can select a port group.

- 1. Click the port numbers: which you want to put them into the selected VLAN group.
- 2. Input PVID Index for each port.
- 3. Click "Update" to confirm and finish the setting.
- 4. Click "LoadDefualt" to back to the original factory setting.

Now, the setting of "VLAN Member" is finished.

VLAN Setting: Multi to 2 Setting

1 10 http://192.168.2.1/								-	G0
8-Port 10/100Mbps	Modular Fast Ethernet Switch			ļ					
inestrator Marsagement N Setting	Multi to 2 Setting								
VLAN Mode	Destination PortNo			2	Home VLA	1 1: 01 💌			
Hutta 2 Deltas	A COMMON E CONTO				Home VLA	N 2 01 💌			
Port Counter A Setting	Current Setting				Port				
Setting	Durable	01	02	03	04	05	06	07	08
arity filler Ignaration	Port		0 1		Upp	inte		75 00	
apflecovry ellaneous sit	1.A example for Multi-to-2 structure								

This is a special design for easily setting the switch VLAN into "VLAN Per Port".

1. Choose "Destination Port No".

2. Choose "Disable Port".

3. Click "Update" to confirm and finish the setting.

After this setting, all ports can only connect to the destination port.

Per Port Counter: Port Counter

C tack + (2) - (2)	🖹 🐔 🔎 Search 👷 Favorites 🧑 🔗	- 2 m 3	
ddress () http://192.168.2	the second s		💌 🛃 Go Uri
68	lops Modular Fast Ethernet Switch		
Administrator Port Management VLAN Setting	Counter Category		
Per Port Counter	Cour	ster Mode Selection Receive Packet & Transmit	Packet 🛩
· First Courter	Port	Receive Packet [Fransmit Packet
Trunk Setting	01	13998	8591
QoS Setting	02	0	0
Security Filter	03	0	0
Backup Recovery Miscellaneous	04	0	0
Logout	05	0	0
	06	0	0
	07	0	0
	08	0	0
		Refresh Clear	

You can read the transmitting and receiving packet of the connecting port. Click "Refresh" or "Clear" the data.

Trunk Setting

3 Back • 🕥 - 💌	🖹 🐔 🔎 Search 👷 Favorites 😧 🙆 - 🎍 🛛	343				
Address 🔊 http://192.168.2	2.1/					🖸 Go LH
8-Part 10/1001	Ibps Modular Fast Ethernet Switch					
Administrator Port Management VLAN Setting	Trunk Configuration					
Per Port Counter Trunk Setting	Trunk Hash Algorithm Selection	OPor	DOS	ODA	DSA&DA	
Cos Setting	Trunk0	Port1	Port2	Port3	Port4	
Configuration Backup Recovery Miscellaneous	Trunk1	Port5	Port6	Port7		
E Logost	There i					
		Update				
	1. Selecting one port for a trunk will treated as a voi 2. Don't connect both trunks channels to a single sw port of the switch.		nited traff	ic loop on	ce a broadcast packet is com	ing to any

There are two groups to choose and max. for each group is 4 ports.

Set up port trunk group mode as below:

- 1. "Port ID": you can select port number you want to include into the same group.
- 2. "SA": you can select Source Address of the port you want to include into the same group.
- 3. "DA": you can select Destination Address of the port you want to include into the same group.
- 4. "SA & DA": you can select both Source Address and Destination Address of the port you want to include into the same group.
- 5. Click "Update" to confirm and finish the setting.

QoS Setting: Priority Mode

SmartSwitch Web	Base Controll	er - Microsoft Internet Explorer	
Elle Edit View Favorites	Tools Rep		<u>a</u>
🔇 Back • 🔘 · 💌	🗈 🟠 🔎 Seard	👷 Favorites 🕢 😥 😓 🖼 😹	
Address) http://192.168.2.1	1		👻 🛃 Go Links **
8-Part 10/100Mb	ps Modular Fast E	hernet Switch	
 Administrator Port Management VLAN Setting 	Priority	Mode	
 Per Port Counter Trunk Setting QoS Setting 	Mode	© First-In-First-Service O All-High-before-Low O 4 Quoue WRR	
Ericitle Mode Class of Service Configuration	WRR	Q1 8 V Q2 8 V Q3 8 V Q4 8 V Update	
TCP/UDP Port Number QoB			
 Security Filter Configuration Backup/Recovery Miscellaneous 			
Logent			
http://192.168.2.1/QoSM.htm	m	10	Internet

There are three Priority Modes to select.

- 1. "First-In-First-Service": the first receiving packet will be firstly transmitted.
- 2. "All-High-before-Low": packets set in high priority mode will be firstly transmitted before packets set in low priority mode.
- 3. "4 Queue WRR": WRR (Weight-Round-Robin), you can set the ratio of the transmitting packet for the low priority to high priority.
- 4. Click "Update" to confirm and finish the setting.

QoS Setting: Class of Service Configuration

	Icols Help		-	100				
3 Back • 🜍 • 💌	🗟 🏠 🔎 Search 👷	Favoritas 🚱 🔂	• 🏐 🖾	1.25				
kårense 🔊 http://192.168.2.	1/			-			~	Go Li
8-Port 10/100Mb	ops Modular Fast Etherne	t Switch			$ \begin{array}{c} 2 \\ 4 \\ 6 \\ 7 \\ 7 \\ 7 \\ 1 \\ 3 \\ 5 \\ 7 \\ 7 \\ 7 \\ 7 \\ 7 \\ 7 \\ 7 \\ 7 \\ 7 \\ 7$			
Administrator	Class of Servic	e Configuratio	'n					
Port Management VLAN Setting								
Per Port Counter	R =Enable High F	Priority						
Trunk Setting OoS Setting	Port NolMode	Port Base	VLAN Tag	IP/DS	Port NoWode	Port Base	VLAN Tag	IP/DS
· Priority Mode	1	Low Priority 👻			5	Low Priority 💌		
Class of Revice Configuration	2	Law Priority 😽			6	Low Priority 👻		
TCPAUDP Port Number OoS	3	Law Priority 💌			7	Low Priority 💌		
Security Filter	4	Law Priority 💌			8	Low Priority 💌		
Configuration Backup Recovery				Up	date			
Miscellaneous Logeut	TCP/UDP > IP (2) TCP/UDP Cot (3) For 802.1p pn 6 and 7 are ma 0 and 3 are ma 1 and 2 are ma 1 and 2 are ma	DS/TOS > 802/1p S will override all o ionity field, the swit apped to the "high- pped to the "medi apped to the "medi apped to the "lowe	> Physic ther settin ch utilizes ist" priorit um high" p ium low" p st" priority	al port. gs. the followi y queue. priority que riority que y queue.	ue.			ority.

You can set QoS mode of per port by different bases.

- 1. "Port Base": you can select the port which you want to configure as high priority. It means the packet of the port will be firstly transmitted.
- 2. "VLAN Tag": you can select the port which you want to configure as packets. It means the packet with special Tag will be firstly transmitted.
- 3. "IP/DS": you can select the port which you want to configure as packets. It means the packets with special IP will be firstly transmitted.
- 4. Click "Update" to confirm and finish the setting.

QoS Setting: TCP/UDP Port Number QoS

Elle Edit View Favorites		licrosoft Internet Explo				
O Back + (C) - (R)	a 🐔 Dearch 🛷	Favorites 🙆 🍰 🖼 🤅	2			
darman an http://192.168.2.1			~		- 🗗 a	1.000
Grann 100 00 100 - 5.1	4		2468			
8-Part 10/100Mb	ips Modular Fast Etherne	t Switch		}		
Administrator	TCP/UDP Port	Number QoS				
Port Management						
VLAN Setting						
Per Port Counter	Protocol		Opt	on		20
Trunk Setting	FTP		Low	~		
QoS Setting	SSH		Low	-		
· Pronty Mode	TELNET		Low	2		
 Class of Service Configuration 	SMTP		Low	*		
* TOPUDP	DNS		Low	2		
Port Number Gall	TFTP		Low	2		
Security Filter	HTTP (80/8080)		Low	~		
Configuration	POP3		Low	*		-
Backup Recovery Miscellaneous	NEWS		Low	~		
Logout	SNTP		Low	~		
	NetBIOS		Low	~		
	IMAP		Low			-
	(143/220) SNMP					
	(161/162)		Low	*		
	HTTPS		Low	3		
	MSN		Low	*		
	XRD_RDP		Low			-
	QQ (4000/8000)		Low	*		
	ICQ		Low			_
	Yahoo		Low	~		
	BOOTP/		Low			
	DHCP			~		
	UserDEF_a		Low	~		
	UserDEF_b		Low	~		
	UserDEF_c	D-1	Low	~	D. 1	
	User Define Port range	Port 0 -	Port 0	e_B	Port 0 ~	

Edit View Favorites				-						
) Back • 🔘 📓 📓	G P Search	😤 Favorites 🚱	8.9 🖻	3						
10111 a http://192.168.2.1/	<i>k</i>								× 🖬	Go Li
8-Port 10/100Mbp	s Modular Fast Eti	ernet Switch				1				
	POP3				Low	×				
deniniste at or	NEWS				Low	~				
ort Management	SNTP				Low	*				
LAN Setting	NetBIOS				Low	*				
er Port Counter	IMAP				Low	~				
runk Setting	(143/220) SNMP									
oS Setting	(161/162)				Low	~				
 Priority Mode 	HTTPS				Low	~				
 Class of Service Configuration 	MSN				Low	*				
ICRADE	XRD_RDP				Low	~				
Port Number GoB	QQ (4000/8000)				Low	~				
ecurity filter	ICQ				Low	~				
onfiguration ackup/Recovery	Yahoo				Low	~				
iscellaneous	BOOTP/				Low	~				
ogout	DHCP				1.4.4.1	_				
	UserDEF_a				Low	~				
	UserDEF_b				Low	2 2				- 0
	and the second s	Define		1	Low Defin	101	1	Def	ine C	_
	User Define Port range	Port 0			Port 0	-		Port		
	(65535~1)	Port 0			Port 0			Port		
	TOS Priority	6'b001010: Low	≤ 6'b010	0010: Low	× 1	6'601101	0: Low	≤ 6'b100	010: Low	*
	Setting	6'b101110: Low		0000: Low	~	6Ъ11100	0: Low	*		
				Eni	able Port					
	01		03	04		5	06	07	80	
	E									
			TCP/UDP	port numbe	r QoS fu	nction	Disable 👻			
					Apclete					1
		ass of Service for To tion to a priotity que		umber allow	is the net	work adn	ninistrator b	o assign the sp	ecific	

There are four modes of TCP/UDP priority to select.

- 1. "F-I-F-O": First-In-First-Out, the first receiving packet will be firstly transmitted.
- "Discard": packets will be discarded.
 "Low": the packets of low priority will be transmitted after the packets of high priority.
- 4. "High": the packets of high priority will be firstly transmitted.

Security Filter: MAC Address Filter

Ele Edit Yew Favorites		00000		
	🖞 🏠 🔎 Search 👷 Favorites	Q 2. 3 2 3		
(drets) 🕘 Http://192.168.2.1/			2468	💌 🛃 Go Links
8-Part 10/100Mbp	os Modular Fast Ethernet Switch			
			1 3 5 7	
Administrator Port Management	MAC Address C	onfiguration		
VLAN Setting				
Per Port Counter	Port No		MAC Address	
Trunk Setting				
OoS Setting	1	Second S		
Security Filter MAC Address Filter	÷.	1	Reed	
TCPAJOP Filter		and a second second second		
Configuration Backup Recovery		Select Port 01 K Filt	or Disable 💌 Update	
Miscellaneous	Port No	Filter Status	Port No	Filter Status
Logout	1	Disable	5	Dirable
	2	Dirable	6	Dirable
	3	Disable	7	Disable
			8	Dirable

Set special MAC address to activate on the selected port.

- 1. Enable: allow the packet which has this MAC address to activate on the port. The port will record the first receiving source MAC address as the security MAC address.
- 2. Click "Update" to confirm and finish the setting.

Security Filter: TCP/UDP Filter

								Ga 1.11
is Modular Fast Ethernet	Switch							
TCP_UDP F	lter Confi	guration						
Function Enable	Diseble 💌							
Port Filtering Rule	[Dery, w] Tear" aroun the organize packets in the relevest port with releved postocol will be dropped and stdtr protocols will be forwarded. "More" mean the restrict postocol will be forwarded and other protocols will be dropped. Hote: 1. The recurs WAM port should be ret at the physical port which is connected to the server. 2. One this francous enabled, the restrict will deck the dropped formation TCP/00DP port number at the original direction of the server WAM port 2 the continuum much, the packet will be dropped of forwards.							
Secure Port	Port01	Port02	DPort03	DPort04	DPort05	Port06	Dort07	Port08
	¶T7⊡	□ SSH	DTELNET	SMTP	DNS	TFIP	CHTTP (30/8080)	EPOP3
Protocol	DNEWS .	⊡spπp	□ NetBJOS	[] IMAP (143/220)	(161/162)	□HTTPS	DXRD_RDP	DHCP
	UserDEF_a	UserDEF_b	[]UserDEF_c					
	TCP_UDP Fil	TCP_UDP Filter Confi Function Enable Density of the period of thep	TCP_UDP Filter Configuration Function Enable Density @ Density @ There's management Port Filtering Rule "More stars the restrict protocol will be from which of protocol will be from which of protocol be and the stars the stars the protocol be and the stars the sta					

You can enable or disable this function of per port.

If you enable this function, there are two modes as below,

- 1. "Negative Filter Mode": packets compliant with protocol will be dropped.
- 2. "Positive Filter Mode": packets compliant with protocol will be forwarded.
- 3. Click "Update" to confirm and finish the setting.

Configuration Backup/Recovery

SmartSwitch Web-Ba	e Controller - Microsoft Intern	et Explorer				
Eile Edit View Favorites Tools Help						
🕒 Back 🝷 🐑 🔺 🛃 🕻	🏠 🔎 Search 👷 Favorites 🤣 🎯	🎍 🖃 🚳				
Address 🝓 http://192.168.2.1/						
8-Port 10/100Mbps M	Iodular Fast Ethernet Switch	$\begin{array}{cccccccccccccccccccccccccccccccccccc$				
 Administrator Port Management 	Configuration Backup/Recover	ry -				
VLAN Setting	Backup(Switch→PC)					
Per Port Counter			_			
Trunk Setting	Please check "Download" to downloa	d EEPROM contents. Download				
QoS Setting						
 Security Filter Configuration 						
 Configuration <u>Backup/Recovery</u> Miscellaneous 	Recovery(PC→Switch)					
Logout	Select the image file :	Browse				
		Drowse				
	Password: Update]				
🕘 http://192.168.2.1/backup.htm		🧶 Intern	et 🧮			

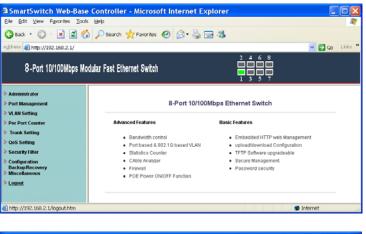
Follow the instruction on the screen to update the original setting. "Backup": Click "Download" to confirm the setting. "Recovery": Click "Update" to confirm the setting.

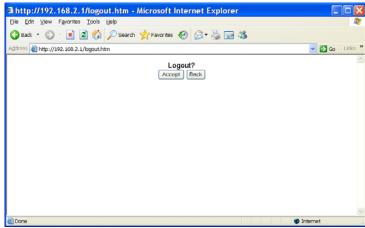
Miscellaneous

SmartSwitch Web-B	ase Controller - Micro	oft Internet Explorer 🛛 🗖 🖪				
Elle Edit View Favorites I		R				
🔇 Back 🔹 🔘 🔹 📓	🏠 🔎 Search 👷 Favorite	0 6 3 3 3 3				
Agishania 🚮 http://192.168.2.1/		🚽 🛃 Go Lris '				
8-Port 10/100Mbps	Modular Fast Ethernet Switc	h 2468 1357				
 Administrator Port Management 	Miscellaneous	Miscellaneous Setting				
V.A.B.Stitling Variantian Variantian Variantiantiantiantiantiantiantiantiantiant		Output Queue Aging Time				
	Aging time Disable 🛩 ms					
		VLAN Striding				
	VLAN Striding Disable	When this function is enabled, the switch will forward a uni-cast packet to the destination port. No matter whether the destination port is in the same VLAN group.				
		IGMP Snooping V1 & V2				
	IGMP Snooping Disable	IGMP Snooping V1 & V2 function enable				
		Update				
1 http://192.168.2.1/MISC.Hm		 Internet 				

- 1. "Aging Time": You can set queue aging time into different milliseconds or disable this function.
- 2. "VLAN Striding": You can enable/disable this function.
- 3. "IGMP Snooping": You can enable/disable this function.
- 4. Click "Update" to confirm and finish the setting.

Logout





You can click "Accept" to logout.