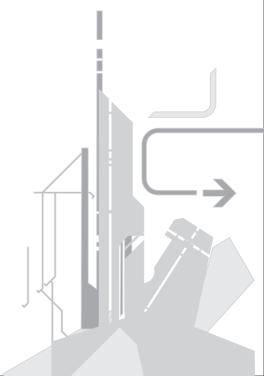


OT-2208SIW/UX

8 Ports 10/100M Advanced Version Smart Switch

User Manual

Ver.A0



Chapter 1 Product Specification

1.1 Product Characteristics

Thanks for your choice of 8 Ports 10/100Mbps Smart Ethernet Swith. A small and low cost switch with advanced function, such as port and tag VLAN, IGMP V2, and spanning tree. Please read the manual carefully before use.

1.2 Product Specifications

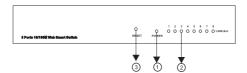
Standards	IEEE802.3, 802.3u
Basic Function	Wire-speed Performance MAC Address Auto-Learning and Auto-aging IEEE802.3x flow control for Full-Duplex Mode and backpressure for Half-Duplex Mode
Backbound Bandwidth	3.2Gbps
MAC Address Table	4k
Forwarding Rate	10BASE-T: 14880pps/port 100BASE-TX: 148800pps/port
Transmission Method	Store-and-Forward
Ports	8 10/100Mbps Auto-Negotiation RJ45 ports (Auto MDI/MDIX)
Network Media	10Base-T: UTP category 3, 4, 5 cable (maximum 100m) EIA/TIA-568 100Ù STP (maximum 100m) 100Base-Tx: UTP category 5, 5e cable (maximum 100m) EIA/TIA-568 100Ù STP (maximum 100m)
LED Indicators	Power, Link/Act
Dimensions (W*D*H)	175mm × 124.2mm × 29.8mm
Environment	Operating Temperature: 0°C~40°C(32°F~104°F) Storage Temperature: -40°C~70°C(-40°F~158°F) Operating Humidity: 10%~90% non-condensing Storage Humidity: 5%~90% non-condensing
Input	Power: External Power Adapter
Consumption	Max:8W

1.3 Package Contents

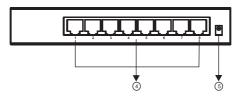
- 1 piece of 8-port Ethernet Switch
- 1 piece of external power adapter
- 4 pieces of rubber padding
- User's manual (or in CD disc)

1.4 Product outline

Front panel



Rear Panel



- 1 Power Indicator 2 Port Indicator
- ③ Reset Pushbutton
- (4) 8 RJ45 Ports (5) Power Plug

Chapter 2 Hardware Installation

2.1 Quick Installation Guide

Choose a proper place for the rack mountable switch, considering the surroundings such as power source, space, keep it away from strong sunlight, heat source, and electromagnetism interference.

Installation & Connection method:

- 1. Stick rubber paddings onto the bottom side of the switch.
- 2. Connect the switch to power source with offered power adapter, turn it on, the switch will test itself, all its indication lights are on at the same time, test is done when the lights go off.
- 3. Connect the switch to network devices, including Lan cards, switches etc. with Cat3,4,5 cable(Cat5 recommended); related indication lights flash when attached network devices are working. ALL ports support Uplink.

Note: Please not plug a phone line into a RJ45 port, otherwise it may cause damage.

2.2 LED Indications

LED	Status	Indication
Power	ON/OFF	Power on/off
Link/Act	ON/OFF	Ports connected/Ports unconnected
	Flash	Data frames running

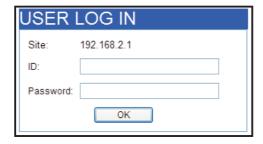
- After cables are connected, the indicator of a port does not work
 - 1. Check all the connection ports
 - Check if the switch and network device are on, and both ends of the cable are properly connected.
 - 3. Check if right cables are used, and connectors are good.
 - 4. Check if max. transmission cable length within 100-meter.
- The indicator of power does not work
 - 1. Check the power is on, properly connected, and if voltage is stable.

Chapter 3 Configuration Guide

3.1 Fast Log on

Notice: You may have to configure a new IP for a managing computer, because default switch IP is 192.168.2.1. You can log on as following steps:

- 1. Connect the switch with the managing computer Lan card;
- 2. Turn on the switch;
- 3. Make sure the managing computer IP address belongs to 192.168.2.2~254, e.g:192.168.2.100
- 4. Open IE browser, input http://192.168.2.1 and 'Enter', you will see login window as below:



 Input User Name <u>admin</u>,Password <u>system</u>, and click"OK", configuration window comes as below:

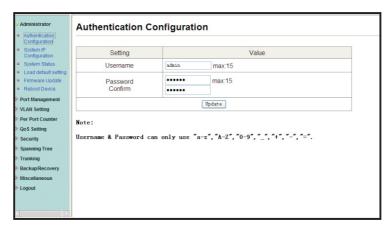


Remarks

- 1. One user is allowed to log on at one time.
- 2.Re-entry to the management Web interface is required if no action within 5 minutes.

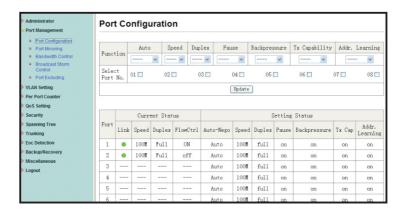
3.2 Administrator

Here provides authentication/system IP configuration, system status,load default setting, firmware update and reboot device options.

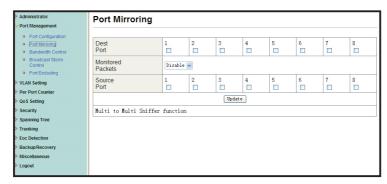


3.3 Port Management

Here provides port configuration, port mirroring, bandwidth, broadcast storm control and port excluding options.



Port mirror allows users to define a destination port and target ports, all packets through target ports will be copied and resent to the destination port, it helps users monitor without using bandwidth of target ports. packets

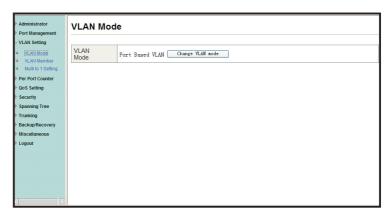


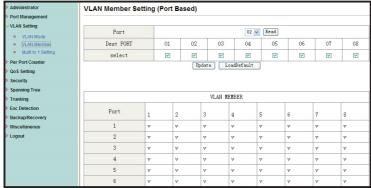
3.4 VLAN Configuration

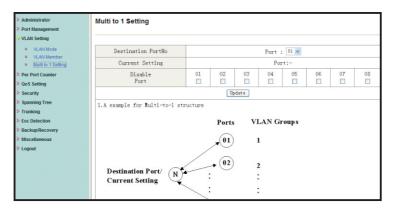
A VLAN is a group of ports designated by a switch those belong to a same broadcast domain.

This feature allows workgroups to be defined on the basis of their logical function, and need no recabling. It also enables you to configure port-based VLANs to for isolation- speedup traffic and increase security. VLAN also helps create limited broadcast domains, to prevent traffic from being forwarded to stations where it is not needed.

802.1Q VLAN and portt-baced VLAN are available by clicking 'VLAN mode 'option. (Former VLAN configuration will be cancelled, if the switch VLAN mode is changed.)

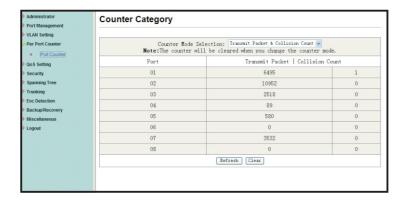




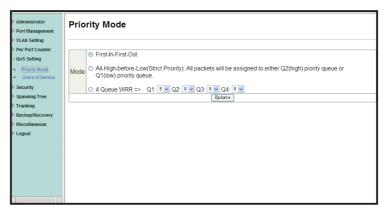


3.5 Port Statistics

Here provides statistics of current forwarding and receiving data.



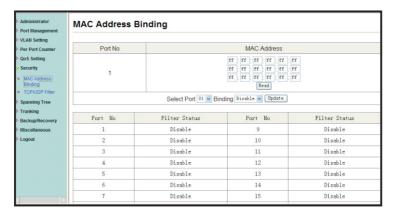
3.6 QoS Setting

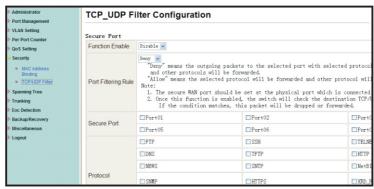


Administrator	Class of Service		
Port Management			
VLAN Setting	The switch treats TCP/UDP, IP TOS/DS, 802.1p and physical port CoS scheme in the following priority. TCP/UDP > IP TOS/DS > 802/1p > Physical port. TIS means TCP/UDP CoS will override all other settings.		
Per Port Counter			
✓ QoS Setting			
Priority Mode			
Class of Service	·		
> Security	(1) TCP/UDP port		
Spanning Tree	Note: Protocol (1) Q1 ~ Q4 options are effective for the selected physical port only. (2) "Drop" option is the global setting for all physical ports.		
Foc Detection	FTP Q1 V		
Backup/Recovery	SSH Q1 V		
Miscellaneous	TELNET Q1 V		
Logout	SMTP Q1 v		
r Logout	DNS Q1 V		
	TFTP Q1 V		
	HTTP Q1 V		
	POP3 Q1 V		
	NEWS Q1 V		
	SNTP Q1 V		
	NetBIOS 91 V		

3.7 Security Setting

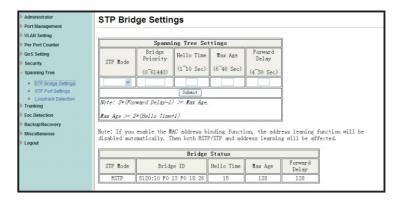
- 1. Mac Address Binding(3 addresses)
- 2. TCP UDP Port Filtering
 - -disable- Data complies with chosen protocols is filtered, the other is forwarded.
 - -enable- Data complies with chosen protocols is forwarded, the other is filtered.



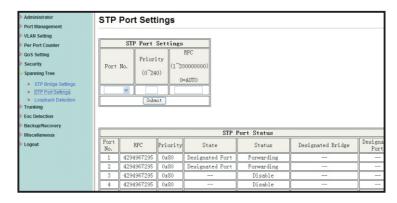


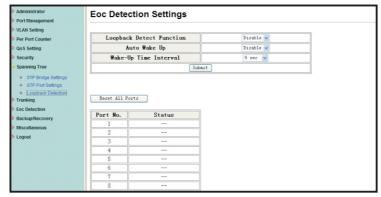
3.8 Spanning Tree

Spanning Tree Protocol (STP) is an industry standard that prevents loops networks. The Spanning Tree algorithm creates a single path through network by making sure that only one path is used when there are more than one path exists among a network. It also permits multiple links to remain active in a transmission conjunction. The IEEE 802.1d Spanning Tree Protocol supports redundant backbone connection and loop-free networks.

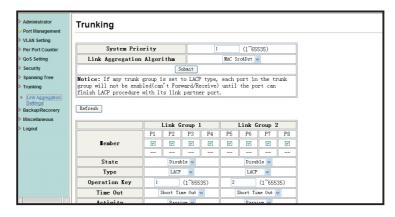


The spanning tree feature is enabled in default.

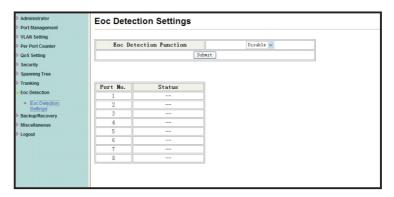




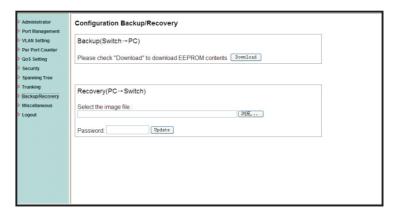
3.9 Trunking Configuration



3.10 Eoc Detection Settings

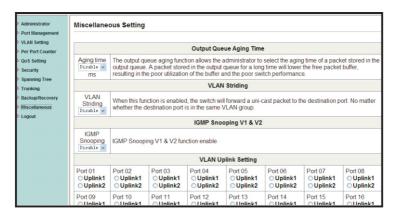


3.11 Configuration backup/recovery



3.12 Other configuration

Here provides Miscellaneous setting, including aging time, VLAN striding, IGMP snooping and VLAN uplink settings.



Chapter 4 Maintenance & Troubleshooting

4.1 Password Lost

- 1. Press Reset button of the switch for 5-10 seconds to recover to factory default setting;
- 2. Use default User 'admin' and Password 'system' to log on to web interfaces.

4.2 Power system failure

Power indicator is on when the switch works. Check following, if the Power indicator is off.

- 1. Correct connection
- 2. Required power supply for the switch is used.

4.3 Unable to access to WEB interfaces

Check following, if unable to access to WEB interfaces.

- Whether more than one administrators are loging on to WEB interface at the time.
 Please try it again later
- 2. Whether cable connection is correct, or the port is prohibited by administration.
- 3. Whether the port belongs to VLAN of administration:
- 4. Whether the computer IP is in the same subnet with switch IP in a local network, or access by a router device for remote administration.
- 5. To check connection between the computer and switch by MS-DOS ping command, using 192.168.2.1 in default.