

one source for worldwide infrastructure services

Console Port

(24 Port Nway Switch)

User's Manual

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Chapter 1.

Console port features overview

- Supports real time status read/write operation
- Provides on line link status.
- Supports port setting for N-Way or force mode operation
- One port-based Trunk supports the speed up to 800Mbps.
- Supports Load Balancing on Trunking port.
- Optional fiber optic module for 100Base-FX application.





Chapter 2.

Hardware installation Accessories:

- One Null model cable
- One D-SUB 9 pin female connector on front panel
- Fiber module (optional)-multimodule/single module (ST or SC type connector)

Turn off your PC & Smart Switch powers, and then connect the cable from PC Serial port to Smart Switch D-sub connector.



Note: When you connect the cable from PC Serial port, please remember which serial port you connected. (Please refer to the step 3 of page 4)

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Chapter 3.

Software Setting Open Hyper Terminal

Follow the steps to open the program.

Step 1:

Start ⇒ <u>P</u>rograms ⇒ Accessories ⇒ Communications ⇒ HyperTerminal



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Step 2:

Enter any name for new connection, and then press OK.



Step 3:

Choose serial port that you connect.

Connect To	? ×
24 Ports	
Enter details for	the phone number that you want to dial:
<u>C</u> ountry code:	United States of America (1)
Ar <u>e</u> a code:	2
Phone number:	
Connect using:	Direct to Com1
	OK Cancel

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Step 4: Configuration COM port properties.

> <u>B</u>its per second: **9600** Data bits: **8** Parity: **None** Stop bits: **1** Flow control: **None**

COM Per	Properties 7 ×
	Bite per second: 9600
	Date bils: 8
	Paily: None 💌
	Stop bils: 🔳 💌
	Eaw control:
	Advanced Bestore Delaulta
	OK Cancel Apply

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Step 5:

Press enter any key at keyboard when you see the cursor blinking. (Default) Username **admin** Password **123**

Web Smart 24 + 2 Port Standalone Switch

Username : admin

Password : ***_

You will see

Switch Main Menu
1. Port Status
2. Port Configuration
3. Trunk Configuration
4. VLAN Configuration
5. Port Monitoring Configuration
6. QoS Configuration
7. Bandwidth Control
8. Misc Operation
0. Logout

The configuration on PC is successful.

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Chapter 4.

The Function of Smart Switch

I. Port Status II. Port Configuration III. Trunk Configuration IV. VLAN Configuration V. Port Monitoring Configuration VI. QoS Configuration VII. Bandwidth Control VIII. Misc Operation

I. Port Status

Display current status: enabled/disabled, link up/down,

speed/duplex and flow control of each port.

Port Status									
Port	Enable	Link	Spd Dpx	Flow Ctrl	Port	Enable	Link	Spd Dpx	Flow Ctrl
PORT1	Enable	Down			PORT14	Enable	Down		
PORT2	Enable	Down			PORT15	Enable	Down		
PORT3	Enable	Down			PORT16	Enable	Down		
PORT4	Enable	Down			PORT17	Enable	Down		
PORT5	Enable	Down			PORT18	Enable	Down		
PORT6	Enable	Down			PORT19	Enable	Down		
PORT7	Enable	Down			PORT20	Enable	Down		
PORT8	Enable	Down			PORT21	Enable	Down		
PORT9	Enable	Down			PORT22	Enable	Down		
PORT10	Enable	Down			PORT23	Enable	Down		
PORT11	Enable	Down			PORT24	Enable	Down		
PORT12	Enable	Down			MOD1				
PORT13	Enable	Down			MOD2				

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II. Port Configuration

Configure enable state, auto-negotiation, speed/duplex, and flow control for each port.

Port Configuration									
Port	Enable	Auto	Spd/Dpx	Flow Ctrl	Port	Enable	Auto	Spd/Dpx	Flow Ctrl
PORT1 PORT2 PORT3 PORT4 PORT5 PORT6 PORT7 PORT8 PORT9 PORT10 PORT11 PORT12 PORT12 PORT14	Enable Enable Enable Enable Enable Enable Enable Enable Enable Enable Enable Enable Enable	On On On On On On On On On On On On	Auto Auto Auto Auto Auto Auto Auto Auto	On On On On On On On On On On On On On	PORT15 PORT16 PORT17 PORT18 PORT20 PORT21 PORT22 PORT23 PORT24 M1 M2	Enable Enable Enable Enable Enable Enable Enable Enable Enable	On On On On On On On On	Auto Auto Auto Auto Auto Auto Auto Auto	On On On On On On On On On

III. Trunk Configuration

Configure the trunk groups. There are max. 7 trunk groups can be configured. User can arbitrarily select up to four ports from port1~port24 or port25~port26 to make a trunk group.

Trunk Configuration									
Trunk 1 : Disable	DODT1	T T T T T T T 1 2 3 4 5 6 7		T T T T T T T 1 2 3 4 5 6 7					
Trunk 2 : Disable	PORT2		PORT13						
Trunk 3 : Disable	PORT3 PORT4		PORT15 PORT16						
Trunk 4 : Disable	PORT5 PORT6		PORT17 PORT18						
Trunk 5 : Dicable	PORT7		PORT19						
Trunk 5 : Disable	PORT8		PORT20						
Trunk 6 : Disable	PORT10 PORT11		PORT22 PORT23						
Trunk 7 : Disable	PORT12		PORT24						

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Notice:

- 1: The 10/100Mbps port cannot be trunked with gigabit port.
- 2: All ports in the same trunk group will be treated as a single port. If VLAN group exist, all of the members in a trunk group **must** be in the same VLAN group.



Figure 1:

Figure1. Cascaded Connection:

Three 24 ports Smart Switches and one 4 port Server. 24 ports Smart Switch can support up to Two Trunks and each Trunk with maximum 4 ports in cascaded connection.

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IV. VLAN Configuration

VLAN is a logical network group that limits the broadcast domain. It allows you to isolate network traffic so only members of the VLAN receive traffic from the same VLAN members. Basically,creating a VLAN within a switch is logically equivalent of reconnecting a group of network devices to another Layer 2 switch. However, all the network devices are still plug into the same switch physically.

VLAN Configuration

1. VLAN Configuration

- 2. Advanced 802.10 VLAN Setting
- 0. Return to Main Menu

V. Port Monitoring Configuration

Port monitoring is forwarding specified direction of packets from several monitored ports to a specified monitoring port.

	Port =====	Monitoring Configura	ition
Port M	onitoring Mo	de : RX	
Monito	ring Port :	PORT1	
Monito	red Port ·		
TRAFFIC TO A DECK			
PORT1		PORT10	PORT19
PORT1 PORT2		PORT10 PORT11	PORT19 PORT20
PORT1 PORT2 PORT3		PORT10 PORT11 PORT12	PORT19 PORT20 PORT21
PORT1 PORT2 PORT3 PORT4		PORT10 PORT11 PORT12 PORT13	PORT19 PORT20 PORT21 PORT22
PORT1 PORT2 PORT3 PORT4 PORT5		PORT10 PORT11 PORT12 PORT13 PORT14	PORT19 PORT20 PORT21 PORT22 PORT23
PORT1 PORT2 PORT3 PORT4 PORT5 PORT6		PORT10 PORT11 PORT12 PORT13 PORT14 PORT15	PORT19 PORT20 PORT21 PORT22 PORT23 PORT24
PORT1 PORT2 PORT3 PORT4 PORT5 PORT6 PORT7		PORT10 PORT11 PORT12 PORT13 PORT14 PORT15 PORT16	PORT19 PORT20 PORT21 PORT22 PORT23 PORT24
PORT1 PORT2 PORT3 PORT4 PORT5 PORT6 PORT7 PORT8		PORT10 PORT11 PORT12 PORT13 PORT13 PORT15 PORT15 PORT17	PORT19 PORT20 PORT21 PORT22 PORT23 PORT24

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VI. QoS Configuration

Configure QoS mode, 802.1p priority and static port priority.

	Q =	oS Config	uratio =====	n =	
QoS Mod	de : Hi	gh : Low	= 3 :	1	
Static	Port I	ngress Pr	iority	:	
PORT1 PORT2 PORT3 PORT4 PORT5 PORT6 PORT6 PORT7 PORT8 PORT9	Off Off Off Off Off Off Off Off	PORT10 PORT11 PORT12 PORT13 PORT14 PORT15 PORT16 PORT17 PORT18	Off Off Off Off Off Off Off Off Off	PORT19 PORT20 PORT21 PORT22 PORT23 PORT24	Off Off Off Off Off Off
802.1p High H:	Priori igh Hig	ty [7-0] h High Lo	: w Low	Low Lo	W

VII. Bandwidth Control

Configure input rate or output rate of each port. For example: assume port 1 is 10Mbps, users can set it's effective Output Rate to 1Mbps, Input Rate to 500Kbps.

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Bandwidth Control								
Port	InRate	OutRate	Port	InRate	OutRate			
PORT1	0	0	PORT13	0	0			
PORT2	Ø	Ō	PORT14	Ø	Ø			
PORT3	0	Ø	PORT15	0	0			
PORT4	0	0	PORT16	0	0			
PORT5	0	0	PORT17	0	0			
PORT6	0	0	PORT18	0	0			
PORT7	0	0	PORT19	0	0			
PORT8	0	0	PORT20	0	0			
PORT9	0	0	PORT21	0	0			
PORT10	0	0	PORT22	0	0			
PORT11	0	0	PORT23	0	0			
PORT12	0	0	PORT24	0	0			

VIII. Misc Operation

Miscellaneous operation of the switch.

	Misc Operation
1.	Advanced Switch Configuration
2.	Password Setting
З.	Restore System Default Setting
4.	Reboot System
5.	System Information
6.	IP Configuration
0.	Return to Main Menu

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- Advanced Switch Configuration Configure advanced switch functions: BSF, Collision retry, age-out time ...
- 2. Password Setting Change user name and password
- 3. Restore System Default Setting Restore to manufacture default.
- 4. Reboot System

Reboot switch.

5. System Information Firmware version, chip revision, ...

Chapter 5.

Web Login

I. Setting IP Address by Console Port

When you are going to login the web pages, you have To set the IP address properly. You could login with the default IP address **192.168.1.1**.But you have to make sure this IP could work in your network environment. Or you have to re-configure the IP address ,subnet mask and default gateway.

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Step 1:

login with the console port.

Step 2:

go to the "IP Configuration " screen. Then, set the IP address properly

II. Login with a Web Browser

Wen you connect to the switch with a web browser, a login screen is displayed. Enter a user name and password to login to access the switch.

Web Smart 24 + 2 Port Standalone Switch	
Username: admin	
Password:	
Login	

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