

ES-0802-M

**8- 10/100 Ports + 2-SFP PORT 1000M
ETHERNET SWITCH**



The **ES-0802-M** is a WEB-Smart Ethernet switch that integrates 2.75Mbits RAM, an 8K-entry MAC address lookup table, 8 100Base-T ports and two 1000Base SFP Ports. The ES-0802-M supports Port Based and Tag Based VLAN. For diagnostics/analysis, TX Packet/RX Packet, Collision Count/Transmit packet, Drop Packet/Receive Packet and CRC error packet/Receive Packet. Supports IGMP snooping v. 1 and v.2. Provides 4K MAC address entries, with configurable MAC address table and optional MAC address learning. Maximum packet length can be up to 1536 bytes. Broadcast storm filtering prevents network crashes caused by abnormal broadcast activity. ES-0802-M switches are ideal for any premises FTTx, LAN-to-LAN or LAN-to-WAN fiber networking applications.

1. KEY FEATURES

- Built-in 2.75Mb RAM
- Support packet length up to 1536 Bytes
- Store & forward, share memory, non-blocking architecture
- Supports flow control
802.3x in full duplex
Collision/carrier_sense based backpressure in half duplex
- Provides up to 4K MAC address entries
CRC/ direct hashing algorithm
Programmable aging timer (55s~15.7hr) error < 4 %
Configurable MAC address table
Optional MAC address learning



- Supports porting mirroring function (Tx, Rx, Tx&Rx)
- Supports IGMP snooping function Version 1 and Version 2
- Supports flexible 3 trunking groups
(Port 0 ~ port 3, port 4~ port 7, Gigabit port 1 ~ port 2)
Load balance based on (physical port, Destinationn MAC Address, Source MAC Address, Destination MAC Address/Source MAC Address)
- Link failure recovery
- Supports VLAN
 - Port based VLAN
 - Tag based VLAN
 - Add/ remove/ modify tag based on VID or physical port
- Support Class of Service
 - Port based CoS
 - 802.1Q priority tag based
 - IP TOS/DSCP based (IPv4/IPv6)
 - TCP/UDP port based
 - 2 level of priority per port
 - WRR/ First-Come-First-serve/ Strict priority
- Broadcast storm control support
 - Broadcast rate control per port
 - Block broadcast packet that does not belong to ARP or IP packet forwarded to
- Supports port security
 - MAC address based
 - IP address based
 - TCP/UDP port based
- Supports Bandwidth control with/without flow control
 - 480 configurable levels for port 1~port 24 and (from 32kbps to 63.75 Mbps)
 - 508 configurable levels for Port 25 and port 26 (from 32kbps to 510 Mbps)
- Supports 5 port state for Spanning Tree protocol
 - Blocking/ listening/ learning/ forwarding/disabled
 - Forward BPDU to CPU port
- Status counters for each port
 - RX/TX packet count
 - CRC error packet count
 - Dropped packet count
 - Collision count

2. TECHNICAL SPECIFICATION

Standard: 802.3z and 802.3ab

Wavelength: Depending on SFP modules

Fiber Ports Distance: Depending on SFP modules

Fiber Cable: Depending on SFP modules

Connectors: 8x RJ-45 Jacks and 2x SFP connectors

Power Supply: 12VDC

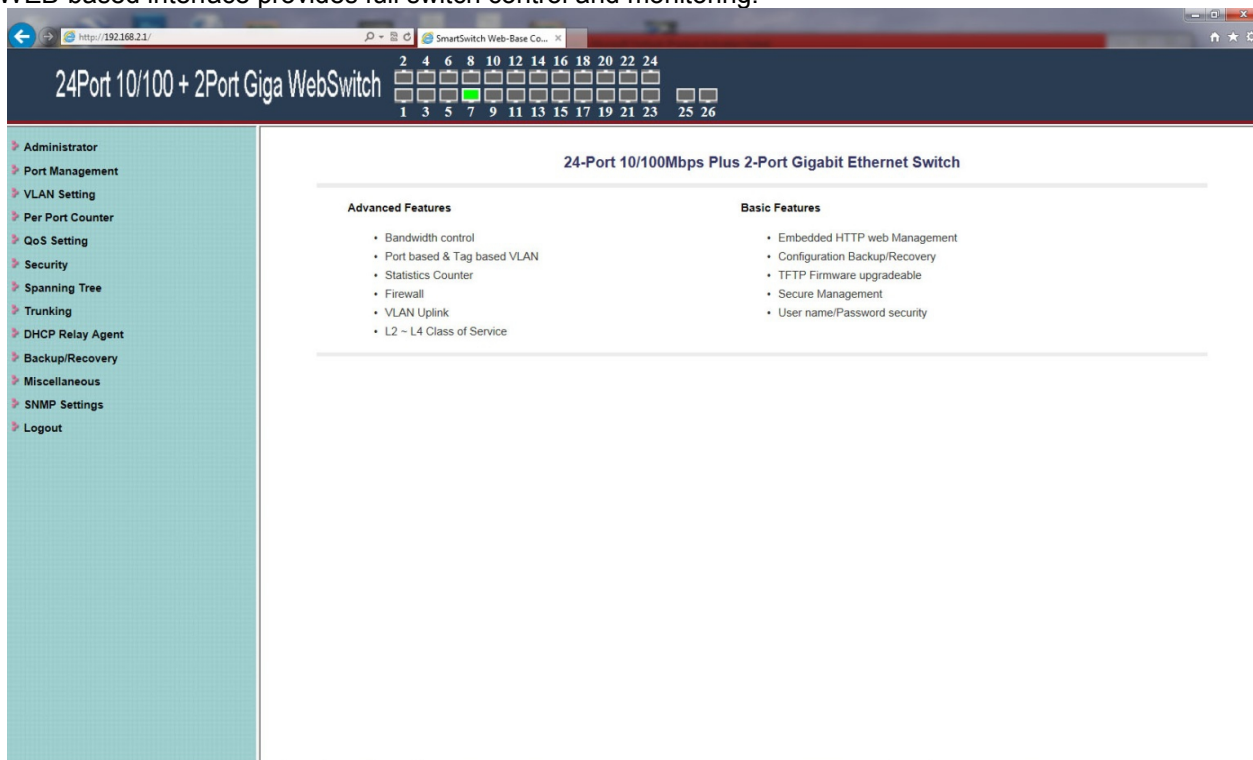
Power Consumption: MAX 4W

Operating temperature: 0 to 40C

Storage temperature : -20 to 70C

4. WEB Interface

The WEB-based interface provides full switch control and monitoring.

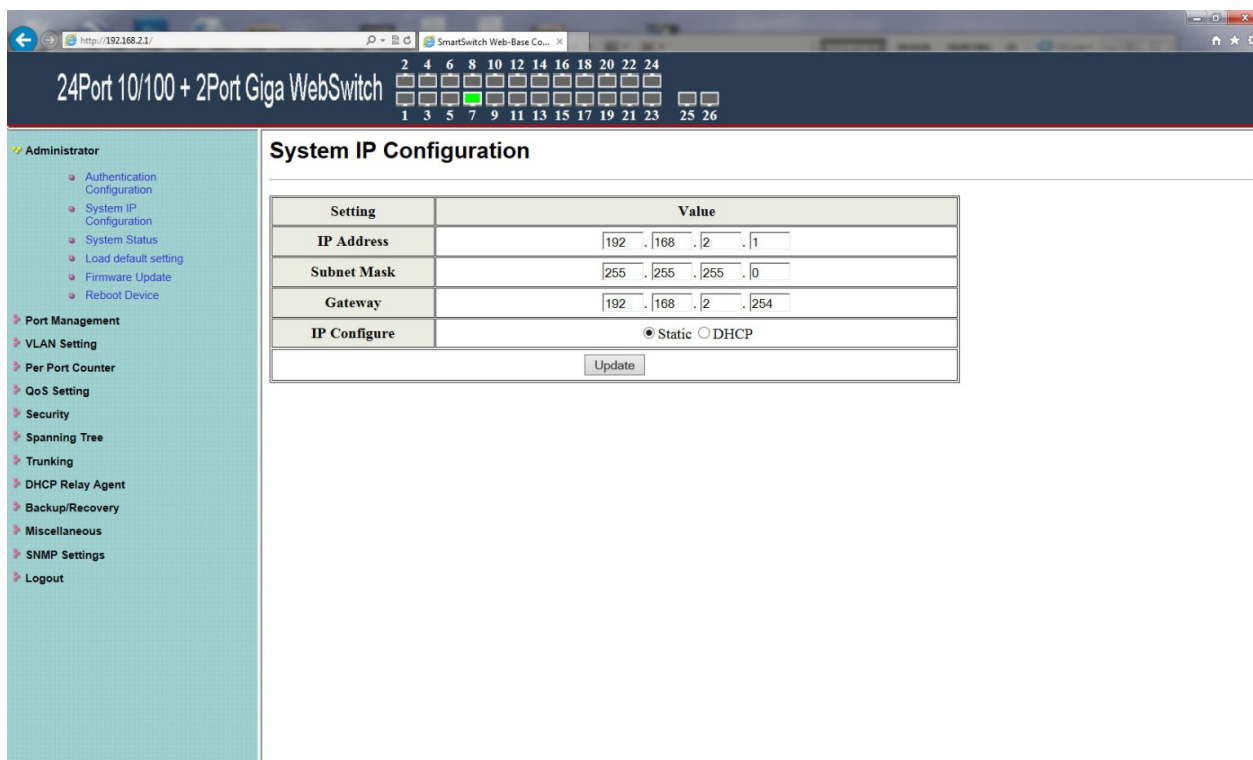


4.1 Default Settings

Default IP Address: 192.168.2.1

Default User: admin

Default Password: system



4.2 Port Configuration

- TX/RX Ability – Enable/Disable a port
- Auto-Negotiation - Enable/Disable Auto-Negotiation for a specific port
- Speed – Force 10, 100 or 1000Mbps for a specific port
- Duplex – Force Full/Half Duplex for a specific port.
- Pause – Enable/Disable for a specific port - When operating in full duplex mode, ES-0802-M supports IEEE802.3x flow control, both symmetric pause and asymmetric pause function. Each port's flow control function can be enabled individually. When the packets in buffer reach the threshold, ES-0802-M generates a "Xoff" pause packet immediately or right after the current packet has been transmitted. When receiving a pause packet, the link partner stops transmission for a period of time defined in the pause packet. This prevents the buffer of ES-0802-M from overrun. When the packets in buffer lower than threshold, ES-0802-M generates a "Xon" pause packet to notify the link partner the receive buffer is available.
- Backpressure – Enable/Disable - When operating in half duplex mode, the ES-0802-M supports backpressure flow control. Each port's backpressure function can be enabled individually. When the packets in buffer reach the threshold, ES-0802-M generates a jam pattern to back off the link partner. ES-0802-M supports the collision based and carrier-based backpressure. When the collision based backpressure is enabled, register, ES-0802-M generates a jam pattern only when the link partner is transmitting data and the receive buffer in ES-0802-M is not available. When detecting a collision on line, the link partner stops transmission until a back off time expires. When the carrier based backpressure is enabled, ES-0802-M transmits null packets continuously to prevent link partner's transmission when the buffer is not available.
- Address Learning – Enable/Disable - ES-0802-M can handle up to 4096 MAC address entries. And it provides two kinds of hash method to maintain the MAC address table; one is the direct mapping and the other is the CRC algorithm. When the direct mapping method is selected, ES-0802-M recognizes the least significant 12 bits of the MAC address. When the CRC algorithm is used, ES-0802-M uses 48-bit MAC address to hash. The address learning function for each port can be either enabled or disabled.

Port Configuration

Function	Tx/Rx Ability	Auto-Negotiation	Speed	Duplex	Pause	Backpressure	Addr. Learning
Select Port No.	<input type="checkbox"/> 01 <input type="checkbox"/> 02 <input type="checkbox"/> 03 <input type="checkbox"/> 04 <input type="checkbox"/> 05 <input type="checkbox"/> 06 <input type="checkbox"/> 07 <input type="checkbox"/> 08 <input type="checkbox"/> 09 <input type="checkbox"/> 10 <input type="checkbox"/> 11 <input type="checkbox"/> 12 <input type="checkbox"/> 13 <input type="checkbox"/> 14 <input type="checkbox"/> 15 <input type="checkbox"/> 16 <input type="checkbox"/> 17 <input type="checkbox"/> 18 <input type="checkbox"/> 19 <input type="checkbox"/> 20 <input type="checkbox"/> 21 <input type="checkbox"/> 22 <input type="checkbox"/> 23 <input type="checkbox"/> 24 <input type="checkbox"/> 25 <input type="checkbox"/> 26						
<input type="button" value="Update"/>							

Port	Current Status				Setting Status						
	Link	Speed	Duplex	FlowCtrl	Tx/Rx Ability	Auto-Nego	Speed	Duplex	Pause	Backpressure	Addr. Learning
1	---	---	---	---	ON	AUTO	100M	FULL	ON	ON	OFF
2	---	---	---	---	ON	AUTO	100M	FULL	ON	ON	OFF
3	---	---	---	---	ON	AUTO	100M	FULL	ON	ON	OFF
4	---	---	---	---	ON	AUTO	100M	FULL	ON	ON	OFF
5	---	---	---	---	ON	AUTO	100M	FULL	ON	ON	OFF
6	---	---	---	---	ON	AUTO	100M	FULL	ON	ON	OFF
7	●	100M	FULL	ON	ON	AUTO	100M	FULL	ON	ON	ON
8	---	---	---	---	ON	AUTO	100M	FULL	ON	ON	OFF
9	---	---	---	---	OFF	AUTO	100M	FULL	ON	ON	OFF
10	---	---	---	---	OFF	AUTO	100M	FULL	ON	ON	OFF
11	---	---	---	---	OFF	AUTO	100M	FULL	ON	ON	OFF
12	---	---	---	---	OFF	AUTO	100M	FULL	ON	ON	OFF

4.3 Port Mirroring

In some circumstances, the network administrator requires to monitor the network status. The port mirroring function helps the network administrator diagnose the network. A port mirroring function is accomplished by assigning monitored ports (source ports), snooping ports (destination ports) and snooping method. ES-0802-M will copy the traffic of monitored ports to all snooping ports. That is, the snooped packets for all snooping ports are the same. The ES-0802-M supports three kinds of mirroring methods: the ingress, the egress and ingress plus egress.

4.4. Bandwidth Control

ES-0802-M implements a sophisticated data rate control mechanism, which is very useful for the bandwidth-limited network. By controlling both the ingress and the egress data rate, ES-0802-M provides a variety of bandwidth configurations. It limits the maximum byte counts, by which a port can send or receive in a period of time. If the transmit byte counts or receive byte counts of a port reaches a pre-defined threshold, it will stop transmitting or receiving data.

Each port's egress/ingress data rate can be programmed individually.

Bandwidth Control

Port No	Tx Rate	Rx Rate
01	(0~255) (0:Full Speed)	(0~255) (0:Full Speed)

Speed Base

Low:
 (1) 32Kbps Tx/Rx bandwidth resolution for port 1~ port 26.
 Actual Tx/Rx bandwidth = Rate value x 32 kbps. The rate value is 1~255.

High:
 (1) 256Kbps Tx/Rx bandwidth resolution for port 1~ port 24.
 Actual Tx/Rx bandwidth = Rate value x 256Kbps. The rate value is 1~255.
 When link speed is 10MB. The rate value is 1~39.
 (2) the bandwidth resolution is 2048Kbps for port 25, port 26.
 Actual Tx/Rx bandwidth = Rate value x 2048Kbps. The rate value is 1~255.
 When link speed is 100MB. The rate value is 1~48.

If the link speed of selected port is lower than the rate that you setting, this system will use the value of link speed as your setting rate.

Port No.	Tx Rate	Rx Rate	Link Speed	Port No.	Tx Rate	Rx Rate	Link Speed
1	Full Speed	Full Speed	---	14	Full Speed	Full Speed	---
2	Full Speed	Full Speed	---	15	Full Speed	Full Speed	---
3	Full Speed	Full Speed	---	16	Full Speed	Full Speed	---
4	Full Speed	Full Speed	---	17	Full Speed	Full Speed	---

4.5 Broadcast storm control

To prevent the broadcast storm, the ES-0802-M implements a broadcast storm control mechanism. When this function is enabled, a port begins to drop the incoming broadcast packets if the received broadcast packet counts reach the defined threshold. Each port's broadcast storm protection function can be enabled individually.

4.6. VLAN Mode

- **Port Based VLAN** - Each port based LAN entry defines the broadcast domain of the ingress port. The overall number of port based VLAN groups that the ES-0802-M can support is 27.
- **TAG Based VLAN** - The ES-0802-M provides a tag based VLAN table with 32 entries; i.e. VID table entry 0~31. ES-0802-M can add, remove or modify the VLAN tag.

http://192.168.21/
SmartSwitch Web-Base Co...

24Port 10/100 + 2Port Giga WebSwitch

2	4	6	8	10	12	14	16	18	20	22	24
1	3	5	7	9	11	13	15	17	19	21	23
25	26										

- Administrator
- Port Management
- VLAN Setting
 - VLAN mode
 - VLAN Member
 - Multi to 1 Setting
- Per Port Counter
- QoS Setting
- Security
- Spanning Tree
- Trunking
- DHCP Relay Agent
- Backup/Recovery
- Miscellaneous
- SNMP Settings
- Logout

VLAN Mode

VLAN Mode	Tag Based VLAN <input type="button" value="Change VLAN mode"/>															
Tag Mode	Port 01	Port 02	Port 03	Port 04	Port 05	Port 06	Port 07	Port 08	Port 09	Port 10	Port 11	Port 12	Port 13	Port 14	Port 15	Port 16
	<input type="radio"/> AddTag	<input type="radio"/> AddTag	<input type="radio"/> AddTag	<input type="radio"/> AddTag	<input type="radio"/> AddTag	<input type="radio"/> AddTag	<input type="radio"/> AddTag	<input type="radio"/> AddTag	<input type="radio"/> AddTag	<input type="radio"/> AddTag	<input type="radio"/> AddTag	<input type="radio"/> AddTag	<input type="radio"/> AddTag	<input type="radio"/> AddTag	<input type="radio"/> AddTag	<input type="radio"/> AddTag
	<input checked="" type="radio"/> don't care	<input checked="" type="radio"/> don't care	<input checked="" type="radio"/> don't care	<input checked="" type="radio"/> don't care	<input checked="" type="radio"/> don't care	<input checked="" type="radio"/> don't care	<input checked="" type="radio"/> don't care	<input checked="" type="radio"/> don't care	<input checked="" type="radio"/> don't care	<input checked="" type="radio"/> don't care	<input checked="" type="radio"/> don't care	<input checked="" type="radio"/> don't care	<input checked="" type="radio"/> don't care	<input checked="" type="radio"/> don't care	<input checked="" type="radio"/> don't care	<input checked="" type="radio"/> don't care
	<input type="radio"/> RemoveTag	<input type="radio"/> RemoveTag	<input type="radio"/> RemoveTag	<input type="radio"/> RemoveTag	<input type="radio"/> RemoveTag	<input type="radio"/> RemoveTag	<input type="radio"/> RemoveTag	<input type="radio"/> RemoveTag	<input type="radio"/> RemoveTag	<input type="radio"/> RemoveTag	<input type="radio"/> RemoveTag	<input type="radio"/> RemoveTag	<input type="radio"/> RemoveTag	<input type="radio"/> RemoveTag	<input type="radio"/> RemoveTag	<input type="radio"/> RemoveTag
Port 17	Port 18	Port 19	Port 20	Port 21	Port 22	Port 23	Port 24	Port 25	Port 26							
<input type="radio"/> AddTag	<input type="radio"/> AddTag	<input type="radio"/> AddTag	<input type="radio"/> AddTag	<input type="radio"/> AddTag	<input type="radio"/> AddTag	<input type="radio"/> AddTag	<input type="radio"/> AddTag	<input checked="" type="radio"/> don't care	<input checked="" type="radio"/> don't care							
<input checked="" type="radio"/> don't care	<input checked="" type="radio"/> don't care	<input checked="" type="radio"/> don't care	<input checked="" type="radio"/> don't care	<input checked="" type="radio"/> don't care	<input checked="" type="radio"/> don't care	<input checked="" type="radio"/> don't care	<input checked="" type="radio"/> don't care	<input checked="" type="radio"/> don't care	<input checked="" type="radio"/> don't care							
<input type="radio"/> RemoveTag	<input type="radio"/> RemoveTag	<input type="radio"/> RemoveTag	<input type="radio"/> RemoveTag	<input type="radio"/> RemoveTag	<input type="radio"/> RemoveTag	<input type="radio"/> RemoveTag	<input type="radio"/> RemoveTag	<input type="radio"/> RemoveTag	<input type="radio"/> RemoveTag							

Note:
 If the link partner is a network interface card, it probably cannot recognize the VLAN tag.
 In this case, it is strongly recommended the network administrator to remove the VLAN tag of the corresponding port.

4.7. Port Counter

http://192.168.21/
SmartSwitch Web-Base Co...

24Port 10/100 + 2Port Giga WebSwitch

2	4	6	8	10	12	14	16	18	20	22	24
1	3	5	7	9	11	13	15	17	19	21	23
25	26										

- Administrator
- Port Management
- VLAN Setting
- Per Port Counter
 - Port Counter
- QoS Setting
- Security
- Spanning Tree
- Trunking
- DHCP Relay Agent
- Backup/Recovery
- Miscellaneous
- SNMP Settings
- Logout

Counter Category

Port	Counter Mode Selection: <input type="button" value="Update"/>	
	<input checked="" type="radio"/> Transmit Packet & Receive Packet <input type="radio"/> Collision Count & Transmit Packet <input type="radio"/> Drop packet & Receive Packet <input type="radio"/> CRC error packet & Receive Packet	packet
01	0	0
02	0	0
03	0	0
04	0	0
05	0	0
06	0	0
07	1317	1730
08	0	0
09	0	0
10	0	0
11	0	0
12	0	0
13	0	0
14	0	0
15	0	0
16	0	0
17	0	0
18	0	0

4.8 QoS

24Port 10/100 + 2Port Giga WebSwitch

Class of Service Configuration

=Enable High Priority

Port No.\Mode	Port Base	VLAN Tag	IP / DS	Port No.\Mode	Port Base	VLAN Tag	IP / DS
1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	14	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	15	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	16	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	17	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	18	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	19	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	20	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	21	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	22	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	23	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	24	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	25	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	26	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Update

As long as any of three COS schemes(802.1p,IP TOS/DS or Port Base) is mapped to "high", the data packet will be treated as the high priority.

24Port 10/100 + 2Port Giga WebSwitch

Class of Service Configuration

Protocol	Option
FTP(20,21)	F-I-F-O
SSH(22)	Discard
TELNET(23)	Low
SMTP(25)	High
DNS(53)	F-I-F-O
TFTP(69)	F-I-F-O
HTTP(80,8080)	F-I-F-O
POP3(110)	F-I-F-O
NEWS(119)	F-I-F-O
SNTP(123)	F-I-F-O
NetBIOS(137~139)	F-I-F-O
IMAP(143,220)	F-I-F-O
SNMP(161,162)	F-I-F-O
HTTPS(443)	F-I-F-O
MSN(1863)	F-I-F-O
XRD_RDP(3389)	F-I-F-O
QQ(4000,8000)	F-I-F-O
ICQ(5190)	F-I-F-O
Y... (5250)	F-I-F-O

4.9 MAC Address Binding

24Port 10/100 + 2Port Giga WebSwitch

MAC Address Binding

Port No.	MAC Address
1	<input type="text"/> . <input type="text"/> . <input type="text"/> . <input type="text"/> . <input type="text"/> . <input type="text"/>

Select Port Binding

Note: If you enable the MAC address binding function, the address leaning function will be disabled automatically.

Port No.	Binding Status	Port No.	Binding Status
1	Disable	14	Disable
2	Disable	15	Disable
3	Disable	16	Disable
4	Disable	17	Disable
5	Disable	18	Disable
6	Disable	19	Disable
7	Disable	20	Disable
8	Disable	21	Disable
9	Disable	22	Disable
10	Disable	23	Disable
11	Disable	24	Disable
12	Disable	25	Disable

4.10 TCP/UDP Filter

24Port 10/100 + 2Port Giga WebSwitch

TCP_UDP Filter Configuration

Function Enable:

Port Filtering Rule:

Note:
 (1)The outgoing packet with selected protocol will be either forwarded or dropped at secure WAN port as the figure shown below.
 (2)"negative" means the selected protocol will be dropped and other protocols will be forwarded.
 "positive" means the selected protocol will be forwarded and other protocol will be dropped.

Protocol	FTP(20,21)	SSH(22)	TELNET(23)	SMTP(25)	DNS(53)	TFTP(69)	HTTP(80,8080)	POP3(110)
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Secure WAN port

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Note: The description of Secure WAN port is shown below.

4.11 Spanning Tree

STP Bridge Settings

24Port 10/100 + 2Port Giga WebSwitch

STP Bridge Settings

Spanning Tree Settings

STP Mode	Bridge Priority (0~61440)	Hello Time (1~10 Sec)	Max Age (6~40 Sec)	Forward Delay (4~30 Sec)
RSTP				

$Forward\ Delay - 1 \geq Max\ Age$
 $Max\ Age \geq 2 * (Hello\ Time + 1)$
 $Bridge\ Priority\ must\ be\ multiples\ of\ 4096$

Note: If you enable the MAC address binding function, the address leaning function will be disabled automatically. Then both RSTP/STP and address learning will be affected.

Bridge Status

STP Mode	Bridge ID	Hello Time	Max Age	Forward Delay
RSTP	32768:20 13 02 07 15 7F	2	20	15

Root Status

Root ID	Hello Time	Max Age	Forward Delay
I'm the root bridge!	2	20	15

STP Port Settings

24Port 10/100 + 2Port Giga WebSwitch

STP Port Settings

STP Port Settings

Port No.	Priority (0~240)	RPC (1~200000000)
1	0	0=AUTO

Priority should be a multiple of 16

STP Port Status

Port No.	RPC	Priority	State	Status	Designated Bridge	Designated Port
1	Auto:0	0x80	--	Disable	--	--
2	Auto:0	0x80	--	Disable	--	--
3	Auto:0	0x80	--	Disable	--	--
4	Auto:0	0x80	--	Disable	--	--
5	Auto:0	0x80	--	Disable	--	--
6	Auto:0	0x80	--	Disable	--	--
7	Auto:200000	0x80	Designated Port	Forwarding	--	--
8	Auto:0	0x80	--	Disable	--	--
9	Auto:0	0x80	--	Disable	--	--
10	Auto:0	0x80	--	Disable	--	--
11	Auto:0	0x80	--	Disable	--	--
12	Auto:0	0x80	--	Disable	--	--

4.12 Trunking

24Port 10/100 + 2Port Giga WebSwitch

Administrator
Port Management
VLAN Setting
Per Port Counter
QoS Setting
Security
Spanning Tree
Trunking
Link Aggregation Settings
DHCP Relay Agent
Backup/Recovery
Miscellaneous
SNMP Settings
Logout

Trunking

System Priority: 1 (1-65535)
Link Aggregation Algorithm: MAC Source
MAC: Src&Dest

Submit

Refresh

Member	Link Group 1				Link Group 2				Link Group 3	
	P1	P2	P3	P4	P5	P6	P7	P8	P25	P26
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
State	Disable				Disable				Disable	
Type	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	

Submit

Note: If you enable LACP on some specified ports and their link partners are normal port without LACP, these specified ports cannot transmit packet to/receive packet from the link partner.

4.13 DHCP Relay Agent

24Port 10/100 + 2Port Giga WebSwitch

Administrator
Port Management
VLAN Setting
Per Port Counter
QoS Setting
Security
Spanning Tree
Trunking
DHCP Relay Agent
DHCP Relay Agent
Relay Server
VLAN MAP Relay Agent
Backup/Recovery
Miscellaneous
SNMP Settings
Logout

DHCP Relay Agent

DHCP Relay State : Disable

DHCP Relay Hops Count Limit (1-16): 16

DHCP Relay Option 82 State : Disable

Update

4.14 Miscellaneous

The screenshot shows the 'Miscellaneous Setting' page in the SmartSwitch Web-Base interface. The page title is '24Port 10/100 + 2Port Giga WebSwitch'. A navigation menu on the left includes Administrator, Port Management, VLAN Setting, Per Port Counter, QoS Setting, Security, Spanning Tree, Trunking, DHCP Relay Agent, Backup/Recovery, Miscellaneous, SNMP Settings, and Logout. The main content area is divided into several sections:

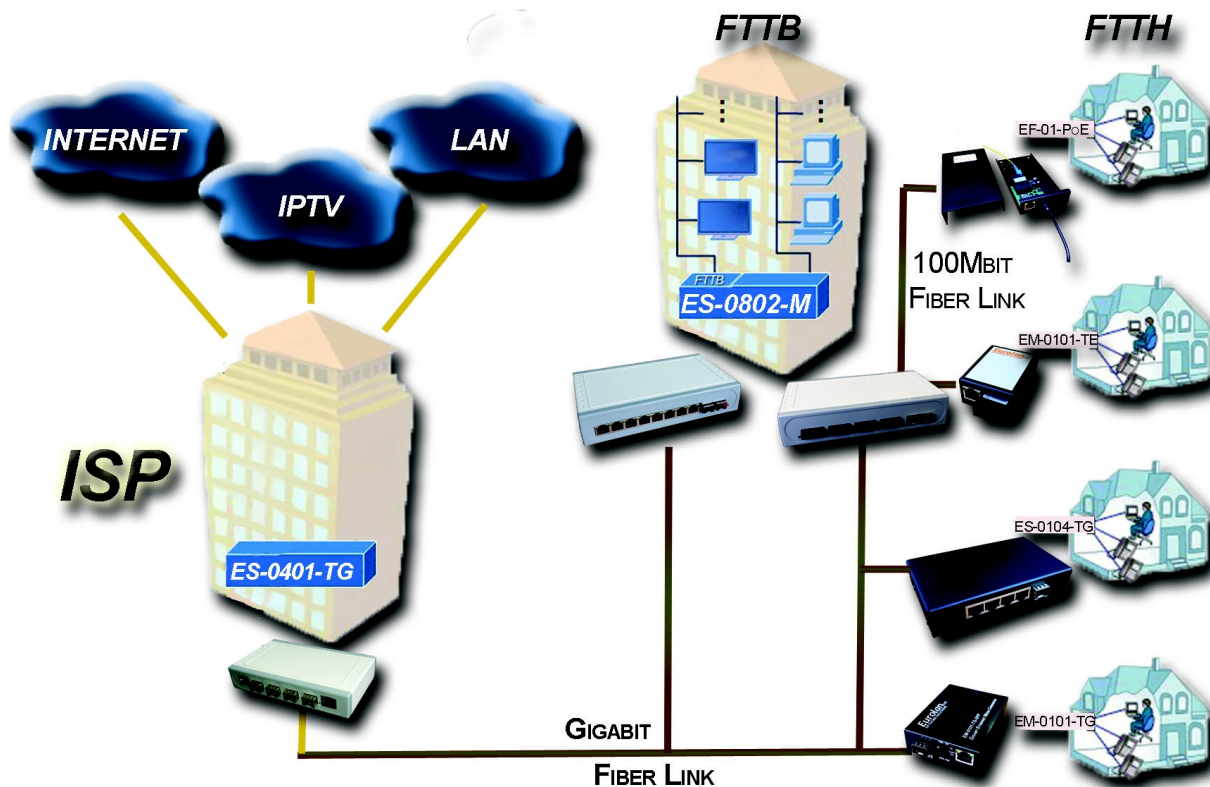
- Output Queue Aging Time:** Includes an 'Aging time' field set to 'Disable' (ms) and a descriptive text: 'The output queue aging function allows the administrator to select the aging time of a packet stored in the output queue. A packet store output queue for a long time will lower the free packet buffer, resulting in the poor utilization of the buffer and the poor switch performance.'
- VLAN Striding:** Includes a 'VLAN Striding' field set to 'Disable' and a description: 'When this function is enabled, the switch will forward a uni-cast packet to the destination port. No matter whether the destination port is VLAN group.'
- IGMP Snooping V1 & V2:** Includes an 'IGMP Snooping' field set to 'Disable' with the text 'IGMP Snooping V1 & V2 function enable' and an 'IGMP Leave Packet' field set to 'Disable' with the text 'Leave packet will be forwarded to IGMP router ports.'
- VLAN Uplink Setting:** A grid of 26 ports (Port 01 to Port 26) with radio buttons for 'Uplink1' and 'Uplink2'. Below the grid are 'Clear Uplink1' and 'Clear Uplink2' buttons.

4.15 SNMP Settings

The screenshot shows the 'SNMP Settings' page in the SmartSwitch Web-Base interface. The page title is '24Port 10/100 + 2Port Giga WebSwitch'. The navigation menu is identical to the previous page. The main content area is divided into three sections:

- Community Settings:** Includes a 'Community Name' field with 'public' and an 'Access Right' dropdown menu set to 'Read Only'. There is an 'Update' button below.
- SNMP Settings:** Includes 'System Description' (IP1826), 'System Contact' (ICPlus), and 'System Location' (ICPlus) fields. There is an 'Update' button below.
- SNMP Trap Settings:** Includes 'Trap State' (Enable), 'Enable Trap Server' (Disable), and 'Trap Server Address' fields. The 'Trap Server Status' is shown as '--'. There are 'Refresh' and 'Upadte' buttons at the bottom.

5. APPLICATION



4. ORDERING INFORMATION

ES-0802-M – plastic case

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