Port Controls

The following webpage is to provide the display and modification for the port settings. Use the dropdown in Port field to select one or multiple ports in the upper control area. The lower display area will show the port settings for the selected port(s). Use the other control fields in the upper area to modify the port settings for the selected port(s). Press Apply to save and activate the port settings.

Port Controls

Port	State	Negotiation	Speed	Duplex	Flow Control	Rate Control (Unit:128Kbps)		Security BSF	Jumbo Frame
						Up	Down		
Port1 Port2 Port3 Port4	Enable ▼	Auto ▼	1000 ▼	Full ▼	Enable ▼	0	0	☐ Enable ▼	Enable ▼

Apply

Port	State	Link	Negotiation	Speed	Duplex	Flow Control	Rate Control (Unit:128Kbps)		Security BSF	Jumbo Frame
							Up	Down		

- ◆ **State:** User can disable or enable this port.
- ◆ **Negotiation:** User can set auto negotiation mode is Auto, Nway (specify the speed/duplex on this port and enable auto-negotiation), Force of per port.
- ◆ **Speed:** User can set 1000Mbps, 100Mbps or 10Mbps speed on Port9~Port10 (depend on module card mode).
- ◆ **Duplex:** User can set full-duplex or half-duplex mode of per port.

- ◆ **Flows control:**
 Full: User can set flow control function is enable or disable in full mode.

Half: User can set backpressure is enable or disable in half mode.

◆ **Rate Control(Traffic shaping):** port1 ~ port 8, supports by-port Up(ingress) and Down(egress) rate control. For example, assume port 1 is 10Mbps, users can set its effective egress rate at 1Mbps and ingress rate at 500Kbps. Device will perform flow control or backpressure to confine the ingress rate to meet the specified rate.

◆ **Up(Ingress):** Type the port effective ingress rate. The valid range is 0 ~ 8000. The unit is 128Kbps.
0: disable rate control.
1 ~ 8000: valid rate value

◆ **Down(Egress):** Type the port effective egress rate. The valid range is 0 ~ 8000. The unit is 128Kbps.
0: disable rate control.
1 ~8000: valid rate value.

◆ **Port Security:** A port in security mode will be "locked" without permission of address learning. Only the incoming packets with SMAC already existing in the address table can be forwarded normally. User can disable the port from learning any new MAC addresses, then use the static MAC addresses screen to define a list of MAC addresses that can use the secure port. Enter the settings, and then click Apply to change on this page.

◆ **BSF:** User can disable/Enable port broadcast storm filtering option by port. The filter mode and filter packets type can be select in Switch Setting > Misc Config page.

◆ **Jumbo Frame:** User can disable/Enable port jumbo frame option by port. When port jumbo frame is enable, the port forward jumbo frame packet

Note2:

Rate control(Traffic shaping) configuration example. The valid range is 0 ~ 8000. The unit is 128Kbps.

Rate	256k	512K	1M	2M	4M	8M	10M	20M	30M	40M	50M	60M	70M	80M	90M
Up(Ingress)	2	4	8	16	32	64	80	160	240	320	400	480	560	640	720
Down(Egress)	2	4	8	16	32	64	80	160	240	320	400	480	560	640	720