

Chapter-3

Port Management



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Chapter 3 Port Management

Port management configures port mirror, port isolation, storm control and bandwidth control.

3.1 Basic Configuration

1. Click Config->Port Management->Basic Configuration

2. This page configures the Switch port status, priority, rate, MTU, and port description information.

Port Basic Settings							
Port	Status	Link	Priority	Set speed	Actual speed	MTU	Port Description (0-128 chars)
eth0/0/1	enable	down	0	auto	unknown	9600	
<input type="button" value="Refresh"/> <input type="button" value="Modify"/>							
eth0/0/1	enabled	down	0	auto	unknown	9600	
eth0/0/2	enabled	down	0	auto	unknown	9600	
eth0/0/3	enabled	down	0	auto	unknown	9600	
eth0/0/4	enabled	down	0	auto	unknown	9600	
eth0/0/5	enabled	down	0	auto	unknown	9600	
eth0/0/6	enabled	down	0	auto	unknown	9600	
eth0/0/7	enabled	down	0	auto	unknown	9600	
eth0/0/8	enabled	down	0	auto	unknown	9600	
eth0/0/9	enabled	down	0	auto	unknown	9600	
eth0/0/10	enabled	down	0	auto	unknown	9600	

Figure 3-1

3.2 Port Mirror

1. Click Config->Port Management->Port Mirror 2. This page configures the port mirror function.

Mirror Destination Port		
Mirror Destination Port	None	
Mirror Source Port		
Port	Mirrored	Direction
eth0/0/1	<input type="checkbox"/>	Both
eth0/0/2	<input type="checkbox"/>	Both
eth0/0/3	<input type="checkbox"/>	Both
eth0/0/4	<input type="checkbox"/>	Both
eth0/0/5	<input type="checkbox"/>	Both
eth0/0/6	<input type="checkbox"/>	Both
eth0/0/7	<input type="checkbox"/>	Both
eth0/0/8	<input type="checkbox"/>	Both

Figure 3-2

3.3 Port Isolation

- 1. Click Config->Port Management->Port Isolation
- 2. This page configures the port isolation function. The ports in the isolation group are isolated from each other and can only communicate with the uplink port, cannot communicate with other ports.

Port Isolation	
Port	Uplink Port List (e.g.: 2,4,7-9)
eth0/0/1	<input type="text"/>
eth0/0/2	<input type="text"/>
eth0/0/3	<input type="text"/>
eth0/0/4	<input type="text"/>
eth0/0/5	<input type="text"/>
eth0/0/6	<input type="text"/>
eth0/0/7	<input type="text"/>
eth0/0/8	<input type="text"/>
eth0/0/9	<input type="text"/>
eth0/0/10	<input type="text"/>

Figure 3-3

3.4 Storm Control

- 1. Click Config->Port Management->Storm Control
- 2. This page configures the storm control function, packets exceeding the configured speed will be discarded

Storm Control			
Port	Broadcast(unit:pps)	Multicast(unit:pps)	Unicast(unit:pps)
eth0/0/1	<input checked="" type="checkbox"/> 50000 pps	<input type="checkbox"/> <input type="text"/> pps	<input type="checkbox"/> <input type="text"/> pps
eth0/0/2	<input checked="" type="checkbox"/> 50000 pps	<input type="checkbox"/> <input type="text"/> pps	<input type="checkbox"/> <input type="text"/> pps
eth0/0/3	<input checked="" type="checkbox"/> 50000 pps	<input type="checkbox"/> <input type="text"/> pps	<input type="checkbox"/> <input type="text"/> pps
eth0/0/4	<input checked="" type="checkbox"/> 50000 pps	<input type="checkbox"/> <input type="text"/> pps	<input type="checkbox"/> <input type="text"/> pps
eth0/0/5	<input checked="" type="checkbox"/> 50000 pps	<input type="checkbox"/> <input type="text"/> pps	<input type="checkbox"/> <input type="text"/> pps
eth0/0/6	<input checked="" type="checkbox"/> 50000 pps	<input type="checkbox"/> <input type="text"/> pps	<input type="checkbox"/> <input type="text"/> pps
eth0/0/7	<input checked="" type="checkbox"/> 50000 pps	<input type="checkbox"/> <input type="text"/> pps	<input type="checkbox"/> <input type="text"/> pps
eth0/0/8	<input checked="" type="checkbox"/> 50000 pps	<input type="checkbox"/> <input type="text"/> pps	<input type="checkbox"/> <input type="text"/> pps
eth0/0/9	<input checked="" type="checkbox"/> 50000 pps	<input type="checkbox"/> <input type="text"/> pps	<input type="checkbox"/> <input type="text"/> pps
eth0/0/10	<input checked="" type="checkbox"/> 50000 pps	<input type="checkbox"/> <input type="text"/> pps	<input type="checkbox"/> <input type="text"/> pps

Figure 3-4

3.5 Bandwidth Control

- 1. Click Config->Port Management->Bandwidth Control
- 2. This page configures the ingress and egress rate of the Switch port, and the bandwidth is limited to an integer multiple of 64

Bandwidth Control		
Port	Ingress Rate	Egress Rate
eth0/0/1	<input type="text"/> kbps	<input type="text"/> kbps
eth0/0/2	<input type="text"/> kbps	<input type="text"/> kbps
eth0/0/3	<input type="text"/> kbps	<input type="text"/> kbps
eth0/0/4	<input type="text"/> kbps	<input type="text"/> kbps
eth0/0/5	<input type="text"/> kbps	<input type="text"/> kbps
eth0/0/6	<input type="text"/> kbps	<input type="text"/> kbps
eth0/0/7	<input type="text"/> kbps	<input type="text"/> kbps
eth0/0/8	<input type="text"/> kbps	<input type="text"/> kbps

Figure 3-5