Port Additional Characteristics Configuration Commands

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1.1   switchport port-security mode static

Command description

switchport port-security mode static {**accept** | **reject**}

no switchport port-security mode

Set the static mode of the security port.

1.2   switchport port-security mode dynamic

Command description

switchport port-security mode dynamic

no switchport port-security mode

Add/delete the dynamic mode of the security port.

1.3   switchport port-security static mac-address

Command description

switchport port-security static mac-address *mac-addr*

no switchport port-security static mac-address

Configure the static MAC address of the security port.

1.4   switchport port-security dynamic maximum

Command description

switchport port-security dynamic maximum *value*

no switchport port-security dynamic maximum

Add/delete the maximum number of dynamic MAC addresses of the security port.

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Chapter 2 Port Protection

2.1 switchport protected

Command description

[**no**] **switchport protected**

Configure the port isolation function.

Parameter

None

Default

The port is not isolated.

Explanation

The command must be configured in layer-2 port configuration mode.

Example

Configure port f0/1 not to forward the unknown unicast frame.

Switch(config)# interface fastethernet0/1

Switch(config-if)# switchport protected

Chapter 3   Port Storm Control

3.1   storm-control

Command description

Configure the storm control function of the port.

storm-control {**broadcast** | **multicast** | **unicast**} **threshold** *count*

no storm-control {**broadcast** | **multicast** | **unicast**} **threshold** *count*

Parameter

Parameter	Description
broadcast | **multicast** | **unicast**	Defines the storm control of the broadcast, multicast and unicast.
threshold *count*	Defines the flow percent of the storm control. The **count** parameter defines the flow caps that lead to the storm. <1-127>, n*64Kbps(n<=28);(n-27)Mbps(n>28)

Default

The storm control function is not enabled.

Explanation

The command must be configured in layer-2 port configuration mode.

Example

Set the storm control of the unknown unicast frame on port f0/1 to 192 Kbps.

Switch(config)# interface fastethernet0/1
Switch(config-f0/1)# storm-control unicast threshold 3

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Chapter 4 Port Rate Limitation

4.1 switchport rate-limit

Command description

[**no**] **switchport rate-limit** *band* { **ingress**|**egress**}

Configure the flow rate limitation for the port.

Parameter

Parameter	Description
Band	Flow rate n*64Kbps(n<=28); (n-27)Mbps(n>28)
ingress	Functions at the incoming port.
egress	Functions at the outgoing port.

Default

The port has no port rate limitation.

Explanation

Layer-2 port configuration mode

Example

Set the incoming flow rate limitation on port f0/1 to 1M.

Switch(config)# interface f0/1
Switch(config-if)# switchport rate-limit 28 ingress