

Port-car Configuration

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Chapter 1 Port-car Configuration

1.1 Port-car Overview

Port-car can protect switch from packet attacking whose destination MAC begins with 01:80:c2. Most of L2 protocol packets (such as BPDU packets of STP) whose destination MAC begins with 01:80:c2 will send to CPU. After enabling Port-car, the packet rate will be controlled under the configured threshold.

Table 1-1 summarizes common protocol packets whose destination MAC begins with 01:80:c2.

Table 1-1 protocol packets begin with 01:80:c2

MAC	Protocol
01-80-c2-00-00-00	BPDU packet
01-80-c2-00-00-01	Suspended Flow-control packet
01-80-c2-00-00-02	802.3ad LACP packet
01-80-c2-00-00-03	802.1X packet
01-80-c2-00-00-0e	LLDP packet
01-80-c2-00-00-10	Flexlink MMU packet
01-80-c2-00-00-20	GMRP packet
01-80-c2-00-00-21	GVRP packet

1.2 Configure Port-car

Perform following commands in global configuration mode.

Table 1-2 Configure port-car

Operation	Command	Description
Enter global configuration mode	configure terminal	
Enable global port-car	port-car	By default, port-car is enabled.
Configure global port-car rate	port-car-rate <i>rate-value</i>	By default, the rate is 840pps.
Enter interface configuration mode	interface ethernet <i>interface-num</i>	-
Enable port-car(in interface configuration mode)	port-car	By default, port-car is enabled in each FE port.
Configure interface port-car rate	port-car-rate <i>rate</i>	By default, the rate is 30pps.

1.3 Display and Debug of Port-car

Use the following command in any configuration mode to check the configuration.

Table 1-3 Display and debug of Port-car

Operation	Command
Display port-car status	show port-car

1.4 Port-car Configuration Example

!Enable global port-car and configure global rate to be 200pps:

```
Switch#configure terminal
```

```
Switch(config)#port-car
```

```
Switch(config)#port-car-rate 200
```

!Enable port e0/1/1 port-car and configure rate to be 50pps:

```
Switch(config)#interface ethernet 0/1/1
```

```
Switch(config-if-ethernet-0/1/1)#port-car
```

```
Switch(config-if-ethernet-0/1/1)#port-car-rate 50
```