SNR-S2970G-48S Interface Physical Characteristic Configuration Commands

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1.1   Interface Physical Characteristic Configuration Commands

Interface physical characteristic configuration commands include：

- speed
- duplex
- flow-control

1.1.1   Speed

Description

To configure the speed for the interface, use the speed command. To disable a speed setting, use the no form of this command.

speed {*10 | 100 | 1000 |auto* }

no speed

Parameter

parameter	description
10, 100, 1000	Configures the interface to transmit at 10M、100M、1000M。
auto	Turns on the Fast Ethernet auto-negotiation capability.

Default

TX interface is auto-negotiation operation, gigabit TX interface is 1000M, gigabit optical interface is 1000M

Instruction

Use this command in the layer 2 interface configuration mode.

Note：

The optical interface speed is fixed. The auto parameter following the speed command indicates that this interface can enable auto-negotiation feature, or the auto-negotiation cannot be configured on the interface.

Example

The following example sets the interface g0/1 speed to 100M:

Switch (config)# interface GigaEthernet0/1
Switch (Switch_config_g0/1)# speed 100

1.1.2 Duplex

Description

To configure the duplex operation on an interface, use the duplex command.

duplex {*auto | full | half* }

no duplex

Parameter

parameter	description
auto	Specifies the auto-negotiation operation.
full	Specifies the full-duplex operation.
half	Specifies the half-duplex operation.

Default

Tx interface is auto-negotiation operation, optical interface is full-duplex operation.

Instruction

Use this command in the layer 2 configuration mode.

Note：

The duplex operation of the optical interface is fixed, that is, full-duplex operation.

Example

The following example configures interface g0/1 to full-duplex operation:

Switch (config)# interface GigaEthernet0/1
Switch (config-if)# duplex full

1.1.3 Flow control

Description

To configure flow control on an interface, use the flow control command. Use the no form of this command to disable the flow control.

flow-control{*on | off*}

no flow-control

Parameter

parameter	description
on	Enables flow control
off	Disables flow control.

Default

disabled

Instruction

Use this command in the layer 2 configuration mode.

Example

The following example enables the flow-control on an interface:

Switch (config-if)# flow-control on