

Interface Physical Characteristic Configuration Commands



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Chapter 1 Interface Physical Characteristic Configuration Commands

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
<i>on</i>	Enables flow control
<i>off</i>	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