

## Optical Port Additional Function Configuration Commands

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# Chapter 1 Optical Port Additional Function Configuration Commands

## 1.1 Configure the DDM Function

### 1.1.1 ddm enable

#### Syntax

To enable DDM detection function of the optical port, use **ddm enable** command.

**ddm enable**

#### Parameter

Parameter	Description
<i>enable</i>	Enable optical port ddm detection.

#### Default

None

#### Command mode

Global configuration mode

#### Example

ddm enable

### 1.1.2 no ddm

#### Syntax

**no ddm**

To disable DDM detection function of the optical port, use **no ddm** command.

**Parameter**

None

**Default**

None

**Command mode**

Global configuration mode

**Example**

The following example shows how to disable DDM detection function of the optical port.

```
Switch-config#no ddm
```

## 1.2 Configure the single-fiber transceiver function of the optical port

### 1.2.1 single-fiber one-way

**Syntax**

To configure the transceiver function of the optical fiber, use the following command.

```
single-fiber one-way <tx|rx>
```

```
no single-fiber
```

**Parameter**

Parameter	Description
<i>tx</i>	Configure the port to work in single-fiber transmission mode.
<i>rx</i>	Configure the port to work in single-fiber receiving mode.

**Default**

None

## Command mode

None

## Example

The following example shows how to configure single-fiber transmission mode isolation on port g0/1.

```
Switch_config_g0/1#single-fiber one-way tx
```

The following example shows how to cancel single fiber mode of port g0/1.

```
Switch_config_g0/1#no single-fiber
```

## 1.3 Optical module auto-configuration

### 1.3.1 fiber-auto-config

## Syntax

To enable the storm control function of the port, use the following command.

```
fiber-auto-config {full}
```

## Parameter

Parameter	Description
<b>full</b>	When switching to gigabit mode mode, configure in forced mode.
<i>None</i>	When switching to gigabit mode, configure in adaptive mode.

## Default

None

## Command mode

Interface configuration mode

## Example

The following example enables the optical module auto-configuration on interface g0/1, and use the adaptive mode in gigabit mode.

```
Switch_config#interface g0/1
```

```
Switch_config_g0/1#fiber-auto-config
```

The following example enables the optical module auto-configuration on interface g0/1, and use the forced mode in gigabit mode.

```
Switch_config#interface g0/1
```

```
Switch_config_g0/1#fiber-auto-config full
```

The following example cancels optical module auto-configuration of interface g0/1.

```
Switch_config#interface g0/1
```

```
Switch_config_g0/1#no fiber-auto-config
```

**Note:**

When using a Gigabit optical conversion module that supports 10/100/1000M mode, you must configure this command in adaptive mode. When using a Gigabit optical conversion module that only supports the 1000M mode, you do not need to configure this command.