

## FlexLinkLite Configuration Commands

# Table of Contents

Chapter 1 FlexLinkLite Configuration Commands ..... 1

    1.1 FlexLinkLite Commands ..... 1

        1.1.1 switchport backup interface as ..... 1

        1.1.2 switchport backup interface preempt ..... 2

        1.1.3 switchport backup interface tcn ..... 3

        1.1.4 show backup interfaces ..... 4

## Chapter 1 FlexLinkLite Configuration Commands

### 1.1 FlexLinkLite Commands

#### 1.1.1 switchport backup interface as

To set another port as a backup port for one port, run the following command:

**switchport backup interface** *backup-intf-name* **as** [**active** | **backup**]

To delete the backup port group, run the following command:

**no switchport backup interface**

##### Parameter

Parameter	Description
backup-intf-name	Stands for the name of a backup port, such as G0/1 or F0/10.
active	Stands for the active port, to which <b>backup-intf-name</b> corresponds, when the current port is a backup one..
backup	Stands for the backup port, to which <b>backup-intf-name</b> corresponds, when the current port is an active one.

##### Default value

In the default settings, no port has its backup port.

##### Command mode

Physical interface configuration mode or aggregation port configuration mode

##### Instruction

- A pair of ports, which back up each other, can be two physical ports, or a physical port and an aggregation port, or two aggregation ports.
- The port on which FlexLinkLite is set cannot be used for STP calculation or EAPS settings.
- After **switchport backup interface** is set on an interface, the corresponding settings will automatically generate on the backup port without any manual operations.

## Example

The following example shows how to set interface G0/2 to be the backup interface of interface G0/1, which blocks the data from being forwarded.

```
Switch# config
Switch_config# interface gigaEthernet 0/1
Switch_config_g0/1# switchport backup interface g0/2 as backup
```

## Related command

This command is used to browse the state of the backup port group.

**show backup interfaces**

### 1.1.2 switchport backup interface preempt

To set the preempt mode of a backup port, run the following command:

**switchport backup interface preempt mode [none | role]**

To set the preempt delay of a backup port, run the following command:

**switchport backup interface preempt delay [immediately | *time-sec*]**

To resume the default value of the preempt delay, run the following command:

**no switchport backup interface preempt delay**

## Parameter

Parameter	Description
none	Sets the preempt mode to be not a preempt mode.
role	Sets the preempt mode to be a role-based one, which is the default configuration.
immediately	Sets the delay time of the preempt to be no delay, that is, immediate preempt.
time-sec	Sets the delay time of preempt, which ranges between 1 and 600 seconds and whose default value is 3 seconds.

## Default value

In the default settings, the preempt mode of a backup port is a role-based one and its delay time is 3 seconds.

## Command mode

Physical interface configuration mode or aggregation port configuration mode

**Instruction**

None

**Example**

The following example shows how to set the default role-based preempt and how to set the delay time to 15 seconds.

```
Switch_config_g0/1# switchport backup interface preempt delay 15
```

**Related command**

This command is used to browse the state of the backup port group.

**show backup interfaces**

**1.1.3 switchport backup interface tcn**

To set a port to forward the TCN packets, run the following command:

**switchport backup interface tcn transmit**

To forbid a port to forward the TCN packets, run the following command:

**no switchport backup interface tcn transmit**

To allow a port to receive and process the TCN packets, run the following command:

**switchport backup interface tcn accept**

To forbid a port to receive and process the TCN packets, run the following command:

**no switchport backup interface tcn accept**

**Parameter**

None

**Default value**

In the default settings, a port does not receive or transmit the TCN packets.

**Command mode**

Physical interface configuration mode or aggregation port configuration mode

## Instruction

The **transmit** command can be enabled on the device with a configured backup port. When a backup port is switched, it will transmit the TCN packets.

The **accept** command can be enabled on the uplink device. If this command is enabled on a uplink device, it can receive the TCN packets and delete the MAC addresses that are learned by the downlink port.

## Example

The following example shows how to make related settings to enable the TCN packets to be transmitted.

```
Switch_config_g0/1# switchport backup interface tcn transmit
```

The following example shows how to make related settings to enable the TCN packets to be received.

```
Switch_config# interface range g0/10 , 11
```

```
Switch_config_if_range# switchport backup interface tcn accept
```

## Related command

None

### 1.1.4 show backup interfaces

To browse the state of the backup port group, run the following command:

**show backup interfaces**

## Parameter

None

## Default value

None

## Command mode

Monitor mode or global mode

## Instruction

None

## Example

The following example shows how to browse the status of the backup port group:

Switch\_config# show backup interfaces

Backup interface pairs:

Active	Backup	State	Preemption
-----			
G0/1	G0/2	Active Up/Backup standby	Role/15/0