FlexLinkLite Configuration Commands

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Chapter 1 FlexLinkLite Configuration Commands

1.1 FlexLinkLite Commands

1.1.1 Setting the Backup Port

To set another port as the backup of an existing 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 **backup-intf-name** corresponds, when the current port is a backup one..
backup	Stands for the backup port, to which **backup-intf-name** corresponds, when the current port is an active one.

Explanation

- 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 gigaEthernet0/1
        Switch_config_g0/1# switchport backup interface g0/2 as backup
```

Related command

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

show backup interfaces

1.1.2 Setting the Preempt Mode of a Backup Port

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

Explanation

N/A

Example

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

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

Related command

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

show backup interfaces

1.1.3 Setting the Transmission and Reception of TCN Packets

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

N/A

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

Explanation

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 g0/1 , 2
Switch_config_if_range# switchport backup interface tcn accept
```

Related command

N/A

1.1.4 Browsing the State of the Port Backup Group

show backup interfaces

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

show backup interfaces

Parameter

N/A

Default value

N/A

Command mode

Monitor mode or global mode

Explanation

N/A

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
```