

Small form-factor pluggables

Small Form-Factor Pluggables (SFPs) that are not Cisco certified are called third-party SFPs. Cisco approved means the SFPs have undergone rigorous testing with Cisco products and the SFPs are guaranteed to have 100% compatibility.

Note Cisco does not provide any kind of support for the third-party SFPs because they are not validated by Cisco.

- Configuring third-party SFPs, on page 1

Configuring third-party SFPs

Third-party SFPs are manufactured by companies that are not on the Cisco-approved Vendor List (AVL). Currently, Cisco 8100 Series Secure Routers support only Cisco-approved SFPs.

Procedure

	Command or Action	Purpose
Step 1	**configure terminal** **Example:** `Router# configure terminal`	Enters global configuration mode.
Step 2	**service unsupported-transceiver** **Example:** `Router(config)# service unsupported-transceiver`	Enables third-party SFP support.
Step 3	**interface type** *slot subslot port number* **Example:** `Router(config-if)# interface ethernet 0/3/0`	Selects an interface to configure.
Step 4	**media-type sfp** **Example:** `Router(config-if)#media-type sfp`	Changes media type to SFP.

	Command or Action	Purpose
Step 5	**speed** *value* **Example:** `Router# speed 100`	Configures the speed of the interface. **Note** For 100BASE SFPs, configure the speed to 100 Mbps only. Similarly, for 1000BASE SFPs, configure the speed to 1000 Mbps only.
Step 6	**shutdown** **Example:** `Router(config)# shutdown`	Disables the interface, changing its state from administratively UP to administratively DOWN.
Step 7	**no shutdown** **Example:** `Router(config-if)# no shutdown`	Enables the interface, changing its state from administratively DOWN to administratively UP.
Step 8	**exit** **Example:** `Router(config-if)#exit`	Exits the configuration mode and returns the global configuration mode.

Examples

This example shows how to configure a third-party SFP on Cisco 8100 Series Secure Routers:

```
Router# configure terminal
Router(config)# interface ethernet 0/3/0
Router(config-if)# service unsupported-transceiver
Router(config)# interface ethernet 0/3/0
Router(config-if)# media-type sfp
Router(config-if)# speed 100
Router(config-if)# shutdown
Router(config-if)# no shutdown
Router(config-if)# exit
Router(config)# exit
```