



## Small Form-Factor Pluggables for Cisco ISR1000

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.

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### Configuring Third-Party SFPs

Third-party SFPs are manufactured by companies that are not on the Cisco-approved Vendor List (AVL). Currently, Cisco ISR1000 routers support only Cisco-approved SFPs. From Cisco IOS XE Fuji 16.9.1, Cisco ISR1000 routers recognize third-party SFPs.

#### Procedure

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

	Command or Action	Purpose
<b>Step 4</b>	<b>media-type sfp</b> <b>Example:</b> Router(config-if)#media-type sfp	Changes media type to SFP.
<b>Step 5</b>	<b>speed value</b> <b>Example:</b> Router# speed 100	Configures the speed of the interface. <b>Note</b> For 100BASE SFPs, configure the speed to 100 Mbps only. Similarly, for 1000BASE SFPs, configure the speed to 1000 Mbps only.
<b>Step 6</b>	<b>shutdown</b> <b>Example:</b> Router(config)# shutdown	Disables the interface, changing its state from administratively UP to administratively DOWN.
<b>Step 7</b>	<b>no shutdown</b> <b>Example:</b> Router(config-if)# no shutdown	Enables the interface, changing its state from administratively DOWN to administratively UP.
<b>Step 8</b>	<b>exit</b> <b>Example:</b> 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 a Cisco ISR1000 Series Router:

```
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
```