

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.

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

Command or Action	Purpose	
media-type sfp	Changes media type to SFP.	
Example:		
Router(config-if) #media-type sfp		
speed value	Configures the speed of the interface.	
Example: Router# speed 100	Note For 100BASE SFPs, configure the speed to 100 Mbps only. Similarly, for 1000BASE SFPs, configure the speed to 1000 Mbps only.	
shutdown	Disables the interface, changing its state from administratively UP to administratively DOWN	
Example:		
Router(config)# shutdown		
no shutdown	Enables the interface, changing its state from	
Example:	administratively DOWN to administratively UP.	
Router(config-if)# no shutdown	Or.	
exit	Exits the configuration mode and returns the	
Example:	global configuration mode.	
Router(config-if)#exit		
	media-type sfp Example: Router(config-if)#media-type sfp speed value Example: Router# speed 100 shutdown Example: Router(config)# shutdown no shutdown Example: Router(config-if)# no shutdown exit Example:	

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
```