



2nd L3 WAN Port for IR1101

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From Cisco IOS XE Release 17.15.1, the IR1101 routers support the Layer 2 G0/0/5 interface as a WAN port, in addition to the existing Layer 3 G0/0/0 interface. This enhancement allows the default Layer 2 interface G0/0/5 to be converted into a Layer 3 WAN port.

Benefits of an Additional WAN Port

- Supports multi-backhaul use cases such as [Cisco Catalyst SD-WAN High Availability \(HA\) capability without cellular connectivity](#).
- Enables Layer 3 back-to-back ring connections to maintain network resilience and optimize traffic flow.
- Provides dual functionality to increase flexibility in network design, accommodating scenarios that require additional routed interfaces without the need for extra hardware.

Supported Expansion Modules

- [IRM-1100-SPMI](#)
- [IRM-1100-SP](#)

Configure the Layer 3 WAN Port

Use the **no switchport** command to convert the interface G0/0/5 to Layer 3 interface, as shown in the procedure below:

```
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface g0/0/5
Router(config-if)#no switchport
Router(config-if)#end
```

Verify the Layer 3 WAN Port

Use the **show run interface** command to verify that Layer 3 interface is ready to be configured.

```
Router#show run interface g0/0/5
Building configuration...
Current configuration : 68 bytes
!
interface GigabitEthernet0/0/5
no switchport
no ip address
end
```

You can now assign an IP address to the interface G0/0/5.

Configure the Layer 2 Interface

Use the **switchport** command to switch interface G0/0/5 from Layer 3 to Layer 2 mode, as shown in the procedure below:

```
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface g0/0/5
Router(config-if)#switchport
Router(config-if)#end
```