



Configuring MultiGigabit Ports on WS-C3560CX-8PD-S

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Finding Feature Information

Your software release may not support all the features documented in this module. For the latest caveats and feature information, see Bug Search Tool and the release notes for your platform and software release. To find information about the features documented in this module, and to see a list of the releases in which each feature is supported, see the feature information table at the end of this module.

Use Cisco Feature Navigator to find information about platform support and Cisco software image support. To access Cisco Feature Navigator, go to <http://www.cisco.com/go/cfn>. An account on Cisco.com is not required.

Overview of MultiGigabit Ports

Cisco's Multigigabit Ethernet technology allows you to leverage 802.11ac Wave 2 speeds on your device. Beginning with Cisco IOS XE 3.7.E1 and IOS 15.2(3) E1, you can configure the WS-C3560CX-8XPD-S module to auto-negotiate multiple speeds on switch ports, and support 100 Mbps, 1 Gbps, 2.5 Gbps, and 5 Gbps speeds on Category 5e cables, and up to 10 Gbps over Category6 and Category 6A cables.

The WS-C3560CX-8XPD-S module has 8 ports, of which the 6 ports are 1-Gigabit Ethernet ports and 2 ports are the Multi-Gigabit ports. The module also has 2 SFP+ ports.

Restrictions for MultiGigabit Ports

The following restrictions apply:

- MultiGigabit ports do not support 10Mbps speed.
- MultiGigabit ports do not support half-duplex mode.
- MultiGigabit ports do not support EEE.

Supported Cable Types and Maximum Length

The following table lists the types of cables and the maximum length of cables supported on the Multigigabit ports.

| Cable Type | 100M | 1G | 2.5G | 5G | 10G |
|------------|------|-----|------|-----|-----------------|
| Category5E | Yes | Yes | Yes | Yes | Not Available |
| Category6 | Yes | Yes | Yes | Yes | Yes (55 meters) |
| Category6A | Yes | Yes | Yes | Yes | Yes |

Setting the Interface Speed

To set port speed to 100Mbps/1000Mbps/2500Mbps/5000Mbps/10000Mbps on a Multigigabit Ethernet interface (on a 1000Base-T port), perform this task:



Note Only 2 ports on the WS-C3560CX-8XPD-S module support Multigigabit Ethernet.

SUMMARY STEPS

1. **enable**
2. **configure terminal**
3. **interface tengigabitethernet slot/interface**
4. **speed [100 | 1000 | 2500 | 5000 | 10000 | auto [100 | 1000 | 2500 | 5000 | 10000]]**
5. **end**

DETAILED STEPS

| | Command or Action | Purpose |
|---------------|---|--|
| Step 1 | enable Example: SwitchDevice> enable | Enables privileged EXEC mode. Enter your password if prompted. |
| Step 2 | configure terminal Example: | Enters the global configuration mode. |

| | Command or Action | Purpose |
|---------------|--|--|
| | SwitchDevice# configure terminal | |
| Step 3 | interface tengigabitethernet <i>slot/interface</i> Example: SwitchDevice (config)# interface tengigabitethernet <i>1/0/2</i> | Specifies the interface to be configured. |
| Step 4 | speed [<i>100 1000 2500 5000 10000 auto [100 1000 2500 5000 10000]</i>] Example: SwitchDevice (config-if)# speed 5000 | Sets the interface speed. Note 10G speed is supported only on Category6 and Category6A cables. |
| Step 5 | end Example: SwitchDevice (config)# end | Returns to privileged EXEC mode. |

What to do next

To restore autonegotiation (default setting), enter the **no speed** command in the interface configuration mode.

Related Topics

[Examples: Setting the Interface Speed](#), on page 3

Examples: Setting the Interface Speed

This example shows how to set the interface speed to 5G on the Multigigabit Ethernet interface 1/0/2:

```
SwitchDevice (config)# interface tengigabitethernet 1/0/2
SwitchDevice (config-if)# speed 5000
```

This example shows how to allow the Multigigabit Ethernet interface 1/0/2 to autonegotiate the speed and duplex mode:

```
SwitchDevice (config)# interface gigabitethernet 1/0/2
SwitchDevice (config-if)# speed auto
```

This example shows how to limit speed negotiation to 2.5G on the Multigigabit Ethernet interface 1/0/1:

```
SwitchDevice (config)# interface gigabitethernet 1/0/1
SwitchDevice (config-if)# speed auto 2500
```

Related Topics

[Setting the Interface Speed](#), on page 2

