



## Flexi License

Flexi license allows you to select the port of your choice . When you buy a chassis few ports are enabled for free of charge (4\*1G ports are enabled by default). With this license in place, you can choose the ports of your choice to activate additional 4\*10G ports on the chassis.

By deactivating the enabled port, you can activate other ports of your choice.



---

**Note** Flexi Licensing is applicable for 10G ports only.

---



---

**Note** This license upgrade will not disturb the existing port state.

---

- [Prerequisites for Flexi Licensing, on page 1](#)
- [Flexi license restrictions for dual rate ports, on page 1](#)
- [Information about Flexi Licensing, on page 2](#)

## Prerequisites for Flexi Licensing

Before activating this license, you must obtain and install the license. For information on obtaining and installing licenses, see [Configuring the Cisco IOS Software Activation Feature](#).

## Flexi license restrictions for dual rate ports

- If 10G license is installed for a dual rate port and SFP is inserted in that port, the interface will come up in 1G mode.
- If 10G license is installed for a dual rate port and SFP+ is inserted in that port, the interface will come up in 10G mode.
- If 10G license is **not** installed for particular port and SFP is inserted, the interface will come up in 1G mode.
- If there is a 10G license and SFP+ is inserted in the chassis(for the ports Te0/0/4–Te0/0/7), Te0/0/4–Te0/0/7 will come up in 10G mode.

- If sufficient 10G licenses are not available for a port and an SFP+ is inserted, the 10G mode is not enabled. The interface will be in 'link down state' and the following system warning message will be generated.  
Warning: SFP+ inserted at port X tengig license not in use

## Information about Flexi Licensing

With this license, you can choose the ports of your choice to activate 4 ports on the chassis.

Below table displays the details of the licensed and non licensed ports on different models of the Cisco NCS 520 series.

| Cisco NCS 520 Series models                 | 1G ports   | 10G ports  |
|---|--|--|
| N520-4G4Z-A<br>N520-X-4G4Z-A<br>N520-X-4G4Z | All 4 ports will operate in 1G mode by default and no license is required to activate these ports. | 4 SFP + will operate in 10G mode depending on the license count.<br>License count 1: Any 2 SFP+ will operate in 10G mode.<br>License count 2: All 4 SFP+ (ports 4-7) will operate in 10G mode. |