



Inserting and Removing 8000 Series Modules

The 8000 Series appliances allow for modular flexibility in your deployment. Use the steps in this section to:

- insert a new module into an appliance
- remove or replace a preinstalled module on an appliance

The following sections describe how to insert, remove, or replace an 8000 Series module:

- [Module Slots on the 8000 Series Appliances, page C-1](#)
- [Included Items, page C-3](#)
- [Identifying the Module Parts, page C-4](#)
- [Before You Begin, page C-4](#)
- [Removing a Module or Slot Cover, page C-5](#)
- [Inserting a Module or Slot Cover, page C-6](#)

Module Slots on the 8000 Series Appliances

The 8000 Series appliances can use the modules in the following slots:

- [81xx Family, page C-1](#)
- [82xx Family and 83xx Family, page C-2](#)

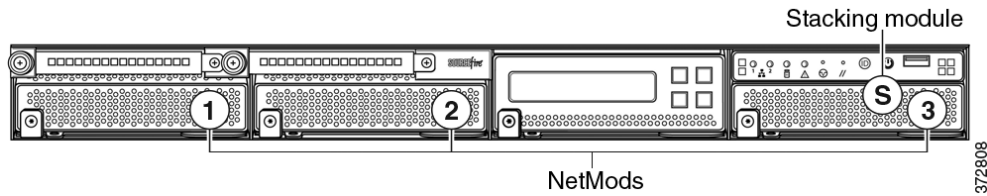
After you insert the modules into your appliance, see the following sections for more information on using the modules:

- For information on configuring the sensing interfaces, see [Identifying the Sensing Interfaces, page 4-5](#).
- For information on using the stacking module, see [Using Devices in a Stacked Configuration, page 4-17](#).

81xx Family

The 81xx Family appliances can use the modules in the following slots:

Figure C-1 81xx Family Primary Device



Stacking Configuration Considerations

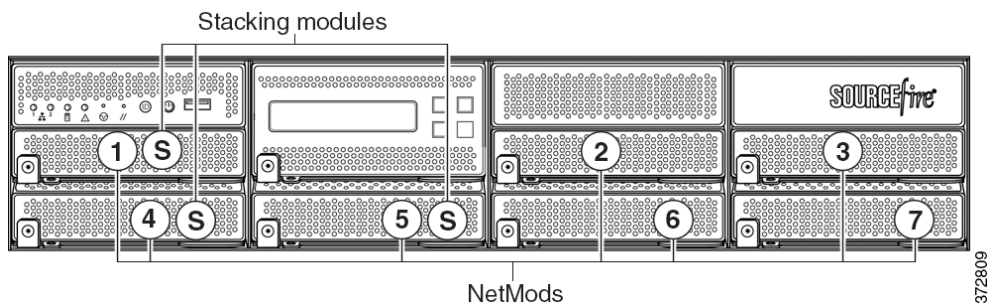
Configure the modules as follows for stacked devices:

- Install NetMods on the primary device only.
- Install one stacking module on the primary device and one stacking module on the secondary device.
- Register all devices as single devices, stack them, and never remove or disable the management interfaces for stacked secondary devices.

82xx Family and 83xx Family

The 82xx Family and 83xx Family appliances can use the modules in the following slots:

Figure C-2 82xx Family and 83xx Family Primary Device

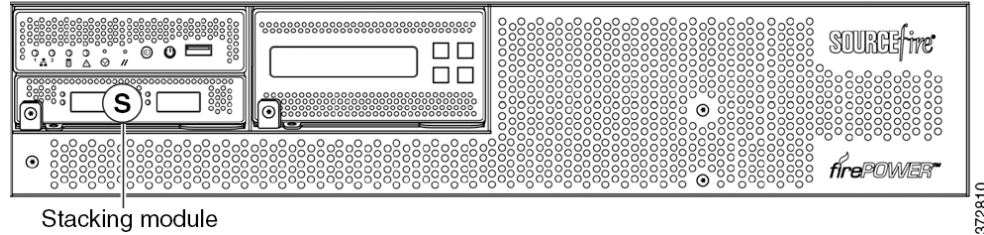


Stacking Configuration Considerations

Configure the modules as follows for stacked devices:

- Install NetMods on the primary device only.
- Install one stacking module on the primary device for each stacked secondary device, and one stacking module on each secondary device.
- Register all devices as single devices, stack them, and never remove or disable the management interfaces for stacked secondary devices.

Figure C-3 82xx Family and 83xx Family Secondary Device



Included Items

Your module assembly kit includes a T8 Torx screwdriver and one or more of the following modules:

- quad-port 1000BASE-T copper configurable bypass NetMod. For more information, see [Quad-Port 1000BASE-T Copper Configurable Bypass NetMod, page 7-51](#).
- quad-port 1000BASE-SX fiber configurable bypass NetMod. For more information, see [Quad-Port 1000BASE-SX Fiber Configurable Bypass NetMod, page 7-52](#).
- dual-port 10GBASE (MMSR or SMLR) fiber configurable bypass NetMod. For more information, see [Dual-Port 10GBASE \(MMSR or SMLR\) Fiber Configurable Bypass NetMod, page 7-54](#).
- dual-port 40GBASE-SR4 fiber configurable bypass NetMod. For more information, see [Dual-Port 40GBASE-SR4 Fiber Configurable Bypass NetMod, page 7-55](#).



Note

Use this dual-slot NetMod only on the 40G-capacity 3D8250 or 3D8350. If you need to upgrade your appliance, see the *Cisco 8000 Series Device 40G Capacity Upgrade Guide*.

- quad-port 1000BASE-T copper non-bypass NetMod. For more information, see [Quad-Port 1000BASE-T Copper Non-Bypass NetMod, page 7-56](#).
- quad-port 1000BASE-SX fiber non-bypass NetMod. For more information, see [Quad-Port 1000BASE-SX Fiber Non-Bypass NetMod, page 7-57](#).
- quad-port 10GBASE (MMSR or SMLR) fiber non-bypass NetMod. For more information, see [Quad-Port 10GBASE \(MMSR or SMLR\) Fiber Non-Bypass NetMod, page 7-58](#).



Caution

The quad-port 10GBASE fiber non-bypass NetMod contains non-removable small form factor pluggable (SFP) transceivers. Any attempt to remove the SFPs can damage the module.

- stacking module. For more information, see [Stacking Module, page 7-59](#).

If you install a NetMod in an incompatible slot on your appliance or a NetMod is otherwise incompatible with your system, an error or warning message appears in the web interface on the managing Defense Center when you attempt to configure the NetMod. Contact support for assistance.



Note

Replacing a NetMod can alter the configuration of a fully configured Korean-certified (KCC mark) appliance. For more information, see the original configuration documentation for your appliance and the *Regulatory Compliance and Safety Information for FirePOWER and FireSIGHT Appliances* document.

Identifying the Module Parts

All modules contain the same parts, regardless of sensing interface, speed, or size of the module.

Figure C-4 Sample Module or Slot Cover (open)

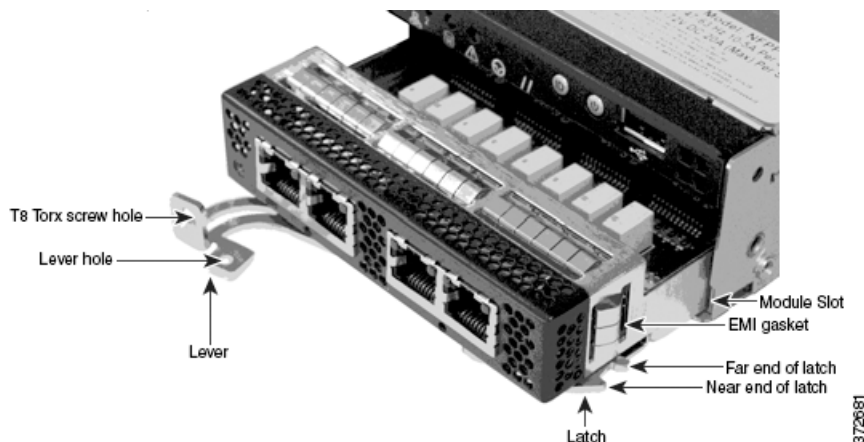
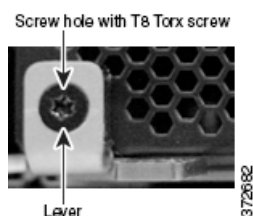


Figure C-5 Sample Module Lever (closed with screw in hole)



Before You Begin

Prepare to insert or remove your module using the following guidelines:

- Identify all appliance and module parts.
- Identify the slots where you want to install your NetMods.



Tip

You can insert the NetMod into any available, compatible slot.

- Identify the correct slots for your stacking modules. See [Using Devices in a Stacked Configuration, page 4-17](#).
- 3D8140: slot 3
- 3D8250, 3D8260 and 3D8350, 3D8360 primary slot: slot 5
- 3D8270 and 3D8370 primary slots: slots 5 and 1
- 3D8290 and 3D8390 primary slots: slots 5, 1, and 4
- 3D82xx and 3D83xx secondary: slot S
- Confirm that the EMI gaskets are in place.

- Unplug all power cords from the appliance.

**Caution**

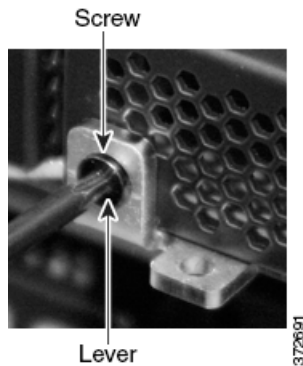
You **cannot** hot-swap modules. You must power down and unplug **both** power cords from the appliance before inserting or removing modules.

Removing a Module or Slot Cover

Use proper electrostatic discharge (ESD) practices such as wearing wrist straps and using an ESD work surface when handling the modules. Store unused modules in an ESD bag or box to prevent damage.

To remove a module or slot cover:

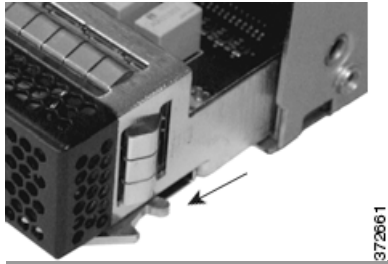
- Step 1** Remove and reserve the T8 Torx screw from the lever of the module using the included screwdriver.



- Step 2** Pull the lever away from the module to release the latch.



- Step 3** Slide the module out of the slot.

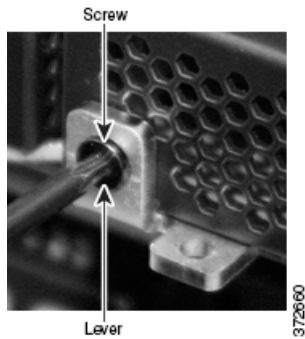


Inserting a Module or Slot Cover

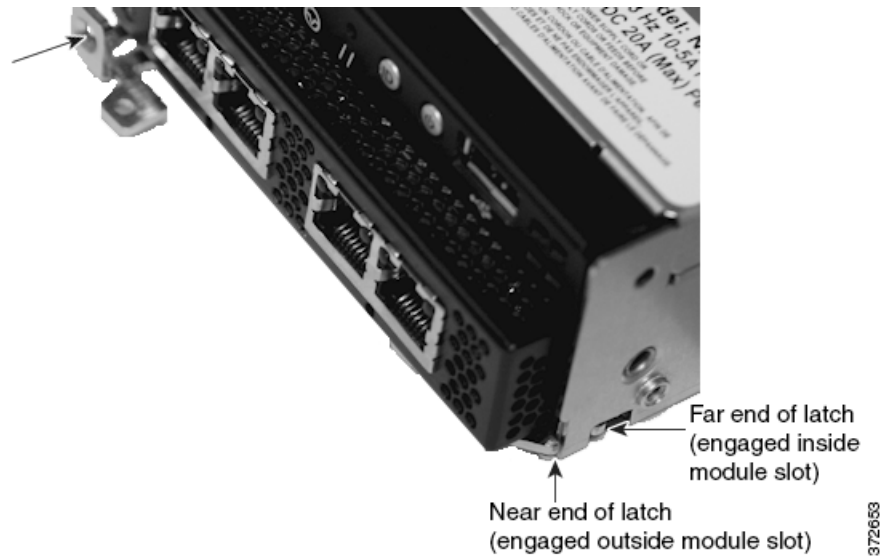
Remove the existing module or slot cover to prepare the slot for a new module. See [Removing a Module or Slot Cover](#), page C-5 for more information.

To insert a module or slot cover:

- Step 1** Remove and reserve the T8 Torx screw from the lever of the module using the included screwdriver.

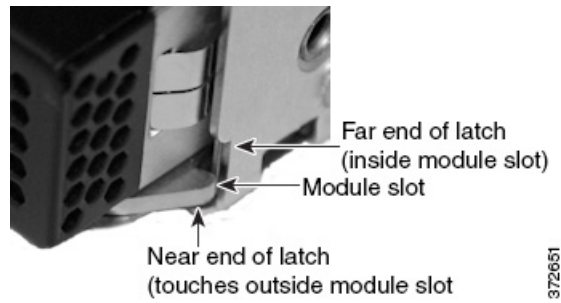


- Step 2** Pull the lever away from the module to open the latch. The near end of the latch is visible. The far end of the latch is inside the module.

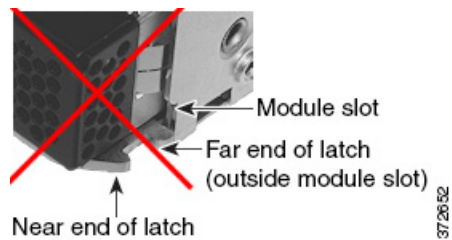


Step 3 Insert the module into the slot until the far end of the latch is inside the slot and the near end of the latch touches the outside of the module slot.

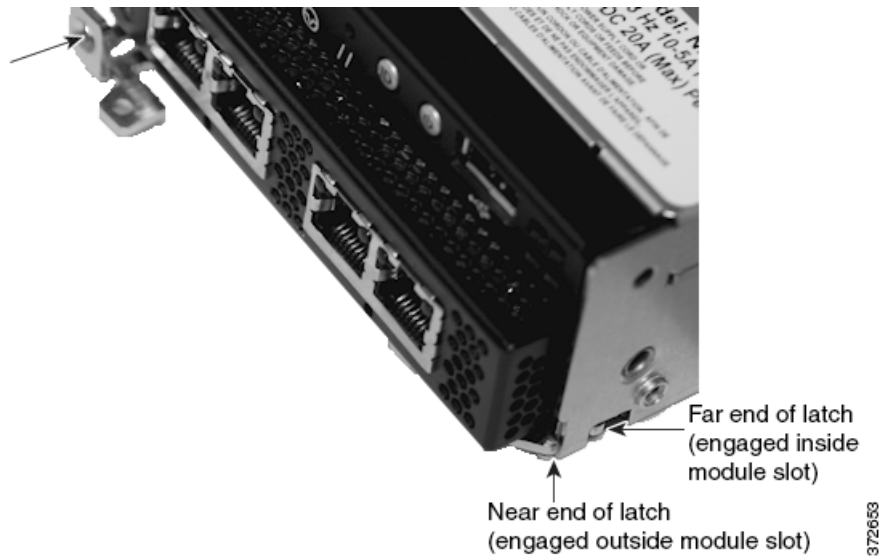
Correct module alignment



Incorrect module alignment

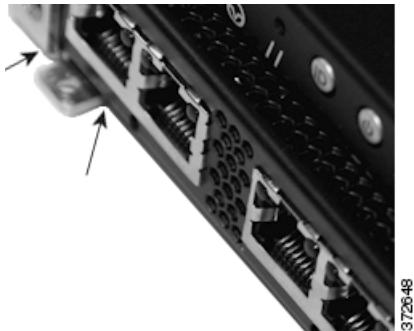


Step 4 Push the lever toward the module so that the latch engages and pulls the module into the slot.



Caution Do **not** use excessive force. If the latch does not engage, remove and realign the module, then try again.

- Step 5** Press firmly on the screw hole to push the lever fully against the module to secure the latch. The lever is fully against the module, and the module is flush with the chassis.



- Step 6** Insert and tighten the reserved T8 Torx screw into the lever.

