



Switch Fabric Modules

This chapter describes the Switch Fabric Modules and includes the following sections:

- [Switch Fabric Module \(WS-C6500-SFM\), page 11-1](#)
- [Switch Fabric Module 2 \(WS-X6500-SFM2\), page 11-2](#)



Note

You can have a Switch Fabric Module (WS-C6500-SFM) with a Switch Fabric Module 2 (WS-X6500-SFM2) in the same Cisco 7606, Cisco 7609, or OSR-7609 chassis.

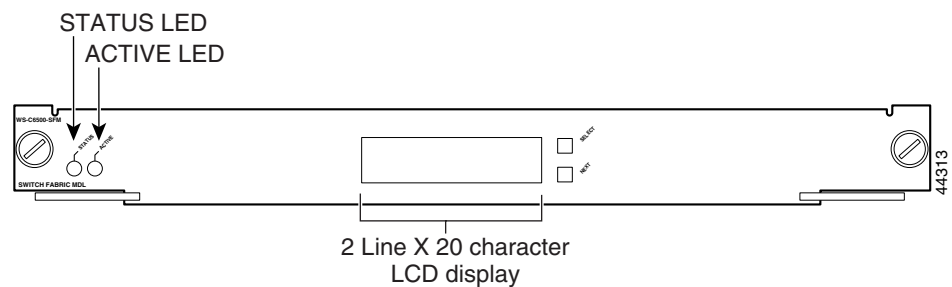
Switch Fabric Modules operate only with a Supervisor Engine 2. They are not supported with Supervisor Engine 1A or Supervisor Engine 720.

Switch Fabric Module (WS-C6500-SFM)

The Switch Fabric Module (WS-C6500-SFM) requires a Supervisor Engine 2 and must be installed in slot 5 or slot 6 of the Cisco 7606, Cisco 7609, or OSR-7609 routers. (See [Figure 11-1](#).) The Switch Fabric Module cannot be installed in the Cisco 7613 switch or the Cisco 7603 router.

For redundancy, you can install a second Switch Fabric Module. The first-installed Switch Fabric Module functions as the primary module. When you install two modules at the same time, the module in slot 5 functions as the primary module, and the module installed in slot 6 functions as the backup. If you reset the Switch Fabric Module installed in slot 5, the module in slot 6 becomes the primary.

Figure 11-1 Switch Fabric Module (WS-C6500-SFM)



Two front-panel LEDs provide status information for the module and indicate whether the module is active. The STATUS LED functions are listed in [Table 7-1 on page 7-2](#). The ACTIVE LED is green when the Switch Fabric Module is operational and active and is orange when the module is in standby mode.

The front panel on the Switch Fabric Module has a 2-line by 20-character LCD display. The display allows you to monitor the module's input/output port traffic and local bus traffic. The display also shows system information.

Two push button switches control the LCD display:

- SELECT—This switch is used for LCD display menu selection.
- NEXT—This switch is used to scroll to the next item on the LCD display menu.

Switch Fabric Module 2 (WS-X6500-SFM2)

The Switch Fabric Module 2 (WS-X6500-SFM2) can be installed in any Cisco 7600 series router. (See [Figure 11-2](#).) The Switch Fabric Module 2 requires Supervisor Engine 2 and must be installed in slot 5 or slot 6 of the Cisco 7606, Cisco 7609, or OSR-7609 routers, or in slot 7 or slot 8 of the Cisco 7613 router.

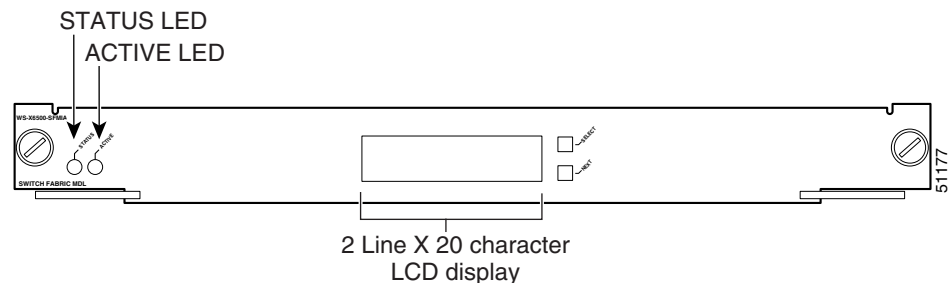


Note

The Switch Fabric 2 module cannot be installed in the Cisco 7603 router.

For redundancy, you can install a second Switch Fabric Module 2. The first-installed Switch Fabric Module 2 functions as the primary module. When you install two modules at the same time, the module in slot 5 or slot 7 functions as the primary module, and the module installed in slot 6 or slot 8 functions as the standby. If you reset the Switch Fabric Module 2 installed in slot 5 or slot 7, the module in slot 6 or slot 8 becomes the primary.

Figure 11-2 Switch Fabric Module 2 (WS-X6500-SFM2)



Two front-panel LEDs provide status information for the module and indicate whether the module is active. The STATUS LED functions are listed in [Table 7-1 on page 7-2](#). The ACTIVE LED is green when the Switch Fabric Module is operational and active and is orange when the module is in standby mode.

The front panel of the Switch Fabric Module 2 has a 2-line by 20-character LCD display. The display allows you to monitor the module's input/output port traffic and local bus traffic. The display also shows system information.

Two push button switches control the LCD display:

- SELECT—This switch is used for LCD display menu selection.
- NEXT—This switch is used to scroll to the next item on the LCD display menu.

