Configuring the 4GE SSM for Fiber

The 4GE Security Services Module (SSM) has four Ethernet ports, and each port has two media type options: SFP (Small Form-Factor Pluggable) fiber or RJ 45. You can mix the copper and fiber ports using the same 4GE card.

Note   The 4GE SSM requires ASA software release 7.04 or later.

If you purchased a 4GE SSM, use the procedures in this section to:

- Cable the interfaces you want to use.
- Change the media type setting for any SFP interfaces you want to use.

Note   Because the default media type setting is Ethernet, you do not need to change the media type setting for any Ethernet interfaces you use.

Cabling 4GE SSM Interfaces

To cable 4GE SSM interfaces, perform the following steps for each port you want to connect to a network device:
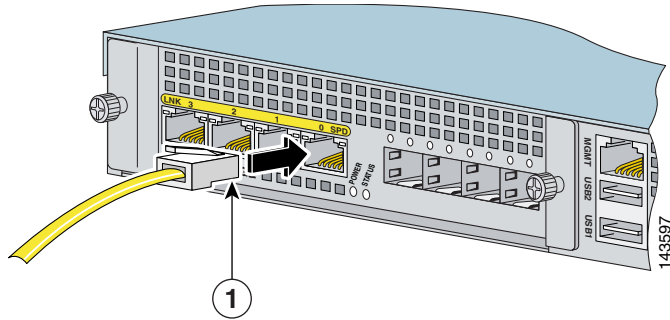
Step 1   To connect an RJ-45 (Ethernet) interface to a network device, perform the following steps for each interface:

   a.   Locate a yellow Ethernet cable from the accessory kit.

b. Connect one end of the cable to an Ethernet port on the 4GE SSM.

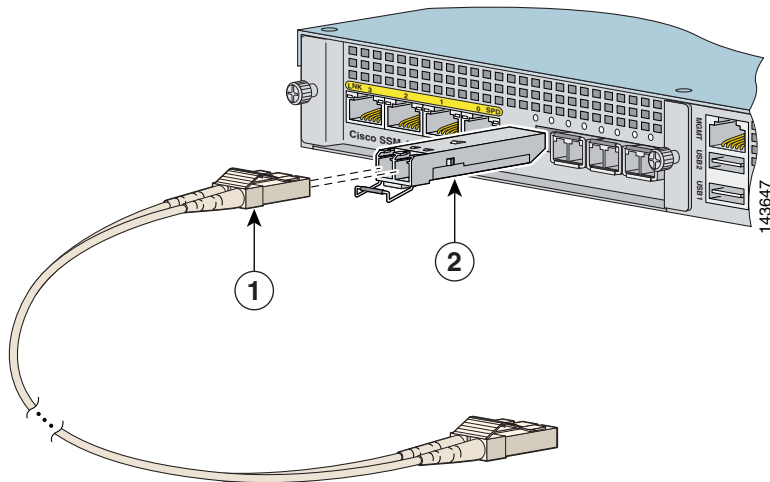*Figure 11-1   Connecting the Ethernet port*

1	RJ-45 (Ethernet) port

c. Connect the other end of the cable to your network device.

Step 2   (Optional) If you want to use an SFP (fiber optic) port, install and cable the SFP modules as shown in Figure 11-2:

a. Insert and slide the SFP module into the SFP port until you hear a click. The click indicates that the SFP module is locked into the port.

b. Remove the optical port plugs from the installed SFP.

c. Locate the LC connector (fiber optic cable) in the 4GE SSM accessory kit.

d. Connect the LC connector to the SFP port.

Figure 11-2   *Connecting the LC Connector*

1	LC connector	**2**	SFP module

e. Connect the other end of the LC connector to your network device.

After you have attached any SFP ports to your network devices, you must also change the media type setting for each SFP interface. Continue with the following procedure, "Setting the 4GE SSM Media Type for Fiber Interfaces (Optional)."

Setting the 4GE SSM Media Type for Fiber Interfaces (Optional)

If you are using fiber interfaces, for each SFP interface you must change the media type setting from the default setting (Ethernet) to Fiber Connector.

Note   Because the default media type setting is Ethernet, you do not need to change the media type setting for Ethernet interfaces you use.

To set the media type for SFP interfaces using ASDM, perform the following steps starting from the main ASDM window:

Step 1   At the top of the ASDM window, click the **Configuration** tab.

Step 2   On the left side of the ASDM window, click the **Interfaces** tab.

Step 3   Click the **4GE SSM** interface and click **Edit**. The Edit Interface dialog box appears.

Step 4   Click **Configure Hardware Properties**. The Hardware Properties dialog box appears.

Step 5   From the Media Type drop-down list, choose **Fiber Connector**.

Step 6   Click **OK** to return to the Edit Interfaces dialog box, then click **OK** to return to the interfaces configuration dialog box.

Step 7   Repeat this procedure for each SFP interface.

You can also set the media type from the command line. For more information, see Configuring Ethernet Settings and Subinterfaces in the *Cisco Security Appliance Command Line Configuration Guide*.

What to Do Next

You have completed the initial configuration. You may want to consider performing some of the following additional steps:

To Do This ...	See ...
Refine configuration and configure optional and advanced features	*Cisco Security Appliance Command Line Configuration Guide*
Learn about daily operations	*Cisco Security Appliance Command Reference*
	Cisco Security Appliance Logging Configuration and System Log Messages
Review hardware maintenance and troubleshooting information	*Cisco ASA 5500 Series Hardware Installation Guide*