CHAPTER 3

ATM Modules

This chapter describes the ATM Modules, and it contains the following sections

Note These modules are Class 1 laser products. Refer to the *Regulatory Compliance and Safety Information for the Cisco 7600 Series Routers* for information on working with lasers.

1-Port OC-12 ATM Module (WS-X6101-OC12-MMF)

The 1-port ATM module (WS-X6101-OC12-MMF) provides one direct connection and one standby connection between the ATM network and the switch using two multimode, SC, fiber-optic connectors. (See Figure 3-1.)

The CONSOLE PORT allows you to access the switch either locally (with a console terminal) or remotely (with a modem). The CONSOLE PORT is an EIA/TIA-232 asynchronous, serial connection with hardware flow control and an RJ-45 connector.

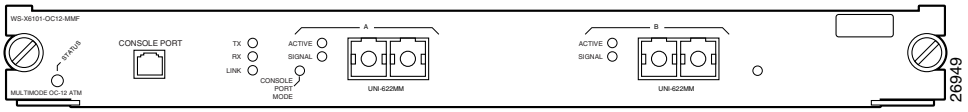
The CONSOLE PORT mode switch allows you to attach either a terminal or a modem to the CONSOLE PORT.

Note Use a ballpoint pen tip or other small, pointed object to access the CONSOLE PORT MODE switch.

Use the CONSOLE PORT MODE switch as follows:

- Mode 1—Switch in the *in* position (factory default). Use this mode to connect a terminal to the console port using a console cable and a DTE adapter. You can also use this mode to connect a modem to the console port.
- Mode 2—Switch in the *out* position. This mode is not supported in the Cisco 7600 series routers.

Figure 3-1 ATM OC-12 Module (MMF) (WS-X6101-OC12-MMF)



The front panel LEDs are described in Table 3-1 on page 3-3.

1-Port OC-12 ATM Module (WS-X6101-OC12-SMF)

The 1-port ATM module (WS-X6101-OC12-SMF) provides one direct connection and one standby connection between the ATM network and the switch using two single-mode, SC, fiber-optic connectors. (See Figure 3-2.)

The CONSOLE PORT allows you to access the switch either locally (with a console terminal) or remotely (with a modem). The CONSOLE PORT is an EIA/TIA-232 asynchronous, serial connection with hardware flow control and an RJ-45 connector.

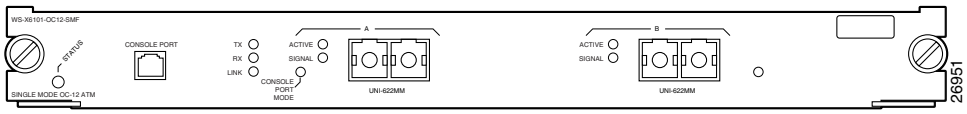
The CONSOLE PORT MODE switch allows you to attach either a terminal or a modem to the console port.

Note Use a ballpoint pen tip or other small, pointed object to access the CONSOLE PORT MODE switch.

Use the CONSOLE PORT MODE switch as follows:

- Mode 1—Switch in the *in* position (factory default). Use this mode to connect a terminal to the CONSOLE PORT using a console cable and a DTE adapter. You can also use this mode to connect a modem to the console port.
- Mode 2—Switch in the *out* position. Use this mode to connect a terminal to the CONSOLE PORT using the Catalyst 5000 family Supervisor Engine III console cable (not provided).

Figure 3-2 ATM OC-12 Module (SMF) (WS-X6101-OC12-SMF)



The front panel LEDs are described in Table 3-1 on page 3-3.

ATM Module LEDs

The ATM module front-panel LEDs are described in Table 3-1.

Table 3-1 ATM Module LEDs

LED	Color/State	Description
STATUS	Green	All diagnostics pass; the module is operational.
	Orange	The module is booting or running diagnostics.
		A fault occurred during the initialization sequence.
		An overtemperature condition has occurred. (A minor temperature threshold has been exceeded during environmental monitoring.)
	Red	The module is resetting. (The switch has just been powered on or the module has been hot inserted.)
		An overtemperature condition has occurred. (A major temperature threshold has been exceeded during environmental monitoring.)
		If the module fails to download code and configuration information successfully during the initial reset, the LED stays red; the module does not come online.
	Off	The module is not receiving power.
TX (transmit)	Green	The port is transmitting a packet (the LED is lit for approximately 50 milliseconds).
RX (receive)	Green	The port is receiving a packet (the LED is lit for approximately 50 milliseconds).
LINK	Green	The port is active (the link is connected and operational).
	Orange	The module or port is disabled through the CLI command or the module is initializing.
	Flashing orange	The port is faulty and has been disabled.
	Off	The port is not active or the link is not connected.
ACTIVE	Green	The port is active (the link is connected and operational).
	Off	The port is the standby port.
SIGNAL	Green	The active port is receiving a valid signal level through the fiber-optic cable; this condition does not indicate valid framing.