

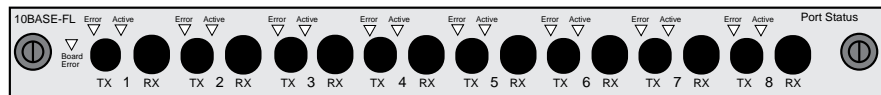


# ETHERNET 10BASE-FL MODULE INSTALLATION GUIDE

For the LANplex 2500/2016

## Module Description

This module contains eight (8) Ethernet 10BASE-FL ports that use ST connectors, providing Ethernet connections over fiber. The module connects Ethernet segments dispersed throughout a building or campus to a centrally located LANplex system. For a description of how to configure this module into your network, see the LANplex documentation set.



A system software revision supporting these modules is available from the 3Com BBS, 3Com's Internet FTP site ([ftp.3Com.com](ftp://ftp.3Com.com)), 3ComForum on CompuServe, or 3Com's Web site ([http://infodeli.3com.com/infodeli/swlib/switch\\_files.htm](http://infodeli.3com.com/infodeli/swlib/switch_files.htm)).

## Status LEDs

The module contains one **Board Error** LED, eight port status **Active** LEDs, and eight port status **Error** LEDs. Depending on the condition, the port status LED shows **Active** (green light) or **Error** (yellow light). The following table describes the status LEDs.

LEDs	Label	Color	Description
Module Status	Board Error	Yellow	Either an error has occurred or the option module has failed a diagnostic procedure.
Port Status	Active	Green	The associated port is active.
	Error	Yellow	An error condition has occurred with the associated port or the port was disabled from the Administration Console.

## Safety Information

Electrostatic discharge (ESD) can damage components on the module. ESD occurs when the module is improperly handled and can cause complete or intermittent failures. To prevent ESD-related damage:

- Always wear the ESD wrist strap provided with the LANplex system, ensuring that it makes good skin contact.
- Keep the module in its antistatic shielded bag until you are ready to install it.

- Do not touch the components, pins, leads, or solder connections.
- Always handle the module by its edges.

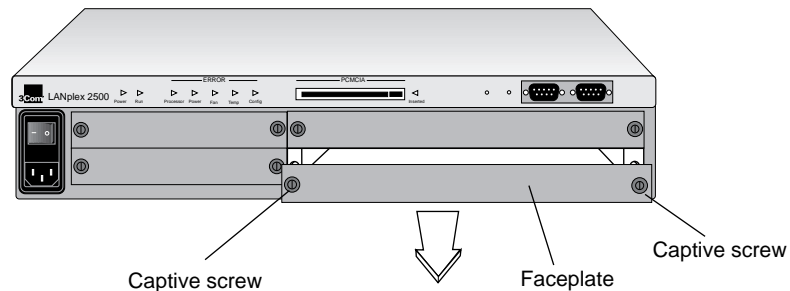
## Prior to Installation

Before you install your new module, follow the appropriate pre-installation instructions.

### *Read before initial installation*

Your LANplex system is shipped with no modules installed and with protective faceplates covering the installation slots. Remove the protective faceplate covering the selected installation slot before you install the module.

To remove the faceplate: 1) loosen the two captive screws securing the faceplate to the chassis and 2) pull the faceplate away from the system. Store the faceplate for future use.



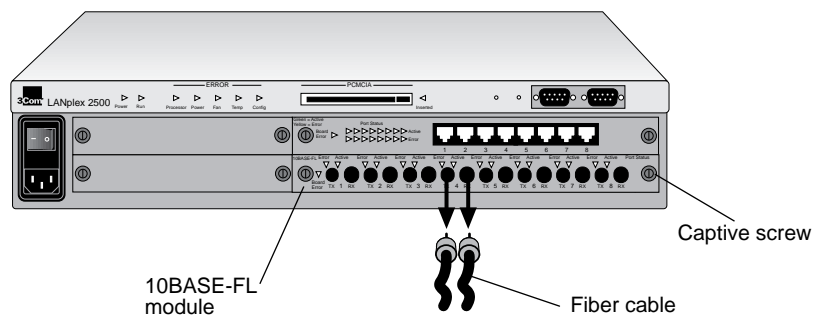
### *Read before replacing a module*

You can replace a module while the system is powered on. Remove the attached cables from the module's ports prior to installing the new module.



**CAUTION:** *When handling modules, always use a wrist strap connected to a proper ground. This helps prevent module damage from electrostatic discharge. Store the module in its antistatic bag when not installed.*

To replace a module: 1) disconnect the cables from the module's ports, 2) loosen the two captive screws securing the module to the chassis, and 3) pull the module out of the chassis.





The LANplex system automatically resets when a module is installed with the power on.



If you physically change the configuration of the system after defining an IP interface, the port designated for that interface may no longer be valid. You may have to redefine the interface. For information on defining an IP interface, see the Administration Console User Guide for your LANplex system.

## Installing the Module

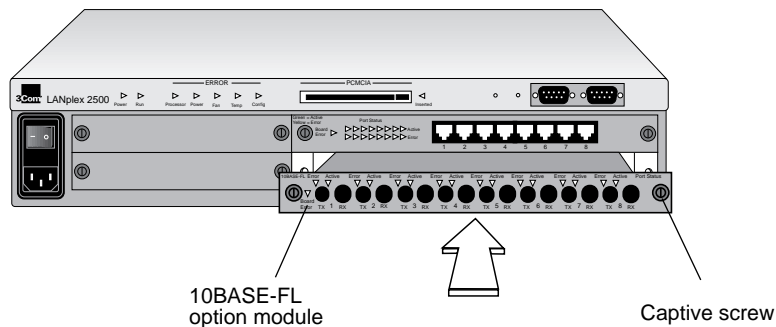
To install the new module into the LANplex system, follow these steps:

- 1 Ensure that you are properly grounded. See page 1.
- 2 Remove the module from its antistatic bag.



**WARNING:** If the system is powered on when you are replacing the module, do not insert any metal objects into the open slot (for example, a screwdriver or a finger with jewelry). Contact with the metal could cause burns or other bodily harm.

- 3 Place the module between the guides of the selected slot and slide the module into the chassis. See the figure below.



- 4 To seat the module, firmly push the module forward to engage the module and backplane connectors. You will feel a slight resistance as the connectors engage.



**CAUTION:** If the resistance is too great, the module and backplane connectors might not be aligned. Forcing the module forward could damage the board or backplane connectors. If necessary, remove and reinsert the module, ensuring that the connectors are properly aligned. Do not seat the module by tightening the captive screws.

- 5 Tighten the captive screws to secure the module in the chassis.

When the module is installed, see Chapter 4: *Cabling the System* in your *Getting Started* guide for information on cabling your module to the network.

### Option Module Diagnostics

Module diagnostics run at power up or when you have replaced a module with the power on. During diagnostics, the module's port status **Error** LEDs light yellow. When diagnostics are successfully completed, the port status **Active** LEDs turn green for those ports that are cabled. If any port status **Error** LED remains yellow, the port is not operational. If the module's **Board Error** LED is yellow, the module has failed a diagnostic test. To troubleshoot module failures, see Chapter 7: *Troubleshooting the System* in your *Getting Started* guide.

### Pin-out Information

The following illustration shows the transmit and receive connectors for the eight 10BASE-FL ports.

