



# TP-DDI DAS MODULE INSTALLATION GUIDE

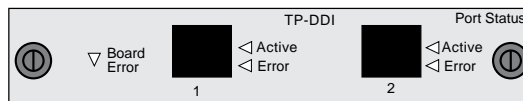
For the LANplex 2500

## Module Description

This module has two RJ-45 ports, one A port (1) and one B port (2). The module increases the capacity of your existing Ethernet network by providing connections for Ethernet switching, FDDI switching, and Ethernet-to-FDDI transparent bridging in your system. For a description of how to configure this module into your network see the *LANplex 2500 Planning Your Site* guide.



Prior to installing the TP-DDI DAS module, LANplex system software revision 4.2.0 or later and LANplex diagnostics software revision 2.0.6 or later must be installed. A system software revision supporting this module is available from the 3com BBS, the Internet FTP site ([3Com.ftp.com](http://3Com.ftp.com)), or 3ComForum on CompuServe.



## Status LEDs

The module contains one **Board Error** LED, two port status **Active** LEDs, and two port status **Error** LEDs. Depending on the condition, the port status LED is either **Active** (green) or **Error** (yellow). See the table below for a description of the status LEDs.

LEDs	Name	Color	Description
Module Status	Board Error	Yellow	Indicates that either an error has occurred or the option module has failed a diagnostic procedure
Port Status	Active	Green	Indicates that the associated port is active
	Error	Yellow	Indicates that an error condition has occurred with the associated port

## Safety Information

Electrostatic discharge (ESD) damage occurs when the module is handled improperly. ESD can damage components on an option module, causing 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 and that the alligator clip is connected to a suitable ground.
- 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 below:

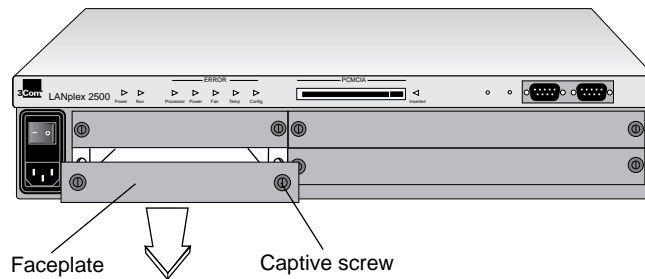
*Read if initial installation*

Your LANplex system is shipped with protective faceplates covering the exposed installation slots. You must remove the protective faceplate covering the selected installation slot prior to installing the option module.



**CAUTION:** *When handling modules, 3Com recommends that you always use a wrist strap connected to a proper ground. This helps prevent the module from being damaged by electrostatic discharge. Additionally, when not in use, the module should be stored in an antistatic bag.*

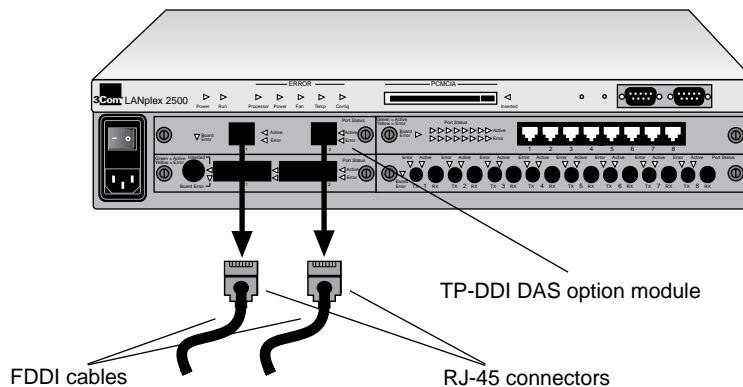
To remove the faceplate: 1) loosen the two captive screws securing the faceplate to the chassis, and 2) pull the faceplate away from the system.



*Read if replacing a module*

You can replace a module while the system is powered on. Replacing the module requires that you remove the attached cables from the module's ports prior to installing the new module.

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 will automatically reset when a module has been 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 LANplex 2500 Administration Console User Guide.

## Installing the Module

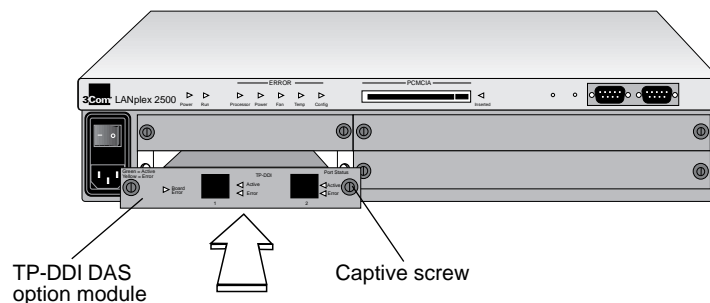
To install the new module into the LANplex system, perform the following steps:

- 1 Discharge yourself of static electricity by touching the rear panel.
- 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, such as a screwdriver or a finger with jewelry, into the open slot. This could cause burns or other bodily harm, as well as system damage.

- 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 may 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. You should not have to seat the module by tightening the captive screws.

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

Once the module is installed, see Chapter 4: *Cabling the System* in the *LANplex 2500 Getting Started* guide for information on cabling your module to the network.

## Option Module Diagnostics

Module diagnostics run at power up or when replacing a module with the power on. During diagnostics, the module's port status **Error** LEDs are lit yellow. When diagnostics are successfully completed, the port status **Active** LEDs turn green for those ports that are cabled. If any port status **Error** LEDs remain yellow, the port is not operational. If the module's **Board Error** LED is lit yellow, the module has failed a diagnostic test. To troubleshoot module failures, see Chapter 7: *Troubleshooting the System* in the *LANplex 2500 Getting Started* guide.

## Pin-Out Information

The table below provides the pin assignments for the board's two TP-DDI DAS (RJ-45) ports.

Pin No.	Signal	Description
1	TX+	Transmit+
2	TX-	Transmit-
3		Not used
4		Not used
5		Not used
6		Not used
7	RX+	Receive+
8	RX-	Receive-