



Simply connecting the IP world

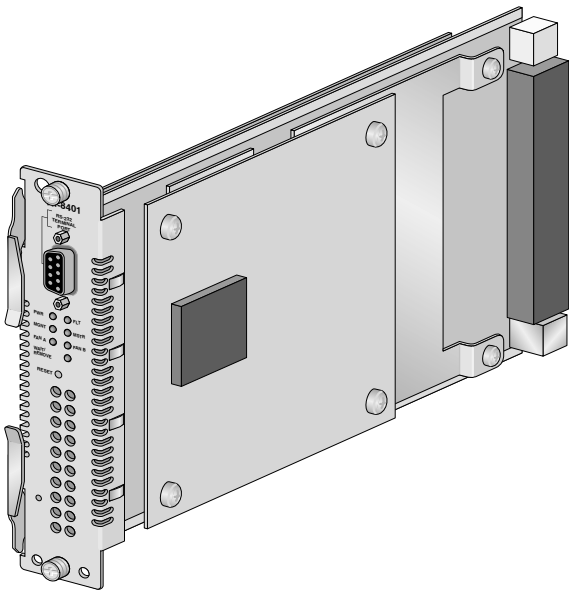
AT-8401
Management Fabric Card
Installation Guide

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Overview

The AT-8401 management fabric card manages the AT-8400 Series Switch. The management card has one RS-232 terminal port with an DB9 connector which is used for local management.

The AT-8401 management card allows you to monitor the operating status of the line cards installed in the chassis and configure the software that directs the line cards. You can install a maximum of one AT-8401 management card in an AT-8400 Chassis.



Cabling

The following table contains the cabling specifications for the DB9 port.

Port	Connector	Cable
RS-232	DB9	RS-232 Straight-through

Related Documents

The Allied Telesyn web site at www.alliedtelesyn.com offers you an easy way to access the most recent documentation, software, and technical information for all of our products. For details on the features and functions of your Allied Telesyn AT-8400 Series Switch refer to the following manuals from our web site:

- ❑ **AT-8400 Series Switch Reference Guide**
PN 613-50399-00
- ❑ **AT-S60 Management Software User’s Guide**
PN 613-50400-00
- ❑ **AT-S60 Management Software Command Line User’s Guide**
PN 613-50401-00

Package Contents

Make sure the following items are included in the shipping package. If any item is missing or damaged, contact your Allied Telesyn sales representative for assistance.

- ❑ One AT-8401 Management Fabric Card
- ❑ Installation Guide
- ❑ Warranty Card
- ❑ MAC Address Stickers

Installing a Management Card

This section describes how to install a new management card. An AT-8400 Chassis requires a management card for normal operations. Without a management card, the AT-8400 line cards will not pass network traffic. Before installing a new AT-8401 management card, you must power down the switch.

To install a new management card, follow these steps:

Caution
Before installing a management card, refer to the *AT-8400 Series Switch Reference Guide* for electrical safety information.

1. Unpack the new management card from its shipping container and store the packaging material in a safe location.

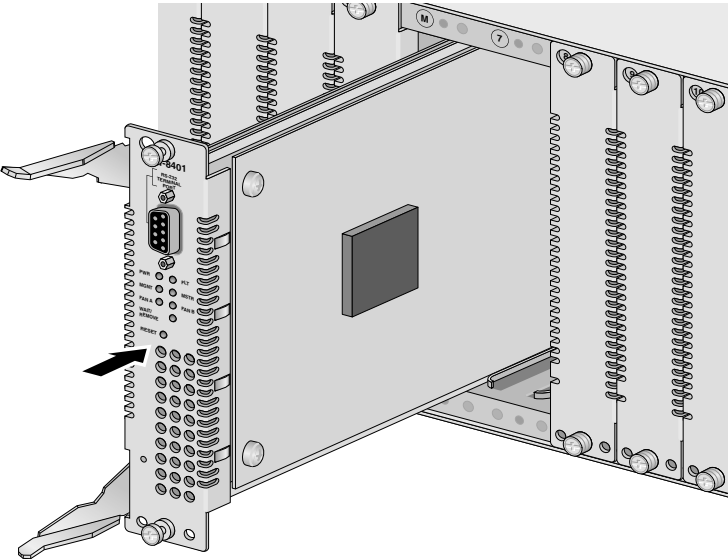
Caution
Be sure to observe all standard electrostatic discharge (ESD) precautions, such as wearing an antistatic wrist strap, to avoid damaging the device. A management card can be damaged by static electricity.

2. Check that the management card package includes all the items listed in the Package Contents section. If any item is missing or damaged, contact your Allied Telesyn sales representative for assistance.

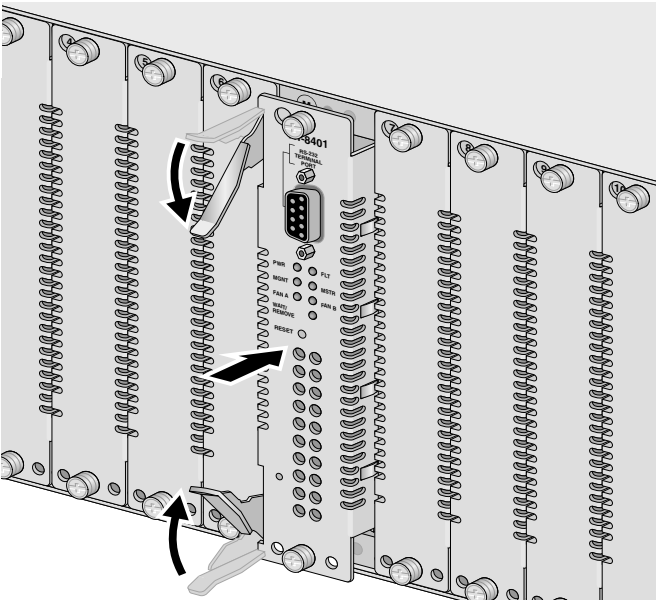
Note
Keep the shipping material. You must use the original shipping material if you need to return the management card to Allied Telesyn.

3. Align the edge of the management card with the top and bottom guide rails as you carefully slide the management card into slot M, keeping the locking levers in the released position as shown in the following diagram. Avoid touching the management card components.

Note
If the card doesn’t slide in easily, check that you are sliding it into slot M.



4. Push the management card until it is within a quarter inch of the front of the chassis. As the card approaches the front of the chassis, the top and bottom locking levers lean toward the front of the card.
5. Move the locking levers on the management card into the locked position as shown in the diagram. When the levers are engaged, they are parallel to the front of the card which is flush with the front of the chassis.

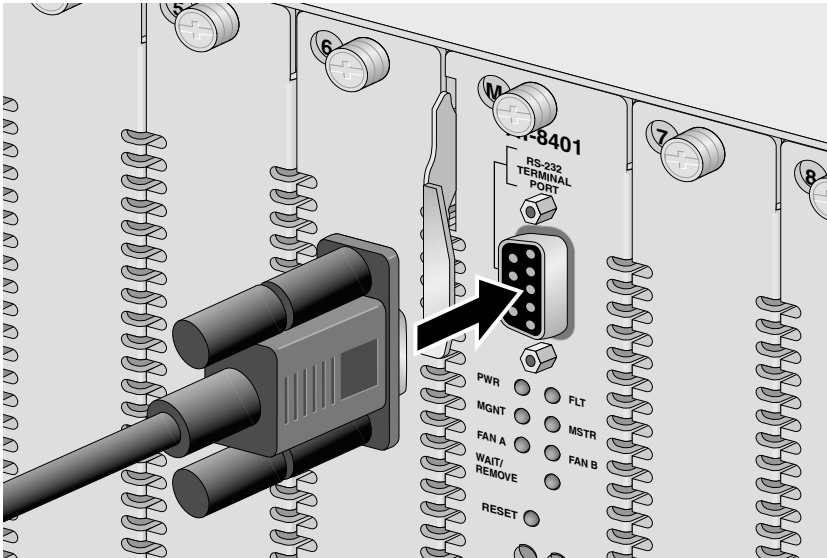


6. Secure the management card to the switch. Use a Phillips screwdriver to tighten the two installation screws found on the faceplate of the management card.

Note

Always use the installation screws to secure the management card to the switch. Leaving a management card partially seated may cause the switch to halt and subsequently crash.

7. For local management of the chassis, attach one end of a RS-232 cable with a DB9 connector to the RS-232 port on the management card and the other end of the cable to a terminal or PC with a terminal emulator program.



8. Make sure the PWR, FAN A, and FAN B LEDs on the front of the management card are steady green. See the LEDs Section.
9. Attach a MAC Address sticker to the front of the chassis.

This sticker contains the MAC Address of the AT-8400 Management card. ATI recommends attaching the sticker to the fan tray cover on the front of the chassis.

Removing a Management Card

Before you remove an AT-8401 management card, you need to power down the switch. To remove an AT-8401 Management Card, follow these steps:



Caution

Before removing a management card, refer to the *AT-8400 Series Switch Reference Guide* for electrical safety and emission information.

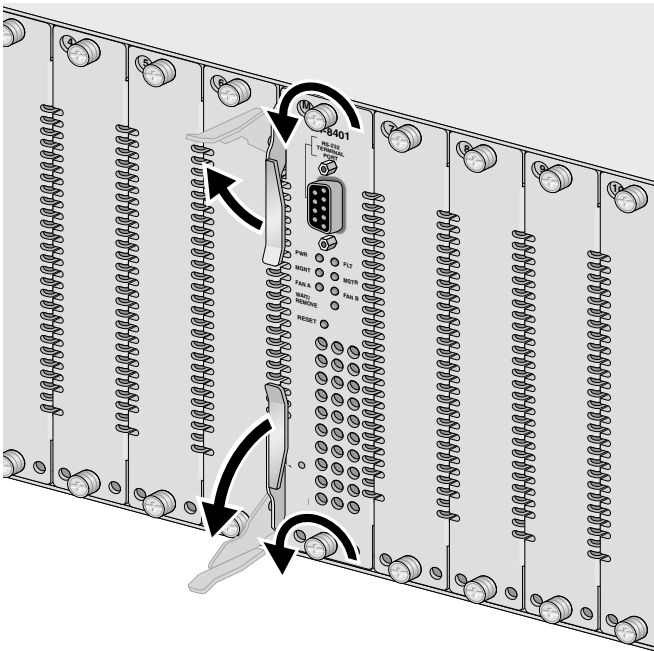
1. Using a Phillips screwdriver, loosen the two installation screws on the faceplate of the installed AT-8401 Management Card in slot M.



Caution

Be sure to observe all standard electrostatic discharge (ESD) precautions, such as wearing an antistatic wrist strap, to avoid damaging the device. A management card can be damaged by static electricity.

2. Pull the top and bottom locking levers out and away from the card as you slide the card out of the chassis as shown in the following diagram.



3. Store the management card in an static-proof bag.

LEDs

Refer to the table below for AT-8401 Management Card LED information.

LED	State	Description
PWR ¹	Steady Green	The management card is receiving power.
FLT	Steady Red	There is a system fault. This is an unrecoverable error.
MGMT	Steady Green	Indicates a Power on Self Test (POST) has been completed successfully.
	Steady Amber	Indicates a POST is occurring. After one minute, indicates a POST has failed.
MSTR	Steady Green	Indicates the chassis is the master of an enhanced stack.
	OFF	Indicates chassis is not a member of an enhanced stack. Or, indicates the chassis is a member of an enhanced stack, but it is a slave not a master. Check the management console for details.
FAN A	Steady Green	Fan A is operating correctly.
	Steady Amber	Fan A is experiencing alarm conditions.
	OFF	FAN A is not installed.
FAN B	Steady Green	Fan B is operating correctly.
	Steady Amber	Fan B is experiencing alarm conditions.
	OFF	FAN B is not installed.

LED	State	Description
WAIT/ REMOVE	Steady Green	Indicates you can safely remove a line card from the AT-8400 Chassis.
	Steady Amber	Indicates a disconnect request is being processed. You cannot safely remove a line card from the AT-8400 Chassis while the LED is in this state.

1. If the PWR LED remains off for more than 10 seconds, the management card is not receiving power.

RESET Button

The RESET button on the management card allows you to reset the chassis, including the line cards. You may need to reset the management card after upgrading the firmware. To reset the AT-8400 Chassis, locate the RESET button on the front of the management card. Press the reset button with the tip of a pen.



Caution

Using the Reset button halts all network operations until the CPU returns to a normal state.

Technical Specifications

Maximum Operating Temperature: 0° C to 40° C (32° F to 104° F)

Maximum Storage Temperature: -20° C to 80° C (-4° F to 176° F)

Operating and Storage Altitude: Up to 3,048 meters (10,000 feet)

Relative Humidity Operating and Storage: 5% to 80% (non-condensing)

Electrical Safety and Emission Statement

Standards: This product meets the following standards when installed in compliant host equipment.

U.S. Federal Communications Commission	
RADIATED ENERGY Note: This equipment has been tested and found to comply with the limits for a Class A digital device pursuant to Part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with this instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense. Note: Modifications or changes not expressly approved of by the manufacturer or the FCC, can void your right to operate this equipment.	
Industry Canada	
This Class A digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations. Cet appareil numérique de la classe A respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.	

Emission	FCC Class A, EN55022 Class A, VCCI Class A, C-TICK
WARNING: 	In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.
Immunity	EN55024
Electrical Safety	EN60825, EN60950 (TUV), UL60950 (UL/cUL)

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