

AT-MCF2KFAN Fan Module Installation Guide

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www.alliedtelesis.com

Overview

The AT-MCF2KFAN module is a cooling unit for the AT-MCF2000 series of media converter chassis.

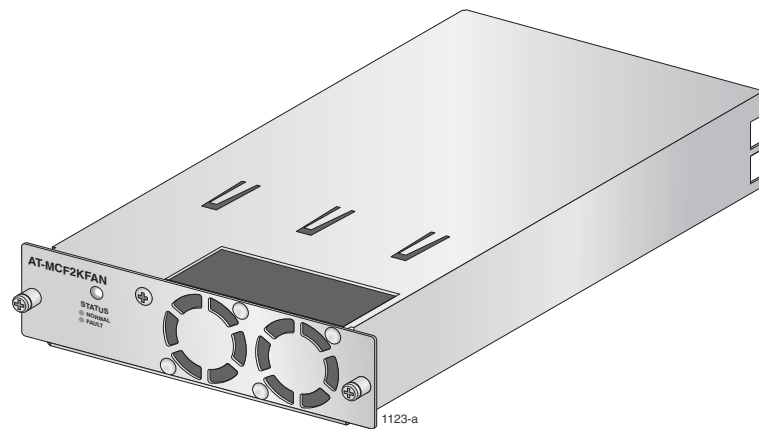


Figure 1. AT-MCF2KFAN Fan Module

Note

For a list of available chassis models in the AT-MCF2000 media converter product line, contact your Allied Telesis sales representative or visit our web site.

Review the following before you begin to install the module in the chassis:

- ❑ Refer to the chassis' Installation Guide to verify that the module is appropriate for the unit.
- ❑ The AT-MCF2KFAN module draws its power from the backplane of the chassis. It does not have a power cord.
- ❑ For instructions on how to remove a fan module, refer to the chassis' Installation Guide.
- ❑ The AT-MCF2KFAN fan module is hot-swappable. You can install or replace the module while the chassis is powered on.
- ❑ Refer to the chassis' Installation Guide for a list of safety precautions to observe when installing a module in the unit.
- ❑ The following procedure uses the AT-MCF2000 media converter chassis for illustration purposes. Your chassis may be different.

Package Contents

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

- ❑ One AT-MCF2KFAN fan module
- ❑ This Installation Guide

Installing the AT-MCF2KFAN Fan Module

To install the AT-MCF2KFAN fan module, perform the following procedure:

1. Remove the fan module from the shipping package.

Note

Store the packaging material in a safe location. You must use the original shipping material if you need to return the unit to Allied Telesis.

2. Remove a blank panel from a power supply/fan module slot on the back panel of the chassis by loosening the two captive screws on the panel with a cross-head screwdriver. Refer to the chassis' Installation Guide for the location of the power supply/fan module slots.

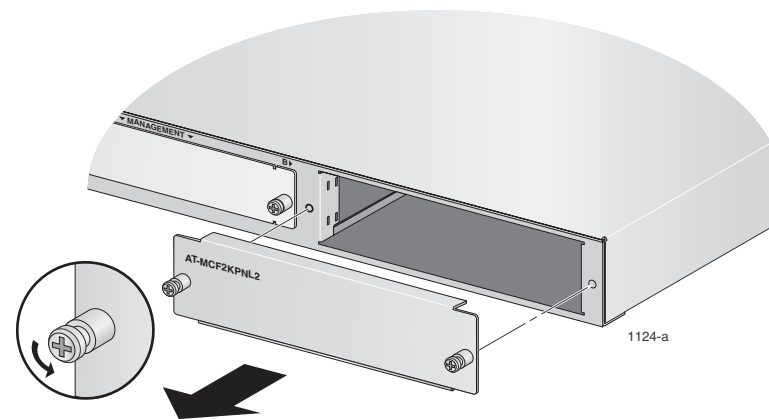


Figure 2. Removing the Blank Panel from a Power Supply/Fan Module Slot

Note

Do not remove a blank panel from the chassis until you are ready to install a module, especially if the device is powered on. An open slot allows dust to enter the unit and impedes the ability of the chassis to maintain proper airflow and cooling.

3. Slide the fan module into the slot as shown in Figure 3, until it is flush with the back panel of the chassis. Light pressure may be needed to seat the module on the connector on the back panel of the chassis.



Caution

Do not force the module into place. Doing so may damage the connector pins on the backplane inside the chassis.

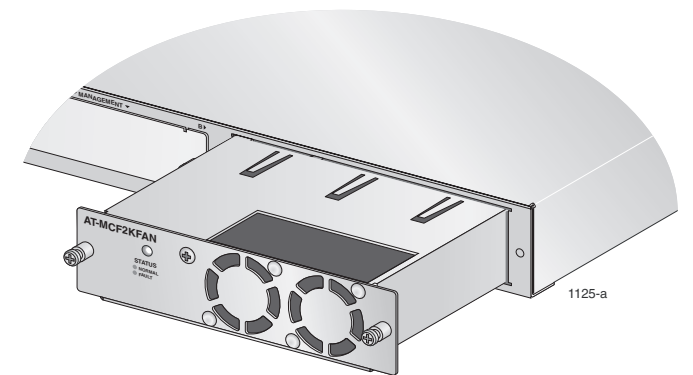


Figure 3. Installing the AT-MCF2KFAN Fan Module

4. Secure the fan module to the chassis by tightening the two captive screws using a cross-head screwdriver. Refer to Figure 4.

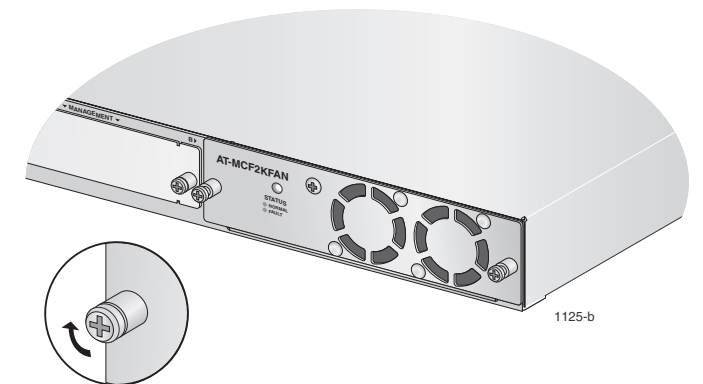


Figure 4. Securing the AT-MCF2KFAN Fan Module

Note

If this is the initial installation of the chassis, refer to the chassis' Installation Guide for instructions on how to install the remaining modules in the unit.



AT-MCF2KFAN FAN Module LED

The fan module has one LED labeled STATUS. The states of the LED are defined in this table.

State	Description
Green	The fans in the module are operating normally.
Amber	A fan has failed and stopped.

Troubleshooting the AT-MCF2KFAN Fan Module

If the chassis is powered on but the fans in the AT-MCF2KFAN module are not operating, either the fan module is not receiving power or the module has failed. Try the following:

- Verify that the module is fully seated in the power supply/fan slot in the chassis.
- Verify that the power cord to the power supply module in the chassis is firmly connected to the power supply module and the power source.
- View the STATUS LED on the fan module. If the LED is amber, a fan has failed and stopped. Replace the module.
- Try removing and reinstalling the fan module.
- Try replacing the fan module with either another fan module or a power supply module. If the replacement module works, the problem is with the original fan module. If the replacement module does not work, the problem is with the chassis.

Note

For additional assistance, contact Allied Telesis Technical Support on our web site at www.alliedtelesis.com.

Technical Specifications

Dimensions (H x W x D) (1.6 x 5.25 x 8.1 in.)	4.1 x 13.3 x 20.6 cm
Weight	818 g (1.8 lb.)
Input Voltage	12 volts and 3.3 volts
Maximum Power Consumption	8 watts
Operating Temperature: (32° F to 104° F)	0° C to 40° C
Storage Temperature: (-° 4F to 158° F)	-20° C to 70° C
Operating Humidity: noncondensing	Less than 80%
Storage Humidity: noncondensing	Less than 95%
Maximum Operating Altitude:	3,048 m (10,000 ft)
Maximum Nonoperating Altitude:	4,000 m (13,000 ft)


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 complies with Canadian ICES-003. Cet appareil numérique de la classe A est conforme à la norme NMB-003 du Canada.	

RFI Emissions	FCC Class A, EN55022 Class A, EN61000-3-2, EN61000-3-3, VCCI Class A, C-TICK, CE
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WARNING:  In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

EMC (Immunity)	EN55024
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Electrical Safety	EN60950-1 (TUV), UL 60950-1 (CUL _{US})
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