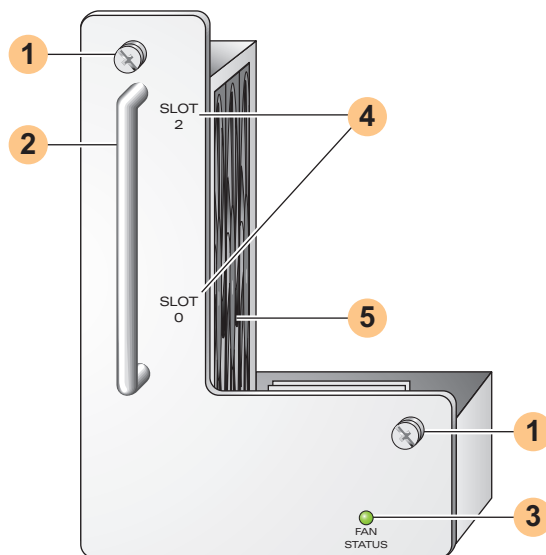


Alcatel OmniAccess 6000 Fan Tray Assembly Installation Instructions

This guide describes the general features and physical characteristics of the Alcatel 6000 series Wireless LAN Switch fan tray assemblies (OAW-6000-FT), and provides instructions for replacing the module.

The fan tray slot is located on the left side of the Aruba WLAN Switch chassis and extends from the front of the chassis to the back.



- 1 Module Fastening Screws

These captive screws are used for securing the module into the switch fan tray slot.

2 Module Handle

This handle is used for removing or inserting the module into the switch chassis.



CAUTION—Do not use the fan tray handle to lift or move the Aruba WLAN Switch. Serious damage could result.

3 Fan Status LED

During operation, the Fan Status LED provides the following information:

TABLE 1 Fan Status LED

Status	Description
Off	The fan tray is not operating.
Green	The fan tray is receiving power and all three fans are operating properly.
Amber	One fan has failed, but the remaining two can provide proper cooling until the fan tray can be conveniently replaced.
Red	Two or more fans have failed. Replace the fan tray immediately.

4 Slot Labels

When the fan tray is installed in the Aruba WLAN Switch, these labels name the module slots to the immediate right of the fan tray (see figure above).

5 Fans (on side)

Three independent fans provide redundancy for cooling the Aruba WLAN Switch cards.

Three fans are provided in the fan tray. The module is designed to provide for cooling, even if one fan fails. Any two operating fans will provide enough airflow for proper cooling until the fan tray can be replaced.

Hot-swapping is supported but should be performed only by a trained technician. Hot-swapping allows you to replace the fan tray without having to shut down the system. During the replacement operation, the switch will continue to function without fans, though the procedure must be completed within about one minute to resume proper cooling.

Replacing a Fan Tray



CAUTION—This procedure should be performed only by a trained technician.



CAUTION—Be sure to exercise proper Electrostatic Discharge (ESD) precautions when handling components.

If hot-swapping the fan tray, please be aware that there are time-critical aspects to parts of the procedure. To ensure proper preparation, please read through all the steps in the procedure before attempting the replacement.

Also, make sure you understand all the precautions in this guide.

Prepare the New Fan Tray

1. Unpack the new fan tray.
2. Inspect the new fan tray to make sure that it is undamaged.
3. Place the new fan tray in a safe, accessible place near the switch, ready for prompt insertion.
4. You will need a #2 Phillips or cross-head screwdriver.

Remove the Old Fan Tray

1. Loosen the fan tray's fastening screws.
At the front of the Aruba WLAN Switch, use the screwdriver to loosen both of the fastening screws on the faceplate of the installed fan tray. The screws loosen with counter-clockwise rotation, but are captive and cannot be fully removed.
2. Disengage the fan tray.
Grasp the module handle firmly and draw the fan tray forward from its slot. There may be moderate resistance as the module comes free from its connections with the chassis backplane, but do not use excessive force.

When the module is fully disengaged from the backplane, power to the working fans is lost and they will gradually stop spinning

3. Disengage the fan tray.
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When the module is fully disengaged from the backplane, power to the working fans is lost and they will gradually stop spinning



CAUTION—The fans will continue to spin for a short while, even though there is no power to them. Wait for the fans to stop spinning before removing the fan tray.

Also, when hot-swapping, once the fans stop spinning, the Aruba WLAN Switch will continue to operate, though heat will begin to build in the operational components. From this point, there is a limited time (approximately one minute) before installation of the new fan tray must be complete.

4. Fully remove the fan tray and place it safely aside.
Once disengaged, the fan tray should easily slide out the switch chassis.

Insert the New Fan Tray

1. Pick up the new fan tray by the handle provided on its front panel.
2. Carefully insert the fan tray into the chassis fan tray slot.
Align the rear of the fan tray with the guide rails in the switch fan tray slot and slide it gently toward the backplane. The module should slide in easily most of the way.
3. Engage the fan tray.
As the fan tray reaches the back of the chassis, moderate resistance may be felt. Press firmly so the connectors at the back of the module engage with the backplane, but do not use excessive force.

If hot-swapping the fan tray, when the connectors are properly engaged, power to the fans should be restored and they should start spinning.

4. Check the fans to make sure all of them are working.
Once power has been restored to the fan tray, either by engaging the module to the backplane during hot-swap or by turning on system power after a cold-swap, the Fan Status LED should be green and you should be able to feel significant airflow blowing from the chassis vents at each fan position.

If the fans are all working, this ends the time critical portion of the hot-swap procedure.

If *one* of the fans in a newly hot-swapped fan tray does not work (yellow Fan Status LED), allow at least three minutes for the remaining fans to cool the switch before attempting another hot-swap replacement.



CAUTION—If *two or more* fans in the newly hot-swapped fan tray do not work (the Fan Status LED is red or off), shut down the Aruba WLAN Switch, replace the fan tray, and allow the switch at least five minutes to cool before turning it back on.

5. Secure the fan tray.
Use the screwdriver to push in and tighten both of the fastening screws on the faceplate of the newly installed fan tray. Rotate the screws clockwise until moderate resistance is felt, but do not over-tighten.

Contacting Alcatel

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