

## Installation Instructions – Chassis Mount Method

### Adaptec Flash Backup Module AFM-600 for Adaptec Unified Serial™ RAID Controllers

Using the appropriate static protection, remove the controller from your computer.

- 1 Insert screws through the bottom of the controller board, as shown in Figure 1. Then, insert spacers on the screws.
- 2 Attach the AFM-600 daughterboard to the controller by mating the two black connectors. Affix a hex nut to the end of each of the screws, as shown in Figure 2.

**⚠ Caution:** The torque should be less than 0.06Nm to avoid deformation. Do not use a tool to hold the nut in place to avoid damaging the semi-conductor components on the daughterboard near the screw holes. Be sure that the controller is not bent after attaching the daughterboard to the controller card.

- 3 Attach the AFM-600 supercapacitor module to the controller by inserting the connector into the socket on the AFM-600 daughterboard, as shown in Figure 3. The connector attaches to the socket in only one direction.

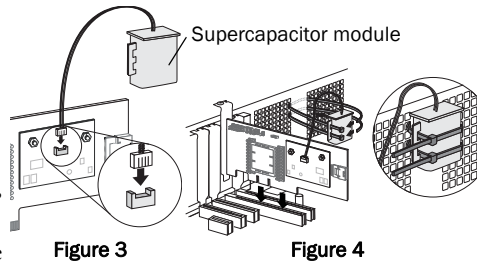
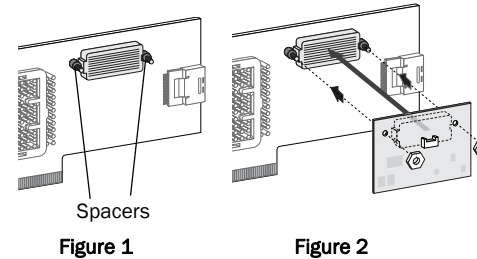
- 4 Choose a location on the chassis or in the system to fix the tethered supercapacitor module using the included cable-ties such that (i) the cable (18.5") reaches the mating location on the controller when it is installed in the expansion slot; (ii) wiring is routed and secured so that it does not contact any moving parts (fans, for instance); and (iii) the supercapacitor module is protected from heat.

- 5 Thread the cable-ties through the slots on the supercapacitor module and fix to the selected location on the computer chassis. The cable-ties should completely encircle the supercapacitor module to ensure that it is held in place securely, as shown in Figure 4. Be careful not to restrict air-flow in your system.

- 6 Reinstall the controller, and restart your computer.

- 7 The supercapacitor starts charging automatically. It should reach full charge in 3-4 minutes.

**⚠ Warning:** (i) Do NOT remove or insert a fully charged supercapacitor module. Always discharge the unit first to avoid damage to the controller or flash backup module. The factory ships with discharged units, so they are safe to install when you receive them. To ensure that an installed unit is discharged, switch the system OFF, then wait 5 minutes. After a dirty shutdown, wait 3 minutes after backup is complete, then remove the unit. (ii) The operating temperature of the Adaptec controller with AFM-600 flash backup is 9°C–50°C 200 LFM.



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## Installation Instructions – Mounting Plate Method

### Adaptec Flash Backup Module AFM-600 for Adaptec Unified Serial™ RAID Controllers

Using the appropriate static protection, remove the controller from your computer.

- 1 Attach the AFM-600 daughterboard to the controller, as described in Step 1 and Step 2 of the Chassis Mount method. Reinstall the controller next to an *empty* slot in the backplane, ideally, a short.
- 2 Attach the full-height bracket to the mounting plate. The full-height bracket is installed on the front side of the mounting plate (the side with the bents), with the mounting screws inserted from the back, as shown in Figure 1. Be sure to attach the mounting plate to the bracket with recessed side at the bottom!
- 3 Thread the cable-ties through the slots on the supercapacitor module and affix to the mounting plate, as shown in Figure 2. The cable-ties should completely encircle the supercapacitor module and mounting plate to ensure that it is held in place securely.
- 4 Attach the supercapacitor module to the controller by inserting the connector into the socket on the AFM-600 daughterboard, as shown in Figure 3. The connector attaches to the socket in only one direction.
- 5 Install the mounting plate in the empty slot next to the controller, as shown in Figure 4. After securing the mounting plate to the card cage, verify that the supercapacitor module and mounting plate sit above (and do not touch) the PCI slot.
- 6 Restart your computer.
- 7 The supercapacitor starts charging automatically. It should reach full charge in 3-4 minutes.

**⚠ Warning:** (i) Do NOT remove or insert a fully charged supercapacitor module. Always discharge the unit first to avoid damage to the controller or flash backup module. The factory ships with discharged units, so they are safe to install when you receive them. To ensure that an installed unit is discharged, switch the system OFF, then wait 5 minutes. After a dirty shutdown, wait 3 minutes after backup is complete, then remove the unit. (ii) The operating temperature of the Adaptec controller with AFM-600 flash backup is 9°C–50°C 200 LFM.

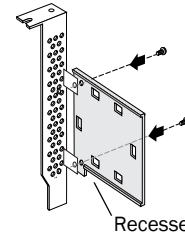


Figure 1

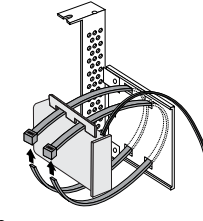


Figure 2

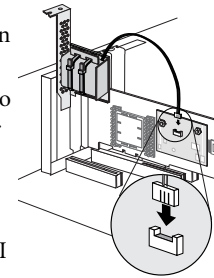


Figure 3

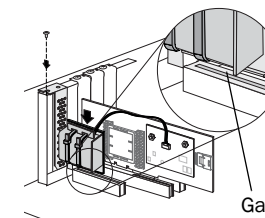


Figure 4

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