

# Installation Instructions – Mounting Plate Method

## Microsemi Adaptec® Flash Backup Module ASCM-35F for SAS/SATA RAID Controllers

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

- 1 Reinstall the controller next to an *empty* slot in the backplane, ideally, a short.
- 2 Attach the full-height bracket to the mounting plate, as shown in Figure 1. 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. Be sure to attach the mounting plate to the bracket with the recessed side at the bottom!
- 3 Choose a location for the mounting clip at the front or back of the mounting plate. Then, attach the mounting clip to the mounting plate with four (4) Phillips screws, as shown in Figure 1. The large friction clip should face the *front* of the mounting plate.
- 4 Insert the supercapacitor module into the mounting clip. The supercapacitor module snaps securely into place between the large and small friction clips, as shown in Figure 2. Be sure to orient the supercapacitor module such that the connecting cable faces the rear of the mounting plate.
- 5 Attach the supercapacitor module to the controller by inserting the connector into the socket on the controller PCB, as shown in Figure 3.
- 6 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 PCIe slot.
- 7 Restart your computer. The supercapacitor should reach full charge in 5-6 minutes.

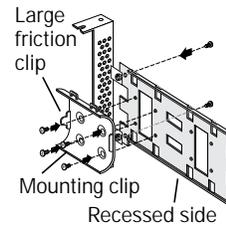


Figure 1

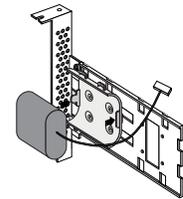


Figure 2

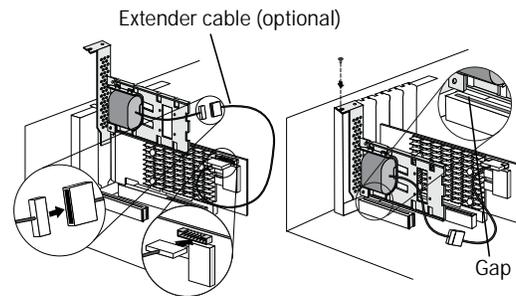


Figure 3

Figure 4

- 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 units ship discharged, 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 Microsemi Adaptec controller with ASCM-35F flash backup is 0°C–55°C 200 LFM.



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