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## **I M P O R T A N T :**

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The controller operating temperature of the Microsemi Adaptec® Series 2/2Q, 5/5Q, 6/6E/6T/6H, 7/7Q/7H, and 8/8Q/8E is 0°C–55°C\*, 200LFM. For the Microsemi Adaptec Series 5/5Q with battery backup, it is 0°C–40°C\*, 200LFM; for the Microsemi Adaptec Series 5Z/5ZQ and Series 6Q/6TQ, it is 0°C–50°C\*, 200LFM. For the Microsemi Adaptec Series 7/7Q and Series 8/8Q/8Z/8ZQ with flash backup, it is 0°C–55°C\*, 200LFM. For the Microsemi Adaptec SmartRAID 3100 Series and SmartHBA 2100 Series, it is 0°C–55°C\*, 200LFM. For the Microsemi Adaptec SAS Expander AEC-82885T, it is 0°C–55°C\*, 200LFM.

It is essential to provide sufficient airflow to the RAID processor with the controller installed in a server or PC chassis. A minimum airflow of 200LFM (linear feet per minute) or higher is required for proper functionality.

<http://ask.microsemi.com/thermal>

\* **Note:** Ambient temperature measured 1 inch (2.54 cm) away from the RAID processor.

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## **N O T E :**

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Please observe best practices for RAID controller board installation. For example, all drive cabling should be secured to the chassis to prevent the cables from causing the controller to flex or unseat if the chassis experiences shock.

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