

Getting Started Guide

Broadcom[®] CacheVault Power Module 02 and CacheVault Power Module 05

Thank you for purchasing the Cache Vault Power Module (CVPM). Please take a few minutes to read this getting started guide before you install the CVPM.

ATTENTION: Perform all installation work at an electrostatic discharge (ESD)-safe workstation that meets the requirements of EIA-625. *Requirements for Handling Electrostatic Discharge Sensitive Devices.* You must perform all actions in accordance to the latest revision of the IPC-A-610 ESD-recommended practices.

Hardware Installation Instructions

Use the following steps to install the Broadcom[®] CacheVault Power Module 02 (CVPM02) or the CacheVault Power Module 05 (CVPM05) using the remote mount board.

ATTENTION: To avoid the risk of data loss, back up your data before you change your system configuration.

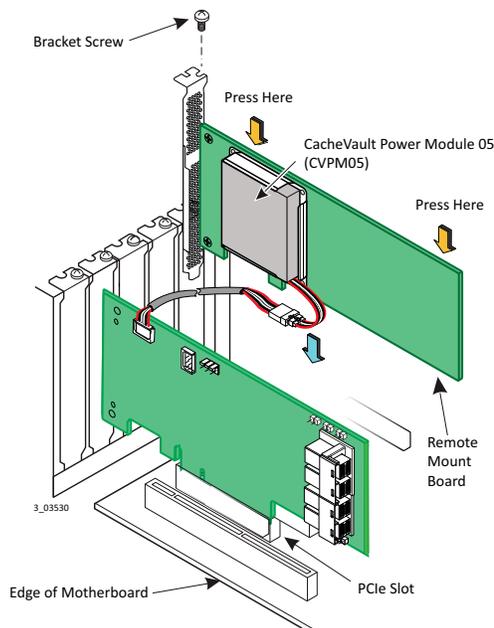
CAUTION: Plugging the CVPM into a powered adapter (hot plugging) is not supported. This action might damage the CVPM and the MegaRAID[®] adapter. Hot plugging the CVPM voids the warranty support.

- 1. Disconnect the computer from the power supply and from any networks to which you will install the adapter.** You risk damaging the system or experiencing electrical shock if you do not disconnect.
- 2. Install the clip on the remote mount board.** Unpack the clip and BBU-BRACKET-05 remote mount board (available separately). Place the clip and remote mount board module front-side up on a flat, clean, and static-free surface.
- 3. Align screws and secure clip.** Secure the clip to the remote mount board in the three screw holes with the provided screws and the nuts. The screws thread through the front of the clip and the remote mount board. Center the screwdriver carefully to avoid stripping the screw heads. Do not over-tighten the screws.
- 4. Attach the CVPM to the remote mount board.** Unpack the CVPM and press the CVPM into the clip on the remote mount board until the module clicks firmly into place.
- 5. Connect the CVPM to the MegaRAID adapter.** Insert the module interface cable connector (larger connector) into the CVPM. Insert the board interface cable connector (smaller connector) into the connector on the MegaRAID adapter. Align the cable connectors to make sure they are connected correctly.

NOTE: For information about the location of the CVPM connector on the MegaRAID adapter, refer to the adapter user guide.



Install the CVPM, MegaRAID Adapter, and Remote Mount Board



6. Install the MegaRAID adapter. Install the adapter in a PCI Express (PCIe) slot on the motherboard. Press down gently, but firmly, to seat the board correctly in the slot. Secure the adapter to the computer chassis with the bracket screw.

7. Install the remote mount board. Insert the remote mount board in an empty PCIe slot on the motherboard. Press down gently, but firmly, to seat the board correctly in the slot. Secure the remote mount board to the computer chassis with the bracket screw.

Optional Installation: You can install the CVPM without the remote mount board. Make sure the clip is securely attached to the chassis in a location that provides sufficient airflow to maintain an ambient temperature of 55°C.

Complete installation instructions can be found in the *Cache Backup Products for MegaRAID SAS+SATA RAID Controllers User Guide*, in the quick installation guide, and in the user guide for the MegaRAID adapter at <http://www.broadcom.com/support/download-search>.

For information on CVPM and adapter compatibility, refer to the product specification pages at <https://www.broadcom.com/products/storage/raid-controllers/>.

TECHNICAL SUPPORT

For assistance installing, configuring, or running the CVPM, contact Broadcom Technical Support:

Website: www.broadcom.com

WARRANTY NOTICE

1. The warranty does not cover the return of parts damaged by changing the bracket.
2. The warranty does not cover ESD damage to the CVPM. CVPMs returned without a bracket mounted on the board will be returned without return merchandise authorization (RMA) processing.

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