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3ware 9690sa-8i manual

Using an incorrect cable can result in drives that are not detected. These cables have multilane cable plug connectors on each end Figure 6. Figure 6. If you are uncomfortable opening a computer system and conforming to standard ESD electrostatic discharge practices, you should have a computer technician perform the installation. Replacing the heat sink will alter thermal characteristics and cooling requirements and may cause the controller to fail. Replacing the factory-installed heat sink will void the warranty. The onboard heat sink collects heat, and must have adequate airflow in order to disburse it. It is important that the cables do not obstruct the air flow or prevent proper ventilation of the system. If your enclosure is low-profile, unscrew the full height bracket from the 3ware 9690SA RAID controller and replace it with the included low-profile bracket, using the same screws. If appropriate, set the PM2 power management jumper on the disk drives, to enable staggered spinup. Save this screw; it will be used to secure the 3ware 9690SA RAID controller after you have seated it in the slot. Position the card in the PCI Express slot so that the contacts will mate with the grooves in the slot, and all pins make proper contact with the PCI Express slot pins when pushed into place. Check that the 3ware RAID controller's metal bracket covers the hole in the case and secure the bracket with the screw that was used to secure the filler bracket in step 5. Insert the SFF8088 cable plug connector into the multilane external connector of the controller. When the plug is inserted correctly, you will feel it click into place. The user guide is included on the 3ware CD that came with your controller. When used with the 3ware 9690SA RAID controller, the BBU control module is mounted on the RAID controller and the battery pack is installed on a remote battery board. If you have a 9690SA8E the location of the control module post hole will be

different. <http://lubimka-nova.ru//fckeditor/editor/filemanager/connectors/phppliki/comfort-aire-bhd-501-d-manual.xml>

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Remove the screw head from the plastic post on the BBU control module and set it aside you will reattach it soon. Figure 11. The battery can be mounted in 3 different positions, as marked on the board see Figure 14. Use the position that will make it easiest to connect the battery power cable to the BBU control module on the 3ware RAID controller. Press down on the top of the battery module to free the clip on the bottom of the module. While pressing down on the top of the battery module, lift out the bottom of the battery module slightly. AMCC also offers tollfree 1 800 8406055 or 1 858 535 6517 direct phone support during normal business hours. This publication may be copied or reproduced for reference purposes only. All other purposes require the express written consent of AMCC, 215 Moffett Park Drive, Sunnyvale, CA 94089. Chapter Description 1 Getting Started Overview of the 3ware RAID controller and important safety factors to keep in mind during installation 2 Installing Your 3ware How to install your 3ware RAID controller RAID Controller 3 Installing a Battery How to install and maintain a BBU Backup Unit The following additional documentation is available for your 3ware RAID These cables have multilane cable plug connectors on each end Figure 6. Figure 6. Multilane Cable Serial ATA SFF8087 SFF8088 to SFF8088 Multilane cables For use with the 9690SA8E and 9690SA4I4E 3ware RAID con In order to use enclosure support services, such as locating a drive by blinking an LED or notificati The 3ware 9690SA RAID controller card should be installed by technically qualified persons. If you are uncomfortable opening

a computer system and conforming to standard ESD electrostatic discharge practices, you should have a computer tHigh voltages may be found inside computer equipment. Before installing any of the hardware in this package or removing the protective covers of any computer equipment, turn off power switches and disconnect power

cords.<http://accesoriosalmayor.com/images/userfiles/comfort-aire-dehumidifier-manual.xml>

Do not reconnect the power cords until the hardware is installed and the system cover is closed. Protecting Equipment and Data Heat Sink Warning. Do not replace the faThe onboard heat sink collects heat, and must have adequate airflow in order to disburse it. It is important that the cables do not obstruct the air flow or prevent proper ventilation of the system. Selecting the Slot in Which to Install the Controller Consider these factors when deciding on the slot iFor details, see "Chapter 3. Installing a Battery Backup UnTurn off power to the computer and disconnect the power cord from the outlet. 2 Make sure you are properly grounded. For details about safety precautions, see page 8. 3 Open the computer case according to the manufacturer's instructions. 4 Locate the PCI Express slot you want to use for the 3ware 9690SA RAID controller. For a discussion of which slot to use, If in doubt about what slots you have, check the documentation for your motherboard. Do NOT use a PCI or PCIX slot. 8 Check that the 3ware RAID controller's metal bracket covers the hole in the case and secure the Internal Connectors The 9690SA8I, 9690SA8IF, 9690SA4I, and 9690SA4I4E controller cards have internal connectors and use the SFF8087 cable. Insert the SFF8087 cable plug into the multilane connector on the controller. When the cable is inserted correctly, you will feel it click into place. FiguInsert the SFF8088 cable plug connector into the multilane external connector of the controller. When the plug is inserted correctly, you will feel it click into place. Figure 10. Connecting a Multilane Cable with an SFF8088 Connector to the 9690SA8E Controller Connect the Cables to Backplanes After installing your 3ware RAID controlFinishing Up the RAID Controller Installation After you have installed the controller in the computer and attached appropriate cables to the controller and drives, complete the following steps to complete the hardware installation. Connect Battery.

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All other purposes require the express written consent of AMCC, 215 Moffett Park Drive, Sunnyvale, CA 94089. This guide tells you how to install it. Using an incorrect cable can result in drives that are not detected. Page 9 Cables SFF8087toSFF8087 Multilane cables Use with an internal connector of the 9690SA8I, 9690SA8IF, 9690SA4I, or 9690SA4I4E 3ware RAID controller. A list of systems that have been tested is available at Enclosure Requirements In order to attach more than four drives per connector, enclosures with expanders are required. The 3ware 9690SA RAID controller card should be installed by technically qualified persons. Page 13 Safety Information Personal Safety When Installing the 9690SA RAID Controller in Your Computer Warning. High voltages may be found inside computer equipment. Before installing any of the hardware in this package or removing the protective covers of any computer equipment, turn off power switches and disconnect power cords. Do not reconnect the power cords until the hardware is installed and the system cover is closed. Protecting Equipment and Data Heat Sink Warning. Page 14 Chapter 1. Getting Started Installation Considerations Air Flow, Cable Length, and Routing Space Adequate airflow and ventilation are particularly important for 3ware 9690SA RAID controllers. The onboard heat sink collects heat, and must have adequate airflow in order to disburse it. It is important that the cables do not obstruct the air flow or prevent proper ventilation of the system. Page 15 Chapter 2. Installing Your 3ware RAID Controller Tools You Need You will need the following tools during installation An ESD grounding strap or mat A Phillips screwdriver Before You Start 3ware 9690SA RAID controllers can be installed in a standard enclosure or in an enclosure with a backplane. 1 Be sure to read "Safety Information" on page 8 in Chapter 1. 2 If you have a Battery Backup Unit BBU, install it before proceeding. For details, see "Chapter 3.

<http://www.immobiliaregriffoni.com/images/canon-mp-600-owners-manual.pdf>

Page 16 Chapter 2. Installing Your 3ware RAID Controller Install the Controller in the Computer 1 If the computer is running, shut it down. Turn off power to the computer and disconnect the power cord from the outlet. 2 Make sure you are properly grounded. For details about safety precautions,

see page 8. 3 Open the computer case according to the manufacturer's instructions. 4 Locate the PCI Express slot you want to use for the 3ware 9690SA RAID controller. Page 17 Install the Controller in the Computer 7 Press down gently on the edge of the 3ware RAID controller directly above the PCI Express slot until it is fully seated. Figure 8. Inserting Controller Into PCI Express Slot Use a PCI Express slot for the 3ware 9690SA controller. If in doubt about what slots you have, check the documentation for your motherboard. Do NOT use a PCI or PCIX slot. Page 18 Chapter 2. Installing Your 3ware RAID Controller Attach the Cables to Your Controller The internal and external connectors of the 9690SA RAID controller accept different cable connector plugs. Internal Connectors The 9690SA8I, 9690SA8IF, 9690SA4I, and 9690SA4I4E controller cards have internal connectors and use the SFF8087 cable. Insert the SFF8087 cable plug into the multilane connector on the controller. When the cable is inserted correctly, you will feel it click into place. Figure 9. Page 19 Connect the Cables to Backplanes External Connectors The 9690SA8E and 9690SA4I4E controller cards have external connectors and use the SFF8088 cable. Insert the SFF8088 cable plug connector into the multilane external connector of the controller. When the plug is inserted correctly, you will feel it click into place. Figure 10. Page 20 Chapter 2. Installing Your 3ware RAID Controller Note If your backplane has individual connections for each drive, or if you do not have a backplane, you can directly connect up to 4 drives per internal connector through use of a breakout cable.

Finishing Up the RAID Controller Installation After you have installed the controller in the computer and attached appropriate cables to the controller and drives, complete the following steps to complete the hardware installation. Page 21 Chapter 3. Installing a Battery Backup Unit The Battery Backup Unit BBU is an optional add-on consisting of a control module and a battery pack. When used with the 3ware 9690SA RAID controller, the BBU control module is mounted on the RAID controller and the battery pack is installed on a remote battery board. The BBU's purpose is to supply power to the controller's memory module in the event of a system power loss. Page 22 Chapter 3. Installing a Battery Backup Unit Before You Start Before installing the BBU, do the following 1 Decide which expansion slot locations to use for the 3ware RAID controller and the remote battery board. 2 For the remote battery board, consider ventilation and convenience of access for battery replacement. If possible, leave a space for airflow around the remote battery board, as battery life is shortened by excessive heat. Page 23 Installing the Control Module To install the control module Note The following illustrations show the 9690SA4I4E. If you have a 9690SA8E the location of the control module post hole will be different. 1 Remove the screw head from the plastic post on the BBU control module and set it aside you will reattach it soon. Figure 11. Page 24 Chapter 3. Installing a Battery Backup Unit 3 Press down gently until the BBU is seated. Figure 13. BBU control module connected to the controller 4 Turn the controller over, insert the plastic screw head that you removed in step 1 into the plastic post, and tighten it gently but firmly. Do not overtighten! 5 If necessary, attach the extension cable to the BBU control module in order to reach the intended location of the remote battery board. 6 Install your 3ware RAID controller.

www.onekaddy.com/wp-content/plugins/formcraft/file-upload/server/content/files/1626bf6f32ecc6---91-dodge-stealth-manual-transmission.pdf

Page 25 Installing the Remote Battery 3 Select the battery location on the remote battery board. The battery can be mounted in 3 different positions, as marked on the board see Figure 14. Use the position that will make it easiest to connect the battery power cable to the BBU control module on the 3ware RAID controller. Note You can mount a second battery on the board, if you have another controller. Figure 14. Page 26 Chapter 3. Installing a Battery Backup Unit 4 Mount the battery in the selected location by snapping it in place. Note The battery will drain if it is plugged into the BBU and there is no power to the unit. Page 28 Chapter 3. Installing a Battery Backup Unit Replacing the Battery The Battery Backup Unit BBU will last for many years. The BBU battery has an expected life

span of one to two years depending on usage. You can check the current status of the battery, and test it. To obtain a replacement battery module, contact AMCC. Page 29 Replacing the Battery Figure 17. Removing the power cable from the BBU module Press down on the leverlike clip and pull the connector out. 3 Remove the remote battery board from your system. While every attempt is made to make this document as accurate as possible, AMCC assumes no responsibility for errors or omissions in this document, nor does AMCC make any commitment to update the information contained herein. Chapter 2. Installing Your 3ware RAID Controller. 10 Appendix Technical Support. 26. Sales and ordering information. 26 Feedback on this manual. 26 Online help is also available when you are using 3DM 2 3ware Disk Manager. Additional support information is available in the 3ware Knowledgebase, at this website Two internal Multilane connectors. Heat Sinks. Figure 3. 8Port 3ware 9690SA8IF Serial ATA RAID Controller. I2C connector BBU connector and hole for post I2C jumper 1. Two internal Multilane connectors. Buzzer. Buzzer Jumper Heat Sinks One external Multilane.

BBU connector and hole I2C connector One internal Multilane connector. Heat Sinks. Cables Figure 6. Multilane Cable Serial ATA SFF8087. SFF8088 to SFF8088 Multilane cables. For use with the 9690SA8E and 9690SA4I4E 3ware RAID controller cards, the SFF8088 cable connects the external card connector to an external enclosure or backplane. The 3ware 9690SA RAID controller card should be installed by technically qualified persons. Protecting Equipment and Data. Heat Sink Warning. Do not replace the factory installed heat sink shipped with the 3ware 9690SA RAID controller. Replacing the heat sink will alter thermal characteristics and cooling requirements and may cause the controller to fail. Excessive force can damage the board or your system. Locate the PCI Express slot you want to use for the 3ware 9690SA RAID controller. For a discussion of which slot to use, slot pins when pushed into place. Figure 8. Inserting Controller Into PCI Express Slot. Use a PCI Express slot for the 3ware 9690SA controller. Attach the Cables to Your Controller. The internal and external connectors of the 9690SA RAID controller accept different cable connector plugs. Internal Connectors. External Connectors. The 9690SA8E and 9690SA4I4E controller cards have external connectors and with an SFF8088 Connector to the 9690SA8E Controller. Connect the Cables to Backplanes. The user guide is included on the 3ware CD that came with your controller. It is also available from the 3ware website at You will need. To install the control module. Note The following illustrations show the 9690SA4I4E. If you have a 9690SA8E the location of the control module post hole will be different. 1 Remove controller. Figure 12. BBU control module ready to connect to the controller Install your 3ware RAID controller. Wait to plug the battery into the BBU until the system is ready for use. Caution There is a risk zu erhalten, wenden Sie sich an die AMCC.

You can run the battery test from the BBU page of either 3BM or 3DM 2, or by using the 3ware CLI. Your feedback is welcome. If anything in the guide seems unclear please let us know. You can contact support by logging in and using Web Support at. Please try again. Please try your search again later. You can edit your question or post anyway. Cables not included. RoHS 6 of 6 compliant. If you are a seller for this product, would you like to suggest updates through seller support Amazon calculates a products star ratings based on a machine learned model instead of a raw data average. The model takes into account factors including the age of a rating, whether the ratings are from verified purchasers and factors that establish reviewer trustworthiness.

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