



## 3 Gb SAS HBA v2 Quick Installation Guide

Before using this information and the product it supports, read the “IBM Statement of Limited Warranty” in the *IBM 3 Gb SAS HBA v2 Installation and User’s Guide* on the *IBM Support CD* that comes with the SAS HBA.

This *Quick Installation Guide* provides information about installing the SAS HBA. For more information, see the *Installation and User’s Guide*.

### Statement 1:



### DANGER

Electrical current from power, telephone, and communication cables is hazardous.

To avoid a shock hazard:

- Do not connect or disconnect any cables or perform installation, maintenance, or reconfiguration of this product during an electrical storm.
- Connect all power cords to a properly wired and grounded electrical outlet.
- Connect to properly wired outlets any equipment that will be attached to this product.
- When possible, use one hand only to connect or disconnect signal cables.
- Never turn on any equipment when there is evidence of fire, water, or structural damage.
- Disconnect the attached power cords, telecommunications systems, networks, and modems before you open the device covers, unless instructed otherwise in the installation and configuration procedures.
- Connect and disconnect cables as described in the following table when installing, moving, or opening covers on this product or attached devices.

#### To Connect:

1. Turn everything OFF.
2. First, attach all cables to devices.
3. Attach signal cables to connectors.
4. Attach power cords to outlet.
5. Turn device ON.

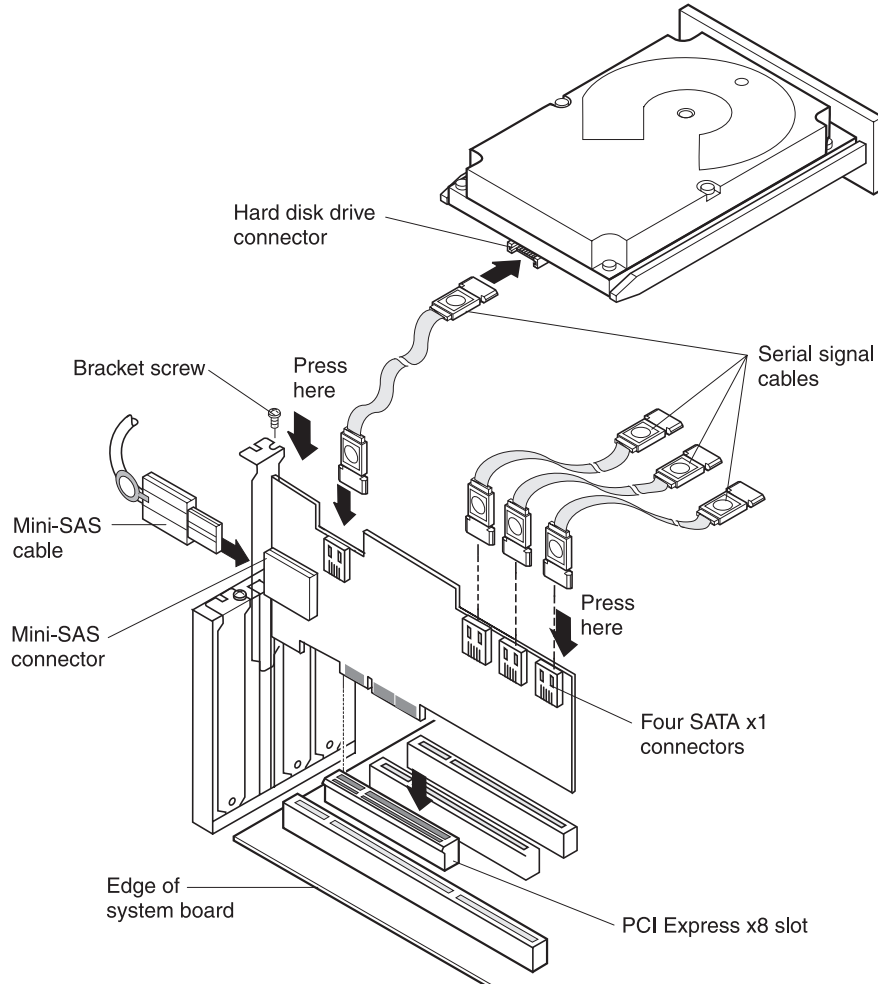
#### To Disconnect:

1. Turn everything OFF.
2. First, remove power cords from outlet.
3. Remove signal cables from connectors.
4. Remove all cables from devices.

To install the IBM® 3 Gb SAS HBA v2 in a server, complete the following steps.

1. Read the safety information that comes with the SAS HBA.
2. Turn off the server and peripheral devices and disconnect the power cords. Remove the server cover.
3. Touch the static-protective package that contains the SAS HBA to any unpainted surface on the outside of the server; then, grasp the controller by the top edge or upper corners and remove it from the package and inspect it for damage. Contact your IBM marketing representative or authorized reseller if the SAS HBA appears to be damaged.

4. (Optional) Remove the preinstalled expansion-slot bracket and replace it with the low-profile bracket.
5. Determine which PCI Express slot that you will use. Depending on the server model, you might have to remove the expansion-slot cover for the selected PCI Express slot. To remove the expansion-slot cover, you might have to remove the expansion slot screw. Place the removed parts in a safe place. For detailed instructions for installing the SAS HBA in your server, see the *User's Guide* that comes with the server.



6. Position the SAS HBA by aligning the PCI Express x8 connector with the PCI Express x8 slot on the system board. Insert the SAS HBA firmly into the connector.
7. Replace the expansion-slot cover to secure the SAS HBA to the server chassis. Replace the expansion-slot screw if you removed it in step 5.
8. Connect the serial cables between the SATA x1 internal connectors on the SAS HBA and the serial hard disk drives.
9. Replace the server cover.
10. Reconnect the power cords and then, turn on the server. Make sure that the green heartbeat LED on the front bracket of the SAS HBA is lit.

For information about configuring the SAS HBA, see the *Installation and User's Guide*.



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