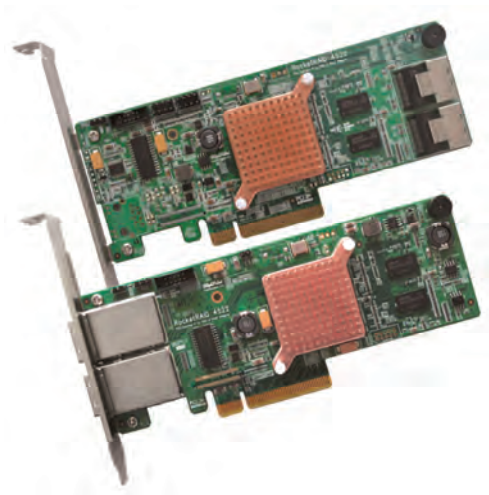




RocketRAID 4520/4522

6Gb/s SAS/SATA RAID Host Adapter



Quick Installation Guide
v1.1
Oct. 22, 2012

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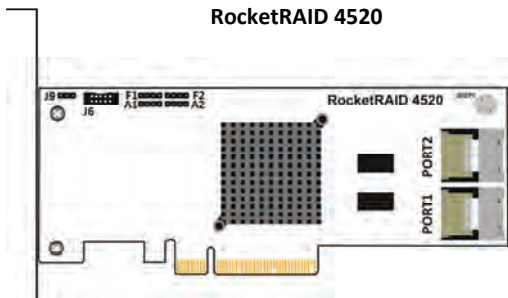
Hardware Installation

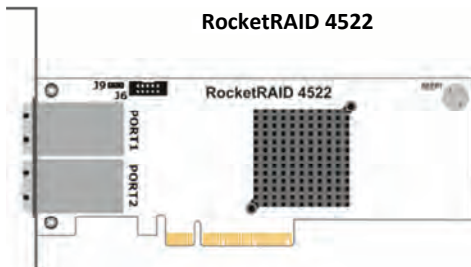
RocketRAID 4500 RAID-on-Chip HBA's are optimized for I/O intensive storage configurations. The dedicated processor and 512MB of onboard DDR3 cache memory offloads RAID processing from the host system, ensuring stable and high-performance data transfer.

Kit Contents

- RocketRAID 4520/4522 Host Adapter
- Two mini-SAS cables : SFF-8087 to 4*SATA
- (Only for RocketRAID 4520)
- Low Profile Bracket
- Quick Installation Guide
- Software CD

Board Layout





Connector and Jumper description

Connector / Jumper description	RocketRAID 4520	RocketRAID 4522
J9	I2C connector	
J6	BBU connector	
A1, A2	Active LED PIN	N/A
F1, F2	Fail LED PIN	N/A
PORT1, PORT2	Mini-SAS Port (SFF-8087)	Mini-SAS Port (SFF-8088)

BBU connector:

This connector is for the optional battery backup unit (BBU-05).

Active/FAIL LED PIN connector:

This connector is one-pin connection from HBA to LED on chassis. For detail LED connection requirement and display information, please refer to:

http://www.highpoint-tech.com/pdf/LED_connection.pdf

Installing the RocketRAID 4500 Series HBA

Note: Make sure the system is powered-off before installing the host adapter.

1. Open the system chassis and locate an unused PCI-E (2.0 or 1.0) ×8 (or x16) slot.
2. Remove the PCI-E slot cover.
3. Gently insert the RocketRAID 4520/4522 into the PCI-E slot, and secure the bracket to the system chassis.
4. After installing the adapter, attach the hard disks or backplane enclosure to the host adapter using the mini-SAS cables.
5. Close and secure the system chassis.

Using the RocketRAID 4500 Series HBA

Driver and Software Installation (Windows)

1. After installing the RocketRAID 4500 series host adapter, boot to the Windows operating system.
2. Windows should automatically detect the card, and display the “Found New Hardware Wizard”.
3. Insert the HighPoint software CD to a CD/DVD drive.
4. Windows will popup the CD auto-run program. Allow to run the CD by click the “Run Setup.exe”
5. The HighPoint software Install program interface will be pop-up. Click the “Install Driver” button to install the Device Driver for RocketRAID 4500 Series HBA.



6. A system reboot is required to complete the driver installation.
7. After system reboot, check Windows Computer>Manage>Device Manager>Storage controllers to verify if the RocketRAID 4500 Series HBA Device Driver is installed normally.

Driver and Software Installation Linux, FreeBSD and Mac OS X

Please refer to the Driver Installation Guide and README file under the driver package for the installation steps.

Software location (RocketRAID Software CD):

/Driver/RR452x/

Please always check HighPoint website for latest software download.

Using HighPoint RAID Management software

The HighPoint RAID Management software provides RAID configuration and management features. The software can be installed from the HighPoint software CD. Browse to the location of the HighPoint RAID Management software.

Windows

Software location (RocketRAID Software CD):

/Management_Software/RocketRAID_series/Web_RAID_Management/Windows

1. Double click the “HighPoint RAID Management_vXXX.exe” setup program to install the management software.
2. After the setup is completed, double click the program shortcut on the Windows desktop to run HighPoint RAID Management software:



Linux & FreeBSD

Software location (RocketRAID Software CD):

/Management_Software/RocketRAID_series/Web_RAID_Management/Linux (or FreeBSD)

Please refer to the README file for installation steps.

OS X (Only for RocketRAID 4522)

Software location (RocketRAID Software CD):

/Driver/RR452x/Mac

Please refer to the Installation Guide under the folder for installation steps.

Please refer to the online help of “How to Use Web RAID Management Utility”: <http://www.highpoint-tech.com/help/>

Customer Support

If you encounter any problems while utilizing RocketRAID series host adapters, or have any questions about this or any other HighPoint Technologies, Inc. product, feel free to contact our Customer Support Department.

HighPoint Technologies, Inc. websites:

<http://www.highpoint-tech.com/>

Web Support: <http://www.highpoint-tech.com/websupport/>

FCC Part 15 Class B Radio Frequency Interference

Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment under FCC rules.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

European Union Compliance Statement

This Information Technologies Equipment has been tested and found to comply with the following European directives:

- European Standard EN55022 (1998) Class B
- European Standard EN55024 (1998)

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