Adaptec Support Knowledgebase

Answer ID
15341

Products
- Serial ATA / SATA
  - Adaptec SATA RAID 2410SA
  - Adaptec SATA RAID 2810SA
  - Adaptec SATA RAID 21610SA
  - Adaptec SATA II RAID 1220SA
  - Adaptec eSATA II RAID 1225SA
  - Adaptec SATA II RAID 1420SA
  - Adaptec SATA II RAID 1430SA
  - Adaptec SATA II RAID 2420SA
  - Adaptec SATA II RAID 2820SA
- ICP / SAS
  - ICP9085LI
  - ICP5085BR
  - ICP5045BL
  - ICP5085BL
  - ICP5805BL
  - ICP5125BR
  - ICP5165BR
- ICP / SATA
  - ICP9047MA
  - ICP9087MA
- Serial Attached SCSI (SAS)
  - Adaptec RAID 2045
  - Adaptec RAID 2405
  - Adaptec Serial Attached SCSI 44300
  - Adaptec Serial Attached SCSI 48300
  - Adaptec Serial Attached SCSI 58300
  - Adaptec Serial Attached SCSI RAID 4800
  - Adaptec Serial Attached SCSI RAID 4805
  - Adaptec RAID 4000
  - Adaptec RAID 3405
  - Adaptec RAID 3805
  - Adaptec RAID 3085
  - Adaptec RAID 31205
  - Adaptec RAID 31605
  - Adaptec RAID 5085
  - Adaptec RAID 5405
  - Adaptec RAID 5445
  - Adaptec RAID 5805
  - Adaptec RAID 51245
  - Adaptec RAID 51645
  - Adaptec RAID 52445

Category
Troubleshooting / Error Messages

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Everyone

Known Issues with Seagate Barracuda 7200.11 SATA II Disk Drives

Question

The array keeps failing drives. The controller error log shows continuous "aborted command" messages when using Seagate Barracuda 7200.11 SATA II Desktop Disk Drives. Is this a known issue with these drives?

This information applies to the following Operating System(s):

- This information is not Operating System specific

Answer

Yes, there are known issues with some of the Seagate Barracuda 7200.11 SATA II Desktop Disk Drives. Please see the following table for details on supported and unsupported configurations:

Adaptec RAID Controller Models	**ST3500320AS, 500GB**	**ST31500341AS, 1500GB**
	ST3500620AS, 500GB	
	ST3500820AS, 500GB	
	ST3640530AS, 640GB	
	ST3640330AS, 640GB	
	ST3750330AS, 750GB	
	ST3750630AS, 750GB	
	ST31000340AS, 750GB	
Series 2: 2405, 2045	not supported	supported, drive firmware* SD1A, SD1B or CC1H recommended
Series 3: 3405, 3805, 3085, 31205, 31605	supported, drive firmware* SD1A or later recommended	under validation
ICP SAS: ICP5045BL, ICP5085BL, ICP5805BL, ICP5125BR, ICP5165BR	supported, drive firmware* SD1A or later recommended	under validation
Series 5: 5405, 5445, 5805, 5085	not supported	supported, drive firmware* SD1A, SD1B or CC1H recommended
Series 5: 51245, 51645, 52445	supported, drive firmware* SD1A or later recommended	supported with drive firmware SD1A or SD1B only°°
SATA I RAID: 2410SA, 2810SA, 21610SA	supported, drive firmware* SD1A or later recommended	not supported

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SATA II RAID: 2420SA, 2820SA, ICP9047MA, ICP9087MA	supported, drive firmware* SD1A or later recommended	not supported
SATA HostRAID: 1210SA, 1220SA, 1225SA, 1420SA, 1430SA	supported, drive firmware* SD1A or later recommended	under validation
SAS RAID: 4000, 4800SAS, 4805SAS, ICP9085LI, ICP5085BR	supported, drive firmware* SD1A or later recommended	under validation
SAS HostRAID: 44300, 48300, 58300	supported, drive firmware* SD1A or later recommended	under validation

*Drive Firmware Updates can be obtained from Seagate. Please see the Seagate Knowledgebase for details regarding the firmware issue and for download options.

Note: There will be no fix for "not supported" configurations in future. They are either based on incompatibility or architectural limits.

°°There are two generations of the ST31500341AS drive. Drives with a firmware version starting with "CC" cannot be flashed to firmware SD1A or SD1B and therefore cannot be used with the Series 5 high-port count cards (51245, 51645, 52445).

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- Product Compatibility Reports and Integration Guides for Adaptec Controller
- Seagate hard drives are not detected at POST.
- Serial (SAS and SATA) connectors and cables

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