

{Spam?} Re: problems with an SATA drive on nVidia3 controller

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- *From:* Volker <volker@xxxxxxxxxxx>
 - *Date:* Mon, 03 Apr 2006 04:40:19 +0200
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Hello!

We have an amd64 machine with an nVidia3 SATA controller on motherboard.

[...]

```
ad6: WARNING - WRITE_DMA UDMA ICRC error (retrying request) LBA=249306496
ad6: WARNING - WRITE_DMA UDMA ICRC error (retrying request) LBA=261467776
ad6: WARNING - WRITE_DMA48 UDMA ICRC error (retrying request) LBA=273629312
ad6: FAILURE - WRITE_DMA48 status=51<READY,DSC,ERROR>
error=10<NID_NOT_FOUND> LBA=273629312
```

Is this controller working for others? We connected the disk to it in preference to the Silicon Image connectors, which are also present on-board, because SI has poor reputation :-(

Is this controller supposed to work? Thanks!

-mi

Mikhail,

I've had a similar problem (or probably still have).

Someone answered to my post this might be a SATA-cable problem and this seems to be true. As far as I'm aware of the ICRC error message might be a hint to an interface problem.

The system(s) I was seeing this kind of problem are providing SATA on board (VIA 6420).

Whenever the problem occurs, the drive isn't being seen by the OS anymore until a reboot (atacontrol list doesn't show the failed drive anymore) and SMART shows DMA error and ICRC error messages.

I really guess it's a cable problem. On the other side I've seen this problem only on RELENG_6_0 systems (but this does not say it's a FreeBSD problem).

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AsRock (the mainboard manufacturer) also asked me to change the SATA cable and they told me to change the disks jumper settings of the failed drive to run on SATA150 (if it's a SATA300 disk).

Because my troubled box is remote, I've been unable to check those both suggestions. Probably you may check that first if it solves your problem.

Greetings,

Volker

freebsd-stable@xxxxxxxxxxx mailing list

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