

## Re: VIA 8235 UDMA ICRC errors

**Source:** <http://unix.derkeiler.com/Mailing-Lists/FreeBSD/current/2004-04/0805.html>

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**From:** Yura Socolov (*fbbsd-current.z.yurasocolov\_at\_xoxy.net*)

**Date:** 04/14/04

Date: Tue, 13 Apr 2004 21:43:08 -0500  
To: Martin Hudec <corwin@aeternal.net>

On Tue, Apr 13, 2004 at 09:03:15AM +0200, Martin Hudec wrote:

> *I did see the same error, but it was caused by bad ide controller on*  
> *mainboard. Check cable connections, replace the cables, download and use*  
> *vendor's diagnostic utility.*

I've tried replacing pretty much everything, including power supplies, drives and motherboards. And even versions of FreeBSD. If it has a 8235, it doesn't work, period.

After talking off-line with Doug White, though, i am under impression that it has something to do with the size of the drive as well. He says his kt400/8235 works fine with an 80G drive. All my test drives have been 160G, and i don't have a smaller drive that could do UDMA100. All of them failed on my kt400/8235.

I solved it for myself by getting a KT600/8237 motherboard (DFI), and i still think something is very fishy about 8235. Unfortunately, though, i don't have resources to verify that or troubleshoot it further. I spent a week on this already.

Thank you for your advice, and the same goes to Doug White. Appreciate your help very much.

— Yura Socolov <nospam> FP: A7192ABD96E15F5 19AB21E60C34109

— <http://users.binary.net/yura/>

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-- Opinions and views in this message are my own and my own only.

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-- "Two wrongs don't make a right... and three rights make a left." -- TRACON

> On Thu, Apr 08, 2004 at 11:26:11PM -0500 or thereabouts, Yura Socolov wrote:

> > Following is a message i sent to -hardware last night. I have since tried  
> > this on -current as of today and, since i get the same kind of behavior, i  
> > thought i'd ask here as well.

> >

> > The errors i'm getting are like this:

> >

> > ad0: WARNING - WRITE\_DMA UDMA ICRC error (retrying request) LBA=297945007

> > ad0: WARNING - WRITE\_DMA UDMA ICRC error (retrying request) LBA=297945007

> > ad0: FAILURE - WRITE\_DMA status=51<READY,DSC,ERROR> error=84<ICRC,ABORTED> LBA=297945007

> >

freebsd-current: Re: VIA 8235 UDMA ICRC errors

> > Errors seem to snowball after a few minutes after boot, unless bg fsck kicks  
> > in, in which case they are there right away.  
> >  
> > This is on a Shuttle AK32VN motherboard (KT266, 8235) with a samsung 160G disk,  
> > but as mentioned below other VIA-based motherboards manifest the same problems.  
> >  
> > I guess question at this point is whether this is something that's temporarily  
> > broken, bad hardware (but it works with other motherboards), something that is  
> > no longer supported or something else.  
> >  
> > Or i'm doing something wrong.  
> >  
> > Any advice would be appreciated, thank you.  
>  
> --  
> Martin Hudec | corwin at aeternal.net  
> | corwin at web.markiza.sk  
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