

Re: [PATCH 2.6.9-rc3-mm2] EDD: use EXTENDED READ command, add CONFIG_EDD_SKIP_MBR

Source: <http://linux.derkeiler.com/Mailing-Lists/Kernel/2004-10/1711.html>

From: Jeff Garzik (jgarzik_at_pobox.com)

Date: 10/07/04

Date: Thu, 07 Oct 2004 01:32:04 -0400

To: Matt Domsch <Matt_Domsch@dell.com>

Matt Domsch wrote:

> On Thu, Oct 07, 2004 at 12:39:54AM -0400, Jeff Garzik wrote:

>

>> Alas, this does not eliminate the 30-second delay on my box.

>

>

> OK, thanks for trying. So it's not the READ SECTORS call itself
> that's the problem.

>

>

>> Just to re-emphasize, I feel a particularly relevant detail is that my

>> VIA-based Athlon64 box has *_all_ PATA ports disabled.*

>>

>> I am fairly certain that the delay did not exist when I enabled at

>> least one PATA port, and I can verify this if you would like.

>

>

> Yeah, that'd be good to know. The PATA controller doesn't show up in
> your `lspci` results from 5 July, so I'm sure you had it turned off then too.

>

> BIOS reports having 4 disks in your system. Does that match
> what you would expect?

>

> Your boot disk is on this Promise controller, yes?

> 00:0d.0 RAID bus controller: Promise Technology, Inc. PDC20378

> (SATA150 TX) (rev 02)

>

> The second disk is on a different controller though, with its own EDD
> 3.0-compliant BIOS.

> 00:0f.0 RAID bus controller: VIA Technologies,

> Inc. VIA VT6420 SATA

> RAID Controller (rev 80)

> Subsystem: Micro-Star International Co., Ltd. MSI Neo K8T

> FIS2R mainboard

>

Linux-Kernel: Re: [PATCH 2.6.9-rc3-mm2] EDD: use EXTENDED READ command, add CONFIG_EDD_SKIP_MB

- > *Then BIOS says you've got two more disks.*
- > *Both disks 82 and 83 look remarkably small (20808 sectors each,*
- > *~10MB). And I would bet there's no media present, as there's no*
- > *mbr_signature field given... So BIOS says there's a disk there, but*
- > *there really isn't. Which could cause the kind of timeout you're*
- > *seeing. To what are these attached? It's the BIOS for this*
- > *controller that's probably what's lying.*

One SATA disk is attached to the Promise SATA controller, and one SATA disk is attached to the VIA SATA controller.

I think the Promise controller boots first, but I could be wrong.

I'll try enabling a PATA port sometime when it isn't 1:30am :)

Jeff

—

To unsubscribe from this list: send the line "unsubscribe linux-kernel" in the body of a message to majordomo@vger.kernel.org

More majordomo info at <http://vger.kernel.org/majordomo-info.html>

Please read the FAQ at <http://www.tux.org/lkml/>

Re: [PATCH 2.6.9-rc3-mm2] EDD: use EXTENDED READ command, add CONFIG_EDD_SKIP_MBR