

## Re: BTX loader crash on AM2 Asus M2N32 WS mainboard

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- *From:* Andre Oppermann <[andre@xxxxxxxxxxxx](mailto:andre@xxxxxxxxxxxx)>
  - *Date:* Thu, 29 Nov 2007 13:18:05 +0100
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Andrey V. Elsukov wrote:

Andre Oppermann wrote:

The BTX loader crashes on a brand new AM2 Asus M2N32 WS Professional mainboard with nForce790 SLI chipset. The CPU is AMD

Hm.. I think it's nForce 590.

Indeed.

Athlon 64 X2 4800+. The system has got an Areca ARC-1220 8-port PCI-E SATA2 RAID controller, a Intel PCI-X Pro/1000MT NIC and an ATI RV370 based graphics card (Asus EAX1050&TD/256M, PCI-E). RAM is upped to 8GB in 4 times 2GB of Kingston KVR667D2N5/2G (DDR2-667, CL5).

Any suggestions and help appreciated.

Ok. I have the same motherboard and i think your CD drive connected to the integrated Marvell 88SE6141 controller's port.

Yes, the CDROM was connected to the Marvell based PATA port.

It's not supported by the our ATA driver yet. Try to reconnect your CD drive to the NVIDIA controller's port.

That should not make a difference as the kernel isn't yet loaded. It's all within the loader operating through BIOS calls (?). It looks like the Marvell ATA BIOS upsets the loader when booting

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from one its drives.

When reconnecting the CDROM to the nForce based PATA port the loader doesn't crash anymore and the kernel begins to boot until this:

```
atapci0: <nVidia nForce MCP55 UDMA133 controller> port 0x1f0-0x1f7,0x3f6,0x170-0x177,
0x376,0xf400-0xf40f at device 12.0 on pci0
ata0: <ATA channel 0> on atapci0
ata0: [ITHREAD]
ata1: <ATA channel 1> on atapci0
ata1: [ITHREAD]
...
acd0: DVDR <PIONEER DVD-RW DVR-103/2.00> at ata0-master PIO4
...
acd0: FAILURE - READ_BIG MEDIUM ERROR asc=0x11 ascq=0x06
GEOM_LABEL: Label for provider acd0 is iso9660/FreeBSD_Install.
acd0: FAILURE - READ_BIG MEDIUM ERROR asc=0x11 ascq=0x06
```

then it just hangs (not hard though)... Have tried it with two different CDROM drivers from different makers with identical results (the other drive is a plain Toshiba DVDROM). Image is FreeBSD 7.0BETA3 AMD64 burned to a CD-R. Exactly the same problem with BETA3 i386. FreeBSD 6.2R i386 boots into the installer successfully.

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Andre

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