

Re: Transmeta Crusoe + Hitachi Microdrive = no good?

Source:

<http://www.tech-archive.net/Archive/WinXP/microsoft.public.windowsxp.embedded/2005-05/msg00567.html>

- *From:* "Slobodan Brcin \ (eMVP\)" <sbrcin@xxxxxx>
 - *Date:* Wed, 18 May 2005 16:10:08 +0200
-

Rob,

- > I will also try the other method you described, but I would like to
- > understand the problem –not just fix it.

The other method is the way for understanding the problem. Try dividing your image to smallest working/non-working image without any extra drivers.

disk.sys/classnp.sys basically make one driver. classnp.sys is just a function library similar as dll in user mode. But it tell us nothing about the problem :-(

Regards,
Slobodan

"The Rob" <[therob88@\[hotmail\].com](mailto:therob88@[hotmail].com)> wrote in message
[news:ITHe.24636\\$d5.172994@xxxxxxxxxxxxxxxxxxxxxx](mailto:news:ITHe.24636$d5.172994@xxxxxxxxxxxxxxxxxxxxxx)

- > Slobodan,
- >
- > Debugging with Windbg shows that XPe hangs at CLASSPNP.SYS, does this
- > explain the problem?
- >
- > This is what I can see now, the microdrive has been running complete FBA
- > on a different platform (mentioned earlier), so at this moment I can't
- > debug it where it froze before FBA.
- > This is also what I saw when "trying" to boot in safe mode before testing
- > the drive elsewhere (I know it doesn't work, but at least I could see some
- > drivers being loaded).
- > Now I'll copy the image once again and debug it to see what happens before
- > FBA, but I guess it will be CLASSPNP.SYS
- > Can there be some conflict between CLASSPNP.SYS and the Microdrive +
- > Transmeta? I mean, this file is loaded without problems on XPP + HDD, XPe
- > + CF and on other platforms?
- > I will also try the other method you described, but I would like to

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> understand the problem –not just fix it.
>
> Thanks for your help.
>
> BR,
>
> Rob
>
> "Slobodan Brcin (eMVP)" <sbrcin@xxxxxx> skrev i meddelandet
> news:Ov4JnX6WFHA.3584@xxxxxxxxxxxxxxxxxxxxxxxxxxxx
>> Rob,
>>
>>> Otherwise, are there some ways I can find out what happens? I assume
>>> there will not be a ntblog.txt or setupapi.log since it won't go that
>>> far? Is it worth try debugging? I have windbg.
>>> Please advise.
>>
>> Debugging or making a clean project that work by using "minlogon sample
>> macro" are two separate ways left that you can try.
>>
>> I would first take a "minlogon sample macro" in empty project aproach. If
>> this do not work then I would use debugger on this small new image.
>>
>> Debugging freeze problems can be difficult but you could see at least
>> what driver froze.
>>
>> Regards,
>> Slobodan
>>
>> "The Rob" <therob88@[hotmail].com> wrote in message
>> [news:yJFie.24632\\$d5.173018@xxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:yJFie.24632$d5.173018@xxxxxxxxxxxxxxxxxxxxxxxx)
>>> Hi Slobodan,
>>>
>>>> There are no problems with the hardware itself since it works with CF. I
>>>> have also tried other identical boards, same things there.
>>>> There are no drivers for microdrive included in the images that I'm
>>>> testing now.
>>>> The only 3rd party drivers in the image would be C&T 69000 (VGA)
>>>> componentized, but should not be the reason for this (?), the same
>>>> drivers are used for the CF image. Again, the microdrive works fine on
>>>> other platform.
>>>>
>>>> This has something to do with the combination of Transmeta Crusoe TM5800
>>>> & Hitachi Microdrive.
>>>> I found some old notes that I made before when I built the working
>>>> image, but I can't seem to find the right combination now.
>>>> I get the exact same error regardless how I mix them.
>>>> These are some of the components I played with and I know some are
>>>> critical, maybe you can see the solution:
>>>>
>>>> Class installer – Processors

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>>> Class installer – System Devices
>>> Device : DiskDrive
>>> Device : hdc
>>> Device : Processor
>>> IBM Microdrive
>>> Transmeta Crusoe
>>>
>>> Unfortunately this is all documentation I have left (yes, I know that I
>>> should document and keep them in a good place. And I promise I will in
>>> the future.)
>>>
>>> Otherwise, are there some ways I can find out what happens? I assume
>>> there will not be a nbtlog.txt or setupapi.log since it won't go that
>>> far? Is it worth try debugging? I have windbg.
>>> Please advise.
>>>
>>> Thanks in advance,
>>>
>>> Rob
>>>
>>>
>>> "Slobodan Brcin (eMVP)" <sbrcin@xxxxxx> skrev i meddelandet
>>> news:%23IP4FC5WFHA.3176@xxxxxxxxxxxxxxxxxxxxxxxxxxxx
>>>> Hi Rob,
>>>>
>>>>> Progress bar freezes after just a second (the blue bar just moves from
>>>>> left to the right and freezes there). HDD-LED is litten at all time,
>>>>> but I can't see any activity. It can just stay there for hours.
>>>>
>>>> This is very veird and unusual problem in case that hardware
>>>> (processor, memory) is non mailfunctioning.
>>>>
>>>>> The drive is now, and by default marked as, "Removable", but can be
>>>>> "fixed" in run-time. I remember that I tried to make it fixed by
>>>>> including drivers for that before, but then it hung loading that
>>>>> driver.
>>>>
>>>> This is the reason why I asked. Since the highest probability for
>>>> system freeze is some third-party driver and my guess was that you put
>>>> filter driver for microdrive.
>>>> Are you sure that you removed it correctly from registry if it was in
>>>> your image?
>>>>
>>>> Any other non-MS drivers in your image?
>>>>
>>>> Regards,
>>>> Slobodan
>>>>
>>>>> Any ideas?
>>>>>
>>>>> BR,

Re: Transmeta Crusoe + Hitachi Microdrive = no good?

>>>>>
>>>>> Rob
>>>>>
>>>>> "Slobodan Brcin (eMVP)" <sbrcin@xxxxxx> skrev i meddelandet
>>>>> news:eTcejv4WFHA.3584@xxxxxxxxxxxxxxxxxxxxxxxxxxxx
>>>>>> Hi Rob,
>>>>>>
>>>>>> Could you explain the freeze little closely?
>>>>>> BSOD and numbers on the screen.
>>>>>> Infinite boot.
>>>>>> Progress bar is frozen and nothing happen for infinite time?
>>>>>>
>>>>>> Also is this microdrive fixed or removable?
>>>>>>
>>>>>> Regards,
>>>>>> Slobodan
>>>>>>
>>>>>> "The Rob" <therob88@[hotmail].com> wrote in message
>>>>>> news:dPDie.24623\$d5.172843@xxxxxxxxxxxxxxxxxxxx
>>>>>>> Hi group!
>>>>>>>
>>>>>>> I am once again facing the problem with the Transmeta Crusoe
>>>>>>> processor in combination with a Hitachi Microdrive 2GB.
>>>>>>>
>>>>>>> I have read a lot of threads in newsgroups about problems with
>>>>>>> either Transmeta or Microdrive, but no solutions.
>>>>>>>
>>>>>>> 3 months ago I built an image (using SP1) and made two identical
>>>>>>> drives, one was delivered and the 2nd I kept.
>>>>>>>
>>>>>>> Board config looked like this back then: IEI Wafer-6820-733 MHz
>>>>>>> 128MB
>>>>>>>
>>>>>>> Now I'm trying the 2nd drive on a IEI Wafer-6820-800 MHz 256MB, but
>>>>>>> it won't work!
>>>>>>>
>>>>>>> It boots, but freezes just in the beginning of the Windows boot
>>>>>>> splash screen before FBA.
>>>>>>>
>>>>>>> When I first made the build there were a lot of problems before I
>>>>>>> got it to work. I tried with several builds (added one or two more
>>>>>>> components each time) until it finally worked and today I can't
>>>>>>> remember exactly which component made it work (even though I made
>>>>>>> notes). I also saved the different builds and have tried them again,
>>>>>>> but no luck.
>>>>>>>
>>>>>>> The "funny" thing is that it works perfectly with a 512 MB CF from
>>>>>>> SanDisk, SDCFB-512-201-80 (and yes, the image is a little different;
>>>>>>> boot partition size etc.)
>>>>>>>
>>>>>>> Also, the same MicroDrive works on a completely different platform,

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