

Re: Is SATA compatible with IDE Hard drives

Source:

<http://www.tech-archive.net/Archive/WinXP/microsoft.public.windowsxp.hardware/2005-12/msg00234.html>

- *From:* "Anna" <myname@xxxxxxxxxx>
 - *Date:* Sat, 3 Dec 2005 10:24:42 -0500
-

Jonny:

All I can say is that based upon my experience with working with at least a score of SATA-capable motherboards from different manufacturers over the past three years or so, I've yet to encounter a single motherboard that did not permit a boot from a properly-connected PATA hard drive. Now there were (and continue to be) problems with the IDE-to-SATA adapters and perhaps that's what you're referring to when you mention "hard drives (that) wouldn't boot from SATA". But that's not the issue here. We're talking about booting directly to a PATA HD properly connected to its IDE (bootable) motherboard connector.

As I also mentioned to Woodpile, if you are aware of any SATA-equipped motherboard that does *not* possess the capability of which we speak, I would be appreciative of learning its name & model number.

Anna

"Jonny" <billgates@xxxxxxxxxxxxxxxx> wrote in message [news:uDj6d7\\$9FHA.3608@xxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:uDj6d7$9FHA.3608@xxxxxxxxxxxxxxxxxxxxxxxx)

> No, you make perfect sense. I don't own any SATA capable PCs, but I've
> read
> PC hardware and OS newsgroups since 98. Can't recall any special make or
> model PC or motherboard, but when first introduced their were myriads of
> complaints about simultaneous IDE and SATA hard drives, wouldn't boot from
> SATA. You'd have to have your head in the sand back then not to know this
> now. That's why I'm careful reading some people's stuff, they all have
> their own little boxed-in world.

>

> --

> Jonny

> "The Woodpile" <TheWoodpile@xxxxxxxxxxxxxxxxxxxxxxxx> wrote in message
> news:6768F2F3-C892-4956-BE97-6E7B4B4628AB@xxxxxxxxxxxxxxxx

>> I cant tell you the exact motherboards but I know one was a giagbyte with
> the

>> ICH5 chipset. The SATA drive will boot fine as long as you do not have an
> IDE

>> hard drive on the primary controller. Im sure you have seen BIOS setting
> that

>> will allow you to set up a SATA drive to look its on the primary IDE?

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>> This
> is
>> where the problem is. Some manufacturers have not implemented the choice
> to
>> choose wether to do this or not. On these particular boards you can not
> have
>> anything on the primary IDE if you want to boot to the SATA because it
> views
>> them as the same connection. Even though they are not. The weird thing is
> you
>> can use the SATA drive for data storge while booting to the Primary IDE.
>>
>> I have only seen this on a few boards. They were all ICH5 chipsets. Im
>> not
>> sure if this is just coincidence or not.
>>
>> I would guese that 99% of board models do not have this problem. I just
>> wanted to mention it because we have had this issue.
>>
>> I hope I am explaining this ok Anna. I am dislexic so sometimes when I
>> explain something it looks ok to me but it makes no sence to someone
>> else.
>> HeHe.
>>
>> The Woodpile
>>
>> "Anna" wrote:
>>
>> >> "Dave Neve" <NoAddressForSpammers@xxxxxxx> wrote in message
>> >> news:eTThnTy9FHA.904@xxxxxxxxxxxxxxxxxxxxxxxxxxxx
>> >> > Hello
>> >> >
>> >> > I would like to know if I put together a new computer with a SATA
>> >> > drive,
>> >> > would I be able to install a second IDE HD (cos I have one
>> >> > already)
>> >> >
>> >> > Would both HD's be able to boot the system as I normally have a
> > dual
>> >> > boot
>> >> > system also
>> >> >
>> >> > Thanks
>> >> >
>> >> > Dave Neve
>> >
>> >
>> >> "Pegasus (MVP)" wrote:
>> >>>
>> >>> This depends entirely on the BIOS you have. I recommend
>> >>> you check out its boot options.

Re: Is SATA compatible with IDE Hard drives

>>>
>>>
>>> "The Woodpile" <TheWoodpile@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in message
>>> news:30512D4F-C8C0-47A3-A837-10BB052F66F4@xxxxxxxxxxxxxxxxxxxx
>>>> Also some of the boards ive seen will not let you boot to the SATA
>>>> drives
>>>> if you have a hard drive on the primary IDE controller. (A bios issue
> like
>>>> Pegasus was pointed out) This could cause complications. If you run
> into
>>>> this
>>>> you have the option of putting the IDE hard drive on the secondary
>>>> controller.
>>>>
>>>> As long as you dont need access to data on the drive your not
> booting
>>>> too you should be able to just disable the SATA or IDE controller in
> the
>>>> BIOS
>>>> on boot up. This is what I do at home. This will also keep you from
>>>> accidently giving a virus to your other OS. Not that you would.
>>>>
>>>> The Woodpile
>>>>
>>>> The Woodpile
>>>
>>>
>>> Dave:
>>> I'm rather puzzled by "The Woodpile" comments re the inability of
>>> SATA-capable motherboards not being able to boot to a SATA drive. I've
>>> worked with a fair number of these boards from a variety of
> manufacturers
>>> and I've yet to find a single SATA-capable motherboard that would not
> permit
>>> a boot from a properly connected SATA HD. And in every case I've
> encountered
>>> where a PATA (IDE) HD was installed in addition to a SATA drive, there
> is a
>>> BIOS option to boot from either drive. It is true that some boards are,
> *in
>>> addition*, also equipped with IDE connectors that will not allow a
> connected
>>> HD to boot from that connector as they're basically designed for
>>> optical
>>> drives.
>>>
>>> If "The Woodpile" or Pegasus have encountered SATA-capable motherboards
> not
>>> having the above capability of which I speak, I certainly would like to
> know
>>> their makes & models.

>>> Anna
>>>
>>>
>>>
>
>

• **References:**

- ◆ **Is SATA compatible with IDE Hard drives**
◇ From: Dave Neve
 - ◆ **Re: Is SATA compatible with IDE Hard drives**
◇ From: Pegasus \ (MVP\)
 - ◆ **Re: Is SATA compatible with IDE Hard drives**
◇ From: Anna
 - ◆ **Re: Is SATA compatible with IDE Hard drives**
◇ From: The Woodpile
 - ◆ **Re: Is SATA compatible with IDE Hard drives**
◇ From: Jonny
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