
Subject: Old PC and USB 2.0 PCI Card
Posted by [Carrierll](#) on Tue, 16 Oct 2007 17:55:00 GMT
[View Forum Message](#) <> [Reply to Message](#)

Ok. So I'm on my old and dying machine (Some sort of socket 478 motherboard with a BIOS last revised in feb of 2002) and I installed a PCI USB 2.0 card that I had lying around so I could use modern hardware, and it installed just fine, it's present in device manager, and I can connect things and Windows finds them.

The problem is, when I connect my USB Hard Disk (An Iomega Silver Series 250GB edition) - Windows goes all weird. It finds and mounts the disk just fine... but if I try to load something, it just gives up and complains about "Delayed write failed - G:\\$MFT" or something.

However, I can connect and use my Cruzer USB key just fine, and it loads perfectly. Windows isn't popping up it's normal "This device can perform faster" message, so it's at USB 2.0 speed.

The only difference I can think of is that my USB key is formatted in FAT32 (So I can get at it on just about anything) whilst the drive is formatted in NTFS (I cannot reformat this, it's got soo much on it, more than I can back up)

Any ideas?!

Subject: Re: Old PC and USB 2.0 PCI Card
Posted by [Ethenal](#) on Tue, 16 Oct 2007 22:36:14 GMT
[View Forum Message](#) <> [Reply to Message](#)

I'm guessing the Master File Table is fucked up on your device. Try reformatting it (And with a different tool if you've already tried with one, as the tool could be faulty) and see what happens.

Subject: Re: Old PC and USB 2.0 PCI Card
Posted by [Carrierll](#) on Wed, 17 Oct 2007 14:52:33 GMT
[View Forum Message](#) <> [Reply to Message](#)

No, my external hard disk is in perfect order. I know this because it works when used with my newer PC (Newer hardware, it's still XP SP2)

Subject: Re: Old PC and USB 2.0 PCI Card
Posted by [Ethenal](#) on Thu, 18 Oct 2007 00:46:27 GMT
[View Forum Message](#) <> [Reply to Message](#)

Weird... if it's hardware related, I'm guessing it's something to do with the computer's USB port... which is highly unlikely. A Windows error maybe?

Subject: Re: Old PC and USB 2.0 PCI Card
Posted by [Carrierll](#) on Thu, 18 Oct 2007 07:05:46 GMT
[View Forum Message](#) <> [Reply to Message](#)

Yes I know it's weird, More help PLEASE!

Subject: Re: Old PC and USB 2.0 PCI Card
Posted by [=HT=T-Bird](#) on Thu, 18 Oct 2007 11:30:45 GMT
[View Forum Message](#) <> [Reply to Message](#)

Are you sure that both machines are running the same version of NTFS? Also, try running chkdsk on the external drive, as it seems that your master file table is a little wonky.

Subject: Re: Old PC and USB 2.0 PCI Card
Posted by [Carrierll](#) on Thu, 18 Oct 2007 16:39:55 GMT
[View Forum Message](#) <> [Reply to Message](#)

For the last time. I have run chkdsk on the external drive, it is in PERFECT ORDER.

How do I check what version of NTFS I am running?

Subject: Re: Old PC and USB 2.0 PCI Card
Posted by [=HT=T-Bird](#) on Fri, 19 Oct 2007 11:42:56 GMT
[View Forum Message](#) <> [Reply to Message](#)

That is determined by the version of Windows the drive was formatted under.

Subject: Re: Old PC and USB 2.0 PCI Card
Posted by [Carrierll](#) on Fri, 19 Oct 2007 19:20:28 GMT
[View Forum Message](#) <> [Reply to Message](#)

Again, that's all XP SP 2.

Subject: Re: Old PC and USB 2.0 PCI Card
Posted by [=HT=T-Bird](#) on Sun, 21 Oct 2007 11:35:44 GMT
[View Forum Message](#) <> [Reply to Message](#)

Sounds like something has either happened to a) the drive or b) the filesystem on the drive. If you can mount it on another machine, copy all the files on that drive over to another and then reformat

it. If that doesn't fix the issue, I'd say the drive is going kaput.

Subject: Re: Old PC and USB 2.0 PCI Card
Posted by [Carrierll](#) on Sun, 21 Oct 2007 14:22:20 GMT
[View Forum Message](#) <> [Reply to Message](#)

I just ran ChkDsk - No errors. As I type this post, I'm playing music from files on that drive. It's completely stable. I don't mean to be rude, but if it was breaking, wouldn't it give the same errors on this PC? (My newer one)

I'm more tempted to blame some random issue within the hardware of my older PC. Do post if you have any further suggestions.

Subject: Re: Old PC and USB 2.0 PCI Card
Posted by [Carrierll](#) on Fri, 09 Nov 2007 17:51:59 GMT
[View Forum Message](#) <> [Reply to Message](#)

Woot, double posted bump!

I've fixed it. The issue was the length of USB cable I was using, it appears that this old PC cannot manage powering a cable over that distance through the PCI bus, where as my mum's old (2003-4) laptop could, as can the modern stuff in my house.

I read somewhere the maximum cable length was 5M, this was about 4.
