

Re: usb device failed to start after the system resumed from hibernation

Source:

<http://www.tech-archive.net/Archive/Development/microsoft.public.development.device.drivers/2006-08/msg01206.html>

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 - *Date:* Mon, 28 Aug 2006 16:47:27 +0800
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Thanks for reply. The driver is a loader which to download the firmware into the device. For my case, the firmware was downloaded successfully. Maybe it is a bug in the firmware? But why needed the 36 ~ 38 times' hibernating/resuming to reproduce the issue?

On Mon, 28 Aug 2006 16:26:45 +0800, fat_boy <zzebowa@xxxxxxxxxxxx> wrote:

It looks like your device is failing to respond to the D3->D0 transition called by your S3 -> S0 completion routine (where PoRequestPowerIrp() for the device is called from)

WilliamX wrote:

Hi,
I encountered a odd issue when testing our device for hibernation. It is a usb composite device and we developed the the loader with cypress ez-usb. At first, it is working well, hibernating, resuming, hibernating again, resuming ... But after about 36 ~ 38 times, the device could not be started.
At that time, the loader was downloaded, but the reenumeration is failed. I have no idea about this issue.
Could you give me some advice to do the further debug or test?

Let me describe something more for this issue. After failure, regardless which port I attached the usb device to, it is the same results. It will be prompted to install driver if the port is fresh for the device, but after installed, it still did not work. There is a exclamation point before the device with 'code 10' for the device status in device managerment. Still in device managerment, I saw the 'Current Power State' is D3 in details of the device properties page.

After reboot the windows, this issue could be settled and the device worked well again.

Is there some solution to fix this issue? Or Is there somebody could explain for me what caused the issue?

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Advance thanks, very much.

William