

Re: 0x0000007B

Source:

<http://www.tech-archive.net/Archive/WinXP/microsoft.public.windowsxp.embedded/2007-07/msg00030.html>

- *From:* "Sean Liming \ (MVP\)" <sean_liming@xxxxxxxxxxxxx>
 - *Date:* Tue, 3 Jul 2007 11:01:18 -0700
-

If Windows XP Pro cannot install, then you will not get very far with XPe. Did the board come with any special drivers that require a F6 during setup to install?

Regards,

Sean Liming

www.sjjmicro.com / www.seanliming.com

Book Author – XP Embedded Advanced, XP Embedded Supplemental Toolkit

"Mike" <Mike@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in message
news:3F5CFC2C-6390-4D3B-AA4F-052E22B7ED93@xxxxxxxxxxxxxxxxxxxxx

Hi Sean,

This motherboard has a single IDE channel (single IDE connector) so it can handle at most 2 IDE devices at once. The CF is installed in an IDE2CF adapter, (which would normally be connected as the master on the primary (i.e. only) IDE channel). There is no SATA connector.

In your article (referenced below), you mention that the best platform to run TAP from is XP Professional. That made real sense to me, so I connected a blank 80 GB hard drive and a CD-ROM drive to the motherboard.

When I attempt to boot the XP setup CD, I get a "Trap 00000006
===EXCEPTION===" message, with a short register dump. I'm not sure what to make of that.

Next I augmented my USB boot with every file system I could find, and I tried running XP setup from XPe booted from USB. That seemed to work, so I attempted to install Windows on the hard drive. Setup copies a bunch of files to the hard drive, does some initialization, then reboots. Setup says to remove any floppy from the A drive before the reboot. I wasn't sure whether to take that literally, since there is no floppy adapter on this board.

If I leave the USB memory stick plugged in, the boot.ini file directs the boot to "XP Professional Setup", instead of "XP Embedded", as you might

Re: 0x0000007B

expect. However, setup basically starts over at the beginning, asking me what disk partition to install Windows on. I go through the motions... it copies files, reboots, and I'm back where I started (i.e. an infinite loop).

If it remove the USB memory stick, I get the following message:

"Windows could not start because of a computer disk hardware configuration problem. Could not read from the selected boot disk. Check boot path and disk hardware. Please check the Windows documentation about hardware disk configuration and your hardware reference manuals for additional information."

Another Catch-22. I'm guessing that that last error message occurs because the USB memory stick is "C:" when XPe is booted, then the hard disk becomes "C:" if I remove the memory stick when XP setup reboots.

HP has a utility that is supposed to make a USB memory stick look like a floppy disk. I'll try that next and see if I can get XP setup to cooperate better.

-Mike

"Sean Liming (MVP)" wrote:

Help me understand the IDE configuration – Is this an IDE to CF adapter on a secondary channel?
Is it possible to boot from a regular IDE/SATA hard drive?

Regards,

Sean Liming
www.sjjmicro.com / www.seanliming.com
Book Author – XP Embedded Advanced, XP Embedded Supplemental Toolkit

"Mike" <Mike@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in message news:B63AE75E-536F-4009-8275-A19A3C32E284@xxxxxxxxxxxxxxxxxxxx
>I am getting the dreaded BSOD 7B error during a first boot from compact
>flash.
>
> I am attempting to build an XPE bootable image for compact flash on an
> Intel
> DL201GLY motherboard. This is a new board, with SIS chipset (SIS662 /
> SIS964L). The board has one IDE channel (with an added compact flash
> adapter) and no floppy support.
>
> I managed to build an XPE bootable image for a USB memory stick. When

Re: 0x0000007B

> I
> boot from USB, Windows does not see anything on the IDE channel. I've
> tried
> both compact flash and CD-ROM. On the other hand, the BIOS has no >
> trouble
> recognizing either of these devices.
>
> From the USB boot, I ran TAP (not TA) then created a .SLD file from the
> resulting .pmq file. The Component Designer log file contained the
> following
> warnings:
>
> Warning:Could not find a driver for Video Controller (VGA Compatible)
> (PCI\VEN_1039&DEV_6330&SUBSYS_D61F8086&REV_04).
> Warning:Could not find a driver for Multimedia Audio Controller
> (PCI\VEN_1039&DEV_7012&SUBSYS_D61F8086&REV_A0).
> Warning:Could not find a driver for Generic volume (STORAGE\Volume).
> Warning:Could not find a driver for Generic volume (STORAGE\Volume).
> ...
> Info:Import succeeded with 63 drivers for 67 devices.
>
> (I believe that VEN_1039 refers to Silicon Integrated Systems (SIS).)
>
> The following SIS specific drivers were added to my devices component:
>
> Info:Adding SIS Processor to AGP Controller to the component.
> Info:Adding SiS 900-Based PCI Fast Ethernet Adapter to the component.
> Info:Adding SiS PCI IDE Controller to the component.
> Info:Adding SiS 7001 PCI to USB Open Host Controller to the component.
> Info:Adding SiS PCI to USB Enhanced Host Controller to the component.
>
> The following additional PCI/IDE related components were also added:
>
> Info:Adding PCI bus to the component.
> Info:Adding CD-ROM Drive to the component.
> Info:Adding Disk drive to the component.
> Info:Adding PCI standard PCI-to-PCI bridge to the component.
> Info:Adding PCI standard host CPU bridge to the component.
> Info:Adding PCI standard ISA bridge to the component.
> Info:Adding Primary IDE Channel to the component.
> Info:Adding Secondary IDE Channel to the component.
> Info:Adding Logical Disk Manager to the component.
> Info:Adding Volume Manager to the component.
>
> In "KM's" posting to thread "Re: Unable to boot from a XPe NTFS CF" >
> dated
> "5/29/2007 10:16 AM PST" he mentioned the following library article:
>
> <http://msdn2.microsoft.com/en-us/library/ms940177.aspx>
>
> When I followed the instructions in that article, I found that all of > the

Re: 0x0000007B

> components mentioned were already part of my devices component.
>
> In "Sean Liming's" posting to thread "Re: Unable to boot from a XPe >
> NTFS
> CF"
> dated "5/29/2007 10:24 AM PST" he mentioned the following web page:
>
>
> <http://www.seanliming.com/Docs/XPE%20Stop%20x0000007B%20Error%20V1.3.pdf>
>
> The only thing missing from my device configuration that was in Sean's
> list,
> was "Standard IDE/ESDI Hard Disk Controller". I added that, to no > avail.
>
> I even built an image based on Minlogin, which according to the experts
> has
> the "basic components to build an image that will run on any system".
> Well,
> it doesn't run on this motherboard, and I don't know how it could, > since
> it
> only contains a small subset of the components identified by TAP.
>
> Can anyone help?
>
> -Mike