

Adding SATA Drivers to an Installation CD

Where these guidelines are applicable (XP , asks for F6 SATA drivers. (oops)

IMPORTANT:

Follow the installation instructions in the order provided.

Failure to complete these steps in the proper order can result in an unsuccessful or unstable installation.

This section provides guidelines for customers who need to add SATA support by creating a custom Windows XP Service Pack 3 Installation CD.

Steps to add SATA drivers to the CD

- 1) Copy all the directories and files from the Windows XP CD to a temporary folder (these guidelines will use `c:\xpccd`)
 - 2) Download the Intel SATA AHCI Controller Driver, SoftPaq SP32478.exe, from www.hp.com.
 - 3) Extract all the files from the SoftPaq. A USB floppy is necessary for this step. Run `sp32478`; this will create a floppy disk. The files will be located on this floppy.
 - 4) These files should be located on the floppy disk. (*put your needed drivers here below*)
 - a. `iaahci.cat`
 - b. `iaahci.inf`
 - c. `iastor.cat`
 - d. `iastor.inf`
 - e. `iastor.sys`
 - f. `license.txt`
 - g. `readme.txt`
 - h. `txtsetup.oem`
 - 5) Create the following path in the temporary folder: `c:\xpccd\%oem%\$1\drivers\sata`
 - 6) Copy all the files from step 4 to the `c:\xpccd\i386` folder.
 - 7) Also copy all the files from step 4 to the `c:\xpccd\%oem%\$1\drivers\sata` folder.
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- 8) Open the `c:\xpccd\i386\txtsetup.sif` file in Notepad.

9) Go to the end of the file. There will be several blank lines.

10) Move the cursor up a few lines. This is necessary because there is a hidden marker at the end of the file.

11) Add the following lines [SourceDisksFiles]

```
iaStor.sys= 1,,,,,4_4,1,,1,4
```

```
iaAHCI.cat=1,,,,,20,0,0
```

```
iaAHCI.inf=1,,,,,20,0,0
```

```
iaSTOR.cat=1,,,,,20,0,0
```

```
iaSTOR.inf=1,,,,,20,0,0
```

```
[HardwareIdsDatabase]
```

```
PCI\VEN_8086&DEV_27C5&CC_0106 = "iaStor"
```

```
PCI\VEN_8086&DEV_27C3&CC_0104 = "iaStor"
```

```
PCI\VEN_8086&DEV_27C1&CC_0106 = "iaStor"
```

```
PCI\VEN_8086&DEV_2652&CC_0104 = "iaStor"
```

```
PCI\VEN_8086&DEV_2652&CC_0106 = "iaStor"
```

```
PCI\VEN_8086&DEV_2653&CC_0106 = "iaStor"
```

```
PCI\VEN_8086&DEV_24DF&CC_0104 = "iaStor"
```

```
PCI\VEN_8086&DEV_25B0&CC_0104 = "iaStor"
```

```
[SCSI.Load]
```

```
iaStor = iaStor.sys,4
```

```
[SCSI]
```

```
iaStor = "Intel(R) 82801 SATA RAID/AHCI Controller  
(ICH5,6,7)"
```

12) Save the file and exit notepad.

13) Extract the files from c:\xpcd\support\tools\deploy.cab to c:\deploytools

14) Create a new `winnt.sif`:

- a. Execute `setupmgr.exe` (extracted from `deploy.cab` in step 13).
- b. Select "Create new answer file"
- c. Select "Unattended Setup"
- d. Select "Windows XP Pro"
- e. Select "User Interaction desired"
- f. Select "Set up from a CD"
- g. Enter desired information under each of the following Settings sections
- h. Save the file as `c:\xpcd\i386\winnt.sif`

15) Open the `c:\xpcd\i386\winnt.sif` in notepad

16) Under the section [Unattended], add the following lines: `OemPreinstall=yes`
`OemPnPDriversPath=drivers\sata DriverSigningPolicy = Ignore`

17) Save `winnt.sif` and close notepad

18) Burn the custom XPCD from the `c:\xpcd` folder.

- a. Note that the volume label of the CD **must** be the same as from the original XP CD

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- b. The custom XPCD must be bootable (with the Microsoft bootblock). There are various 3rd party utilities which can accomplish this. Utilities from Microsoft are available, as detailed in the following section.

Use free `Imgburn` to do all burning.