

Windows 2000/XP PCMCIA I/O Driver De-Installation

Under certain circumstances, it may be necessary to uninstall the PCMCIA I/O driver. This may be to correct a faulty driver installation or to install a newer version of the PCMCIA I/O driver. Unfortunately, the standard Windows 2000/XP Add/Remove Hardware Wizard does not remove all elements of the PCMCIA I/O driver so it is necessary to perform a number of manual operations to completely remove all elements of the driver.

The manual steps involve:

- Editing the Windows 2000/XP Registry
- Deleting selected files.

The following section provides a step-by-step procedure for performing the tasks to remove the driver.

- From the Windows Start menu, select Run and enter the program name regedt32. (Note: The old Registry Edit program, regedit, is available for viewing the Registry contents but does not have the full editing capabilities required for this operation.)
- 2. Minimize all the windows except the window labeled HKEY_LOCAL_MACHINE. All the Registry editing will be performed in this window. The *regedt32* program presents the Registry contents in a tree-structured format so the elements of the Registry to be edited or deleted will be referenced using "path" notation.

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3. Locate the entry:

HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\ASEPCMCIA

and delete it.







4. Locate the entry:

HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Enum\PCMCIA

and expand it by double clicking on the name, PCMCIA. There should be one or more entries under PCMCIA beginning "Applied Systems Engineering...". Delete each entry beginning "Applied Systems...."

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5. Locate the entry:

HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\AseBCOM



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and delete it.

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6. Locate the entry:

 ${\sf HKEY_LOCAL_MACHINE} \\ SYSTEM \\ CurrentControlSet \\ Services \\ asebcomp$

and delete it.

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7. Locate the entry:

 ${\sf HKEY_LOCAL_MACHINE} \\ {\sf SYSTEM} \\ {\sf CurrentControlSet} \\ {\sf Control} \\ {\sf Class} \\$





and expand it by double clicking on the name Class. This will expose a long list of alphanumeric class IDs. Locate the entry

{4D36E978-E325-11CE-BFC1-08002BE10318}

This is the entry for "Ports (COM & LPT)". Double-click on the name to expose the next lowest levels. The lowest level elements will appear as: 0000, 0001, 0002, 0003, etc. There is one entry for each serial and parallel port. Double-click on each low level element to locate the entries containing a **ProviderName** value of "Applied Systems Engineering". For these entries, record for later use, the file name specified in **InfPath.** The file name will be in the form oemxx.inf, where xx is a numeric value. This is the name of the driver information file that will be deleted later. After the driver information file name has been recorded, delete the entry. There will be one entry per port, normally a total of two.

Registry Editor	
Registry Edit Tree View Security Options Window Help	
HKEY_LOCAL_MACHINE on Local Machine	
	 DriverDesc: PEG_S2: ASE BCOM PCMCIA Port 1 DriverVersion: PEG_S2: 10.02 In/Path: PEG_S2: osehcomp In/SectionE3: REG_S2: NT MatchingDeviceId: PEG_S2: asepcmciaport1 ProviderName : PEG_S2: Applied Systems Engineering

Next, locate the entry

{50906CB8-BA12-11D1-BF5D-0000F805F530}

This is the entry for "Multi-port Serial Adapters". Double-click on the name to expose the next lowest levels. The lowest level elements will appear as: 0000, 0001, 0002, 0003, etc. There is one entry for each Multi-port Serial Adapter. Double-click on each low level entry to locate the entry containing a **ProviderName** value of "Applied Systems Engineering". Record for later use, the file name specified in **InfPath.** The file name will be in the form oemxx.inf, where xx is a numeric value. This is the name of the driver information file that will be deleted later. After the driver information file name has been recorded, delete the entry.



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8. Locate the entry:

HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\COM Name Arbiter

		Bit	: Po	siti	on		
7	6	5	4	3	2	1	0
С	OM	Po	ort /	Ass	ign	me	nt
8	7	6	5	4	3	2	1

To change the contents of the mask, double-click on **ComDB** line to launch the Binary Editor window. Using the mouse, highlight the byte(s) to be modified and type the new values. In the example described above, the value of the first byte is changed from 1d to 05 to un-reserve COM ports 4 and 5.





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9. This concludes the Registry editing portion of the procedure. Next, Windows Explorer will be used to locate and delete driver information files and the actual driver files.





- 10. Launch Windows Explorer and open the folder:
 - "C:\WINNT\INF" for Windows 2000
 - "C:\WINDOWS\INF" for Windows XP
- 11. Within the INF folder, locate and delete all the Driver Information Files identified in step 7 above. NOTE: There will be two files with different file name extensions for each name. For example, the Driver Information File **oemxx** will have the files **oemxx.PNF** and **oemxx.INF**. Delete both files.

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		S OEMO.PNF	9 KB	Precompiled Setup Inf	2/23/2001 2:50 PM
		OEM1.INF	7 KB	Setup Information	4/14/2000 1:43 PM
		OEM1.PNF	13 KB	Precompiled Setup Inf	2/23/2001 2:50 PM
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-CONFIG		🔊 oem 11.PNF	6 KB	Precompiled Setup Inf	2/23/2001 2:50 PM
- Connection Wizard		🖲 oem 12.inf	34 KB	Setup Information	5/31/2000 2:10 PM
- CURSORS		Soem 12.PNF	33 KB	Precompiled Setup Inf	2/23/2001 2:50 PM
		🖲 oem 13.inf	30 KB	Setup Information	8/14/2000 2:34 PM
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		oem4.PNF	14 KB	Precompiled Setup Inf	2/23/2001 2:50 Pf
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12. Open the folder:

- "C:\WINNT\SYSTEM32\DRIVERS" for Windows 2000
- "C"\WINDOWS\SYSTEM32\DRIVERS" for Windows XP

13. Locate the files AseBCOM.sys and asebcomp.sys. Delete both files.

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	2GMGSMT.SF2	2,055 KB SF2 File	8/28/1999 12:53 PM
ShellNew	AAATIMEO.SYS	5 KB System file	1/24/2000 2:34 PM
	ACPI.SYS	160 KB System file	7/26/2000 12:00 PM
	ACPIEC.SYS	12 KB System file	7/26/2000 12:00 PM
	adputeom.sys	63 KB System file	7/21/2000 12:05 PM
E-U SYSTEM32	AFD.STS	120 KB System file	7/26/2000 12:00 PM
🖽 🛄 appmgmt	AGP440.STS	21 KB System file	9/20/1999 3.37 PM
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COM	AseBCOM svs-	66 KB System file	3/5/2001 12:53 PM
- CONFIG	asebcomp svs	55 KB System file	3/5/2001 12:53 PM
- C DHCP	aspi32 svs	24 KB System file	12/22/1997 8:02 PM
- 🗀 DLLCACHE	ASYNCMAC.SVS	17 KB System file	7/26/2000 12:00 PM
🕮 😋 DRIVERS	atapi.svs	84 KB System file	7/21/2000 12:05 PM
- 🗀 DTCLOG	Nati2mtai.svs	259 KB System file	8/23/2000 6:21 PM
- C EXPORT	ATMARPC.SYS	57 KB System file	7/26/2000 12:00 PM
F GroupPolicy	ATMLANE.SYS	48 KB System file	7/26/2000 12:00 PM
	ATMUNI.SYS	323 KB System file	7/26/2000 12:00 PM
	AUDSTUB.SYS	3 KB System file	9/25/1999 10:35 AM
	Sattc.sys	7 KB System file	7/21/2000 12:05 PN 🗸
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At this point, the ASE PCMCIA I/O driver should have been completely removed from the system.

To re-install the driver, eject the PCMCIA card if it is currently in the machine and reinsert it. This will trigger the Windows Hardware Install Wizard. Follow the on-screen instructions to perform the installation.