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README: PC-Based Direct I/O SDK for PCI Adapter Cards

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This software development kit (SDK) is used with PCI-AC5 and PCIe-AC5 adapter cards.

This SDK no longer supports the AC5 or G4AC5 adapter cards. For SDK support for AC5 and G4AC5 cards, see [What's New in Version R6.0a?](#)

Contents:

[What's New in Version R6.0c?](#)
[What's New in Version R6.0b?](#)
[What's New in Version R6.0a?](#)
[What's New in Version R5.0b?](#)
[What's New in Version R5.0a?](#)
[Windows Installation Notes:](#)
[Uninstallation of this Product:](#)
[How to Get Help](#)

What's New in Version R6.0c?

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February 8, 2017

Bug Fixes

- [KB86487](#) Cannot control or configure I/O points with 32-bit PC-Based Direct I/O SDK.
- [KB86515](#) Windows Error "A digitally signed driver is required."

What's New in Version R6.0b?

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December 19, 2016

NOTE: This version was an internal release.

What's New in Version R6.0a?

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July 21, 2016

NOTE: The PC-Based Direct I/O SDK no longer supports the AC5 or G4AC5 adapter cards. For AC5 and G4AC5 cards, you can continue to use **version R5.0b** of the PC-Based Direct I/O SDK. The filename is `PC_Based_Direct_IO_SDK_R5.0b.exe`, which can be downloaded from Opto 22's [FTP site](#). Instructions for installing and using version R5.0b are included in Opto 22 form 1211, the *PCI-AC5/PCIe-AC5 User's Guide*, available from the Opto 22 website.

Enhancements

- The PC-Based Direct I/O SDK supports Windows 7 Professional, Windows 8.1 Professional, and Windows 10 Professional (both 32- and 64-bit editions).

- The Operating System's kernel mode driver has changed. This will affect OEMs that create their own driver installers.
- The PC-Based Direct I/O SDK now supports only the PCI-AC5 and the PCIe-AC5 adapter cards. It no longer supports AC5 or G4AC5 adapter cards.

What's New in Version R5.0b?

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October 24, 2013

Enhancements

- The PC-Based Direct I/O SDK now supports Windows 8.

What's New in Version R5.0a?

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October 8, 2012

Enhancements

- The PC-Based Direct I/O SDK now supports Windows 7 and Windows Vista (32-bit and 64-bit) operating systems.
- A complete Visual Studio .NET example written in C# is provided, including source code.
- New drop-in replacement dlls and libraries make it easier to upgrade old projects written with the OPTOPCI Toolkit to work on Windows 7 or Windows Vista.

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Windows Installation Notes:

Windows users must have write access to the registry and the Windows\System32 directory to successfully install and use this product.

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Uninstallation of this Product:

Use the Windows Control Panel to uninstall this product. This will remove all registry entries and files previously installed with the following exceptions:

- The installation directory tree is not removed if any user-created files exist in it.

- The program folder or Windows program group is not removed if any icons have been added by the user.

How to Get Help

If you have problems installing or programming the adapter card and can't find the help you need in the user's guide, contact Opto 22 Product Support.

Phone: 800-TEK-OPTO (800-835-6786 (toll-free in the U.S. and Canada)
951-695-3080
Monday through Friday,
7 a.m. to 5 p.m. Pacific Time

Fax: 951-695-3017
Email: support@opto22.com
Website: www.opto22.com

When calling for technical support, you can help us help you faster if you can provide the following information to the Product Support engineer:

- o Opto 22 hardware part numbers or models that you're working with
- o Software version
- o Specific error messages you saw
- o Version of your computer's operating system

Email messages and phone calls to Opto 22 Product Support are grouped together and answered in the order received.