Adam.NET Class Library
For Visual Studio .NET 2003
Installation Guide

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1. Introduction

The "Adam.NET Class Library" is the newest release for user to write their code by using ".NET" technology to control ADAM-4000, ADAM-5000, ADAM-5000/TCP , ADAM-6000 series and APAX series.

For Win32 version, there are four main namespaces:

● Advantech.Protocol

This contains the ModbusRTU and ModbusTCP packet constructor.

● Advantech.Common

This contains basic classes for communication and packet invalidation.

● Advantech.Adam

This is the core of this library. You can use this to control and configure the ADAM series through serial and Ethernet communication and the APAX series through driver interface.

This document will guide you through the installation of "Adam.NET Class Library" and "Adam.NET Class Library Help".

2. Prerequisite

Before the installation, you have to install the "Microsoft Visual Studio .NET 2003" as well as the "Microsoft Visual Studio .NET 2003 documentation".

For WinCE programmers, you have to install the "ActiveSync" and "Windows CE .NET Utilities v1.1 for Visual Studio .NET 2003" from Microsoft website. Please link to the following web page to get the copy.

- **ActiveSync**

http://www.microsoft.com/downloads/details.aspx?FamilyID=d2645c21-8a85-45a2-8d13-653beb6cdddc&DisplayLang=en

- **Windows CE .NET Utilities v1.1 for Visual Studio .NET 2003**

http://www.microsoft.com/downloads/details.aspx?FamilyID=7ec99ca6-2095-4086-b0cc-7c6c39b28762&displaylang=en

3. Adam.NET Class Library Installation

Run the installation package "Adam.NET Class Library.exe". This will install "Adam.NET Class Library" for Win32 and WinCE.

The Win32 class library will be installed into the following path: "Program Files\Advantech\Adam.NET Class Library\VS2003".

The WinCE class library will be installed into the following path: "Program Files\Advantech\Adam.NET Class Library\VS2003\WindowsCE".

The sample programs will be installed into the following path: "Program Files\Advantech\Adam.NET Class Library\VS2003\Samples"
The normal samples include following contents:
- The Win32 version samples for both C# and VB.NET.
- The WinCE version samples for both C# and VB.NET.
- The Pocket PC version for C#.
- The Win32 version samples for C#.
- The WinCE version samples for C#.
- The Pocket PC version samples for C#.

4. Adam.NET Class Library Help Installation

Run the installation package "Adam.NET Class Library Help.msi". This will install "Adam.NET Class Library Help".

The help documentation is integrated into the "Microsoft Visual Studio .NET" environment. You can view the help by using the "Microsoft Visual Studio .NET 2003 documentation". You can also find the dynamic help when you using the "Microsoft Visual Studio .NET".

During the installation, it may takes up to few minutes to register the documentation.
After the installation, it may also takes up to few minutes for "Microsoft Visual Studio .NET" and "Microsoft Visual Studio .NET 2003 documentation" to update the help collection.

5. Using the Adam.NET Class Library

- Create your own project in the Visual Studio, in the **Solution Explorer** window, point to the **References** node under your project, right click the mouse to display the popup menu, click **Add reference** to display **Add Reference** window.
- For Win32 project, click **Browse** to display **Select Component** window, in the **Look in** combo box, change the directory to "Program Files\Advantech\Adam.NET Class Library\VS2003", select "**Advantech.Adam.dll**" and "**Advantech.Common.dll**", click **Open**, two components are listed in the **Selected Components** pane of the **Add Reference** window, click **OK**. For WinCE project, in the **.NET** tab select the **Advantech.Adam** and click **Select**, and then select the **Advantech.Common** and click **Select**, two components are listed in the **Selected Components** pane of the **Add Reference** window, click OK.

Two components are listed under the **References** node of your project. Now, you are ready to use the Adam.NET Class Library to code your program.