




ATID Co.,Ltd

# ATID Reader COM Interop Guide

Windows Developer Guide

SDK Team  
2019-02-27

 <small>All That Identification</small>	ATID Reader COM Interop Guide						
Windows Developer Guide					Company	ATID Co.,Ltd	
DOC		Writer	SDK Team	Date	2019-02-27	Version	v0.1


#### Revision History

Version		Date	Revision <sup>1</sup>	Description of change <sup>2</sup>	Writer
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<sup>1</sup>Revision : Define the contents when it addition/modification

<sup>2</sup>Description: Describe revised page number and contents.

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## 1. Summary

This document describes how to install and test the ATID Reader COM Interop library.

Testing for documentation used Internet Explorer(11.590.17134.0) on Windows 10 Home(1803 OS Build 17134.590).

HTML(Java Script) was used for this testing, but any language that supports COM Object is available. (Delphi, VisualBasic6.0, Python, etc.)


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## 2. Composition

There are installation files in the 'WLib\Windows\COM Interop' folder of the distribution file.

File name	Type	Description	Note
<b>ReaderInteropSetup.msi</b>	msi file	Install the COM implementation.	
<b>setup.exe</b>	exe file	Install the necessary components, then install the COM implementation.	

Since the target framework for the COM implementation is the .NET Framework 4.6, run setup.exe to ensure that the necessary components are installed on the system.

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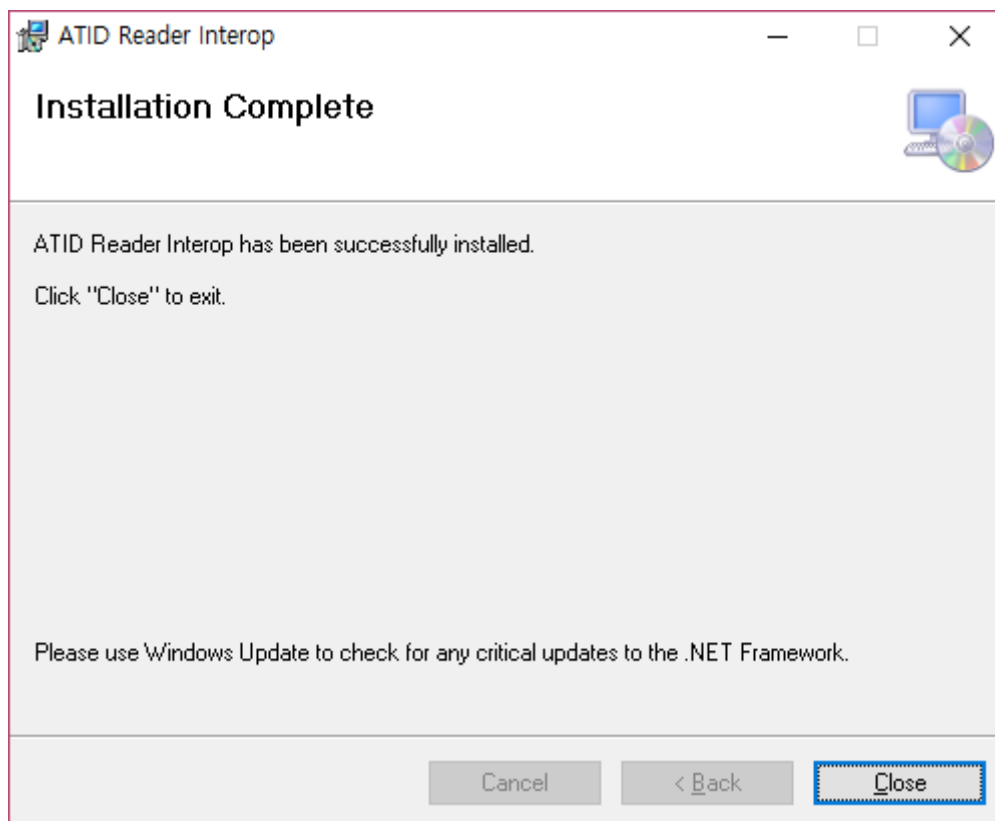
### 3. Inatallation


Run setup.exe to start the installation.

Depending on your system, you may install some additional components of the .NET Framework.

When this process completes, the following ReaderInteropSetup.msi installation screen appears.

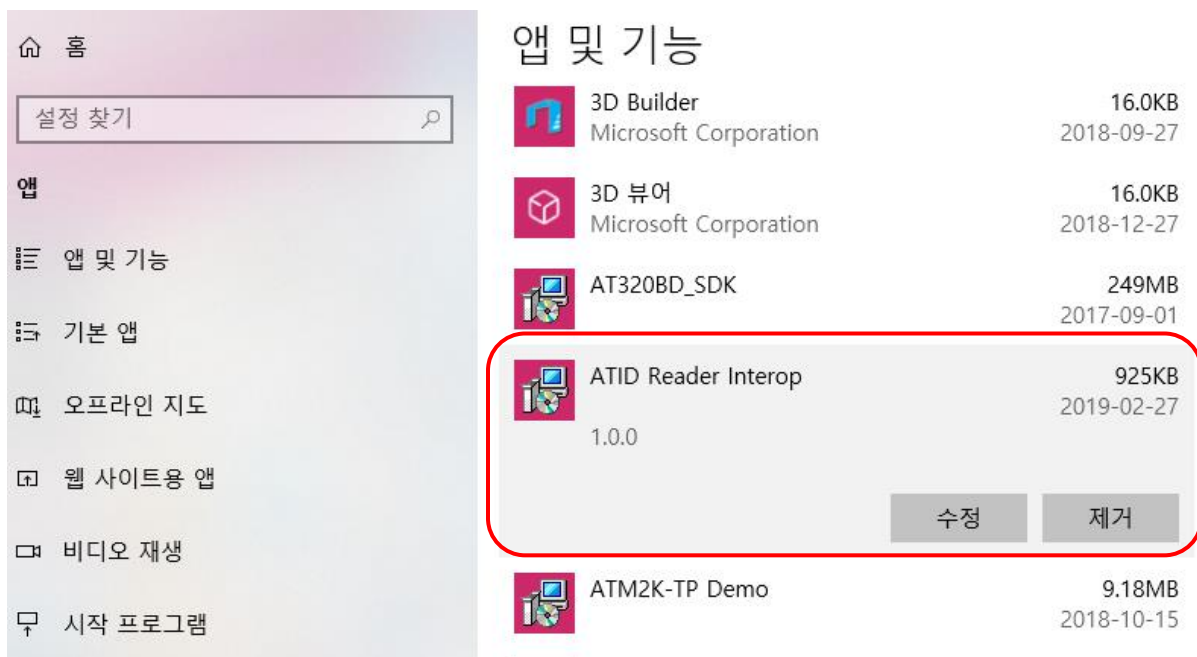
There is nothing special to note here.



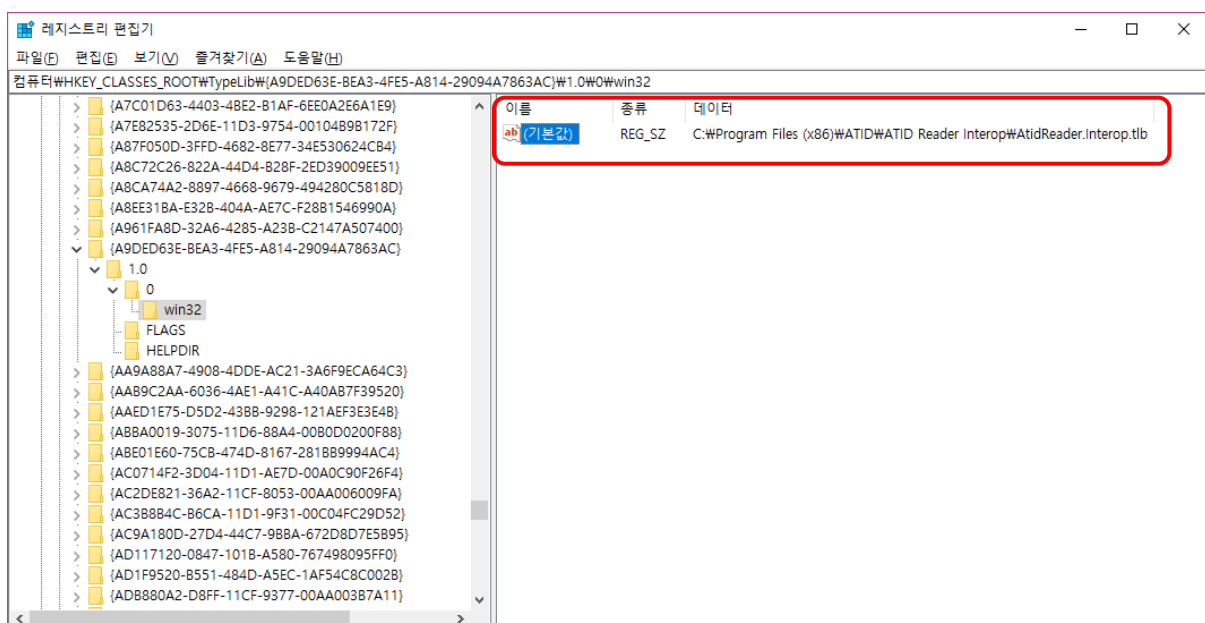
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### 3.1. Confirm the installation


If the installation is completed successfully, you can see the installation information in the application section of the control panel. And you can also see that 'AtidReader.Interop.tlb' file has been registered in the registry.



'ATID Reader Interop' has been registered in application section of the control panel.




'AtidReader.Interop.tlb' has been registered in Registry.

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### 3.2. Files list of package

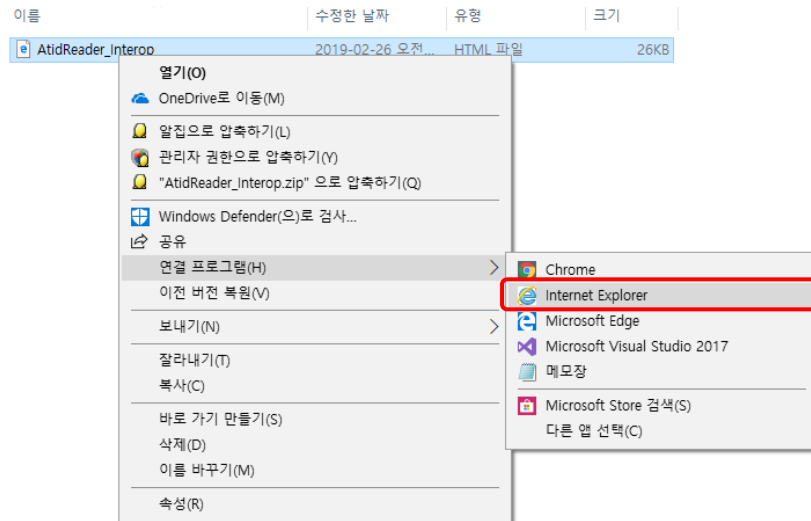
The following files are installed in the path set in the installation step.

File name	Type	Description	Note
<b>atid.lib.atx88dll</b>	dll file	Implementation for specific device	
<b>atid.lib.dll</b>	dll file	Declaration of Library	
<b>atid.lib.module.barcode.dll</b>	dll file	Implementation for barcode	
<b>atid.lib.module.rfid.uhf.dll</b>	dll file	Implementation for RFID(UHF)	
<b>atid.lib.reader.dll</b>	dll file	Declaration of reader	
<b>atid.lib.transport.dll</b>	dll file	Implementation for communication	
<b>atid.lib.util.dll</b>	dll file	Implementation for utilities	
<b>InTheHand.Net.Personal.dll</b>	dll file	Implementation for Bluetooth	<a href="https://inthehand.com/">https://inthehand.com/</a>
<b>ReaderEx.dll</b>	dll file	Implementation existing API classes as one class.	
<b>AtidReader.Interop.dll</b>	dll file	Expose ReaderEx to COM.	
<b>AtidReader.Interop.tlb</b>	tlb file	Type library of the AtidReader.Interop.dll	

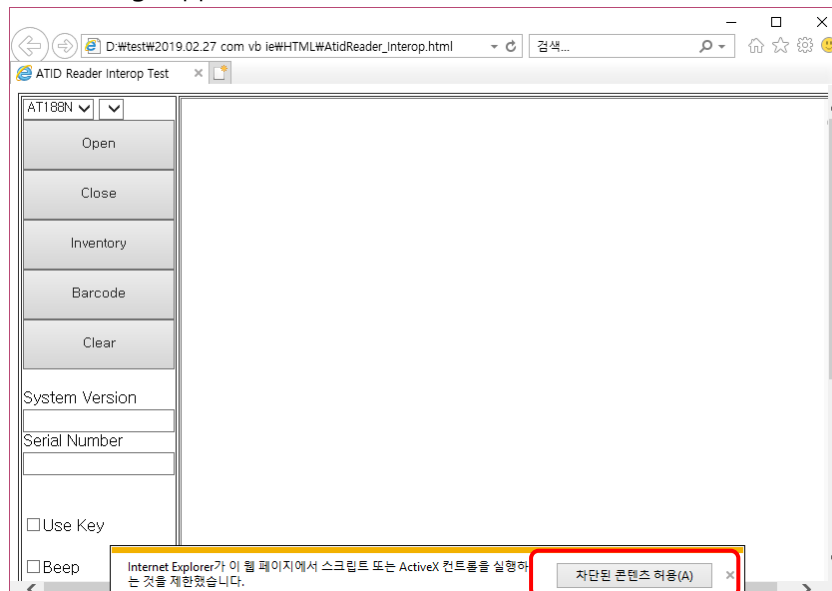
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## 4. Testing

For testing purposes, run as Internet Explorer the AtidReader\_Interop.html file in the %Sample%\%Windows%\COM Interop\%HTML% folder.

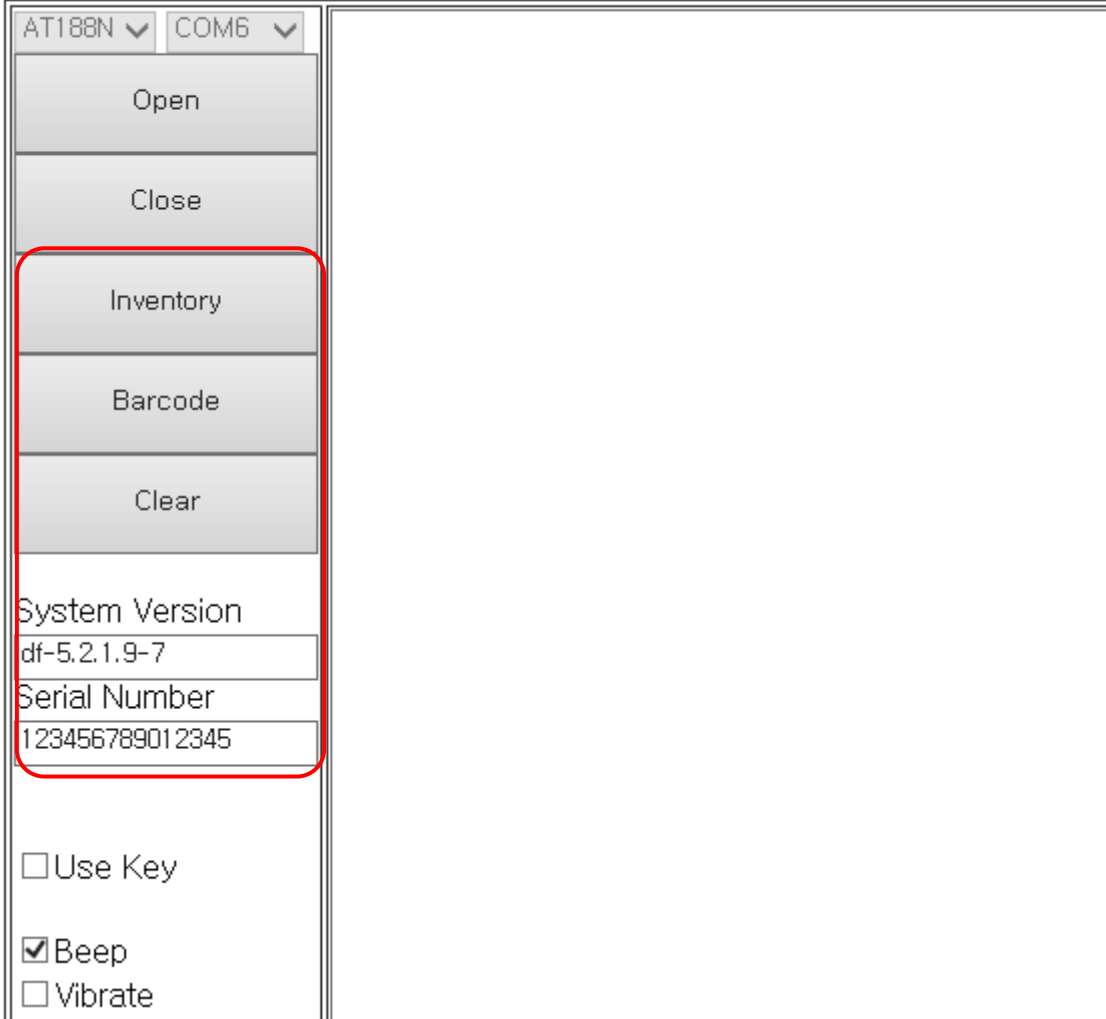


If Active X related warnings appear, allow them all.



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Select the device to be connected and the assigned COM port number and try to open it.



When the connection is complete, the buttons are enabled and the system version and serial number are displayed.

The AtidReader\_Interop.html file contains only Open, Close, and Read(tag/barcode). For other functions, refer to Help(WDoc\Windows\ATID Reader COM Interop Reference\_v2.0.chm) and .Net Framework Samples(WSample\Windows\dotNetFramework\BasicOperation) to implement them.