



ATID Co.,Ltd

ATID Reader SDK Programmer Guide for Windows

Windows Developer Guide

SW Team
2025-05-09



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Company

ATID Co.,Ltd

DOC

Writer

SW Team

Date

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Version

v1.0

Version	Date	Revision ¹	Description of change ²	Writer
v0.1	2017-04-14	Draft		Y.J Cho
v0.2	2017-11-07	Modification	Changed the screen shot	Y.J Cho
v0.3	2018-04-19	Modification	Renamed from ATx88 to ATID Reader	Y.J Cho
v1.0	2025-05-09	Update	ATS200, ATT739 model support	SW Team

¹Revision : Define the contents when it addition/modification

²Description: Describe revised page number and contents.

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1. Summary

This document is intended to explain how to develop applications using the ATID Reader SDK Library.

The Development condition is **Visual Studio 2019** and describes how to build a development Environment for using ATID Reader Sample.

2. Composition

ATID Reader SDK Library structured as below.

LIBRARY	TYPE	DESCRIPTION	REMARKS
atid.lib.atx88dll	DLL	Implement function for specific device.	
atid.lib.dll	DLL	Declaration of Library function.	
atid.lib.module.barcode.dll	DLL	Implement of Barcode function.	
atid.lib.module.rfid.uhf.dll	DLL	Implement the function of RFID (UHF).	
atid.lib.reader.dll	DLL	Declaration of Barcode, RFID function.	
atid.lib.transport.dll	DLL	Implement function of communication.	
atid.lib.util.dll	DLL	Util is for implement of Library	
InTheHand.Net.Personal.dll	DLL	Implement of Bluetooth function.	https://inthehand.com/
IRP1.dll	DLL	additional custom Protocol for RM87X RFID module. (E710 chip based)	applicable for ATT739 only
IRP1Message.xml	XML		
RFIDInterface.dll	DLL		
Communication.dll	DLL		
Note: Additional custom Protocol libraries to be included along with with the standard DLLs for ATT739 Tablet Reader development projects.			

Above dll files are for development of application.

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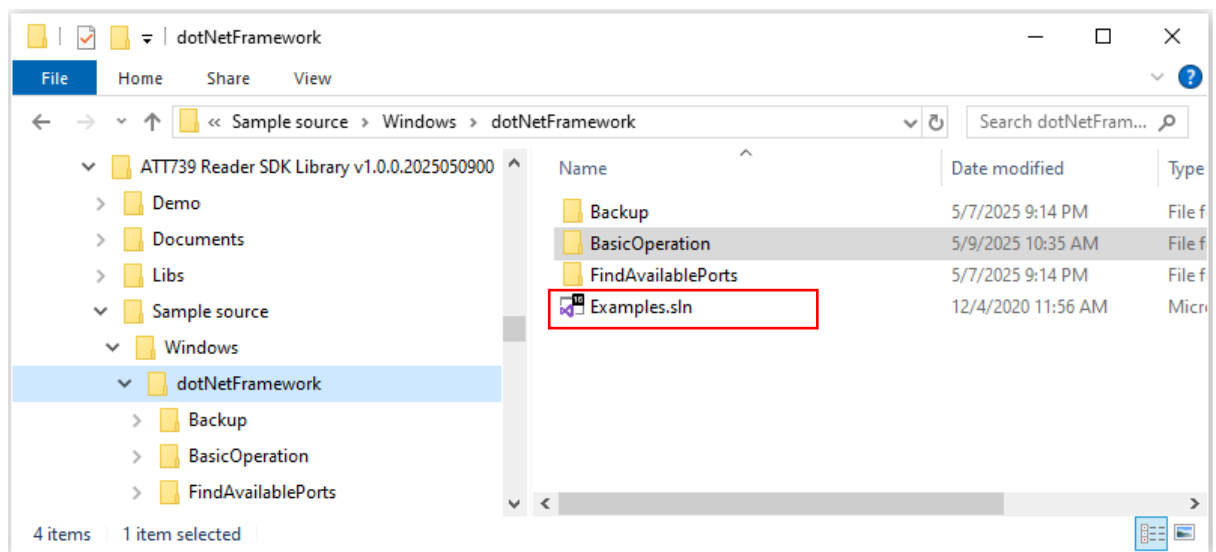
3. Project composition.

To explain about project composition for using ATID Reader sample.

3.1. How to proceed Visual Studio project.

Build Visual Studio 2019 in PC and Running

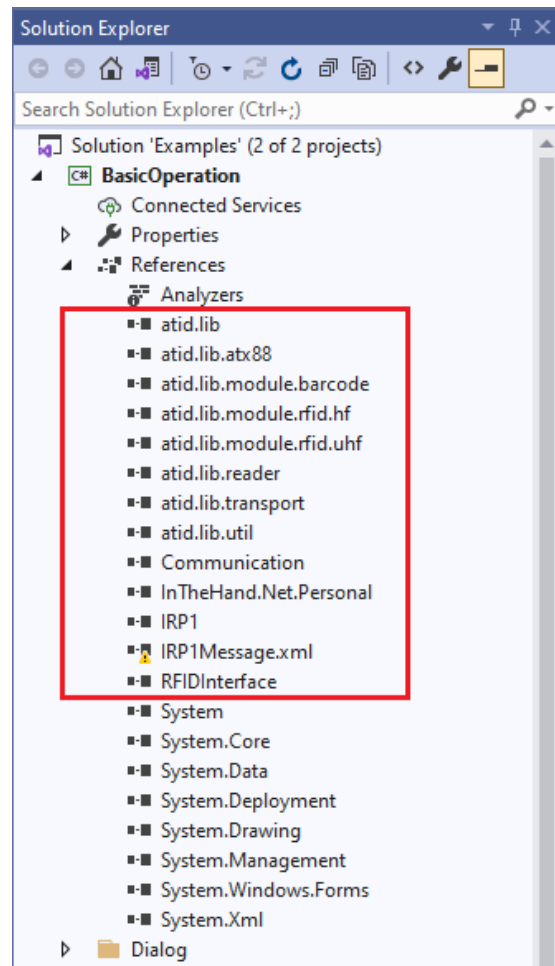
WSample sourceWWindowsWExamplesWExamples.sln



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3.2. Add Reference Libraries (ATID Reader Library)

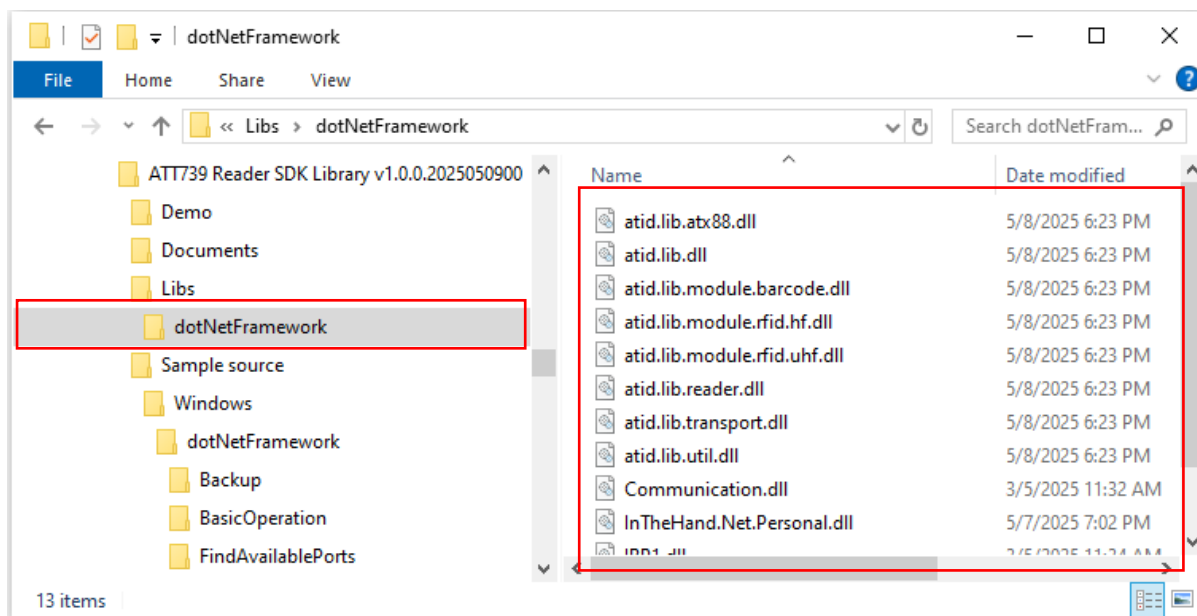
After Visual Studio is working, make sure to check that ATID Reader libraries are referenced in Solution Explorer.




Libraries are in the path: <SDK-Release-Package>\Lib\Windows\WdotNetFramework

Note: In case of "*library not found error*", please re-reference the libraries.

DLL Path in the provided SDK Package:



3.3. Build and Run

Ctrl + Shift + B or Click the  Icon for build.

After successes build, the Sample will be running well as below

Basic Operation.

×

Connection

Device

▼

Address

▼

Connect

S/N

Device Ver.

RFID Ver.

Barcode Ver.

Data

Type	Data	Info	#

Operation

Mode

▼

▼

Auto Save

☐

Filter

☐

RSSI

☐

Continuous

Option

Stored Data

Mask

Access

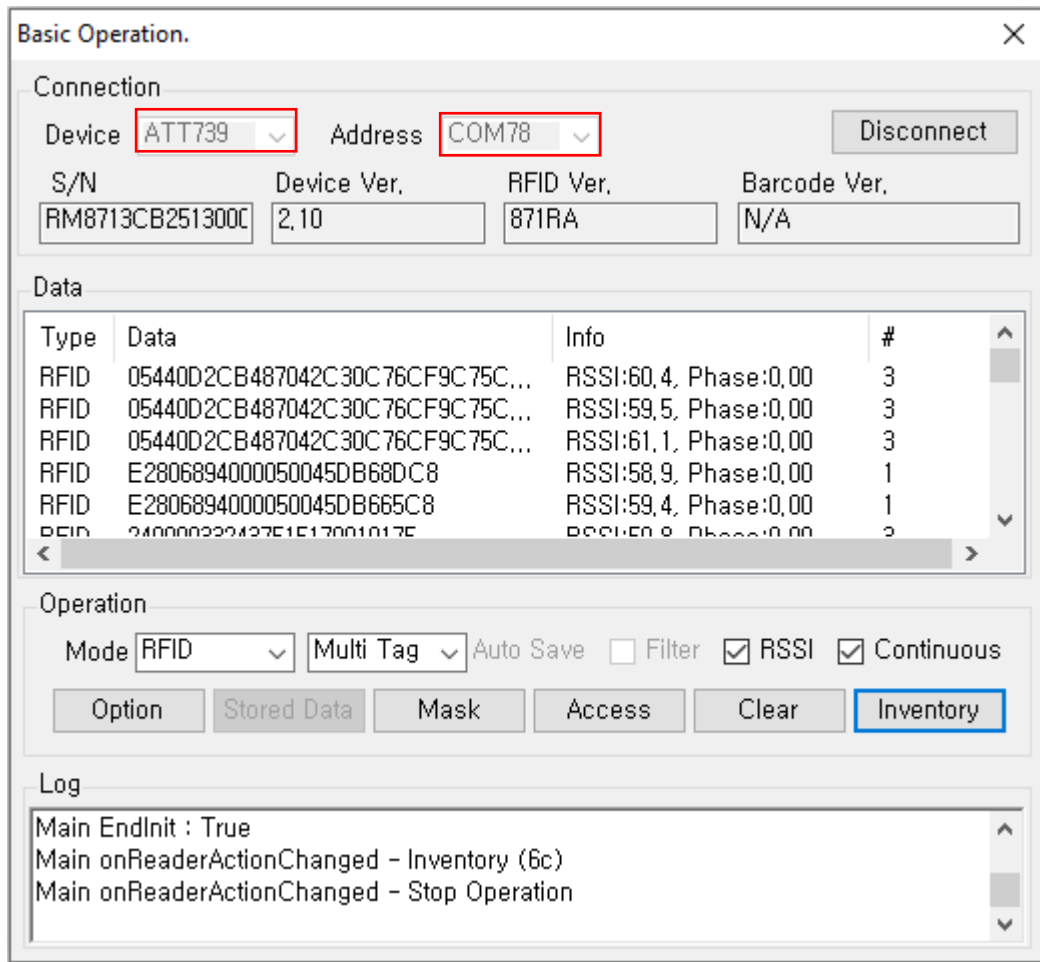
Clear

inventory

Log

3.4. Functioning validation

- ✓ Select **Device model: ATT739** and corresponding **COM Port** and **Connect**
- ✓ **Start Inventory**



Basic Operation.

Connection

Device: **ATT739** Address: **COM78** Disconnect

S/N: RM8713CB251300C Device Ver.: 2.10 RFID Ver.: 871RA Barcode Ver.: N/A

Data

Type	Data	Info	#
RFID	05440D2CB487042C30C76CF9C75C...	RSSI:60,4, Phase:0,00	3
RFID	05440D2CB487042C30C76CF9C75C...	RSSI:59,5, Phase:0,00	3
RFID	05440D2CB487042C30C76CF9C75C...	RSSI:61,1, Phase:0,00	3
RFID	E2806894000050045DB68DC8	RSSI:58,9, Phase:0,00	1
RFID	E2806894000050045DB665C8	RSSI:59,4, Phase:0,00	1
RFID	240000222427E1E17001017E	RSSI:50,8, Phase:0,00	2

Operation

Mode: **RFID** Multi Tag ☐ Auto Save ☐ Filter ☒ RSSI ☒ Continuous

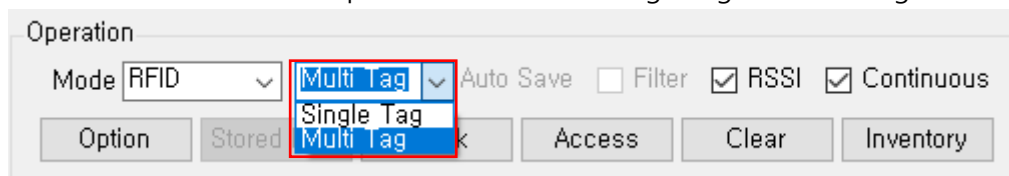
Option Stored Data Mask Access Clear **Inventory**

Log

```
Main Endlnit : True
Main onReaderActionChanged - Inventory (6c)
Main onReaderActionChanged - Stop Operation
```

3.5. Special attention notes

ATT739 Tablet Reader can operate in two modes Single Tag and Multi Tag.



Operation

Mode: **RFID** **Multi Tag** ☐ Auto Save ☐ Filter ☒ RSSI ☒ Continuous

Option Stored Data **Multi Tag** Mask Access Clear Inventory

Single Tag mode: when RFID tag quantity is less.

Multi Tag mode: when the RFID tag quantity is large.