Contactless Smart Card Printing – Zebra Card SDK for Series 7 and Series 9 Printers – C#

This sample application demonstrates how to use the Zebra Card SDK for ZXP Series 7 and Series 9 Printers to encode contactless smart cards. It can also print single or dual sided, depending on the print sample you select in the application.

Note: Installation of both the ZMotifPrinter and ZMotifGraphcs SDKs is required prior to compiling and running this sample application.

This is a Windows Desktop application, developed in C# with Microsoft Visual Studio 2008 for .NET Framework v2.0. This sample code was later updated with Microsoft Visual Studio 2017 for .NET Framework v4.6.

This sample application contains code to setup the printer for smart card encoding, move the card to the smart card station, and configure the smart card print job. The printer does not manage the actual smart card encoding or reading. Therefore, you must replace the “Smart Card Code goes here” comment with your own smart card code.

This is a 32-bit application code. If you would like to convert to 64-bit application code, you must build the project in 64-bits. For instructions on how to register the 64-bit DLL file in your project, please refer to White Paper WH125.

Note: This application is provided AS-IS, for example purposes only.

Running the Sample Application

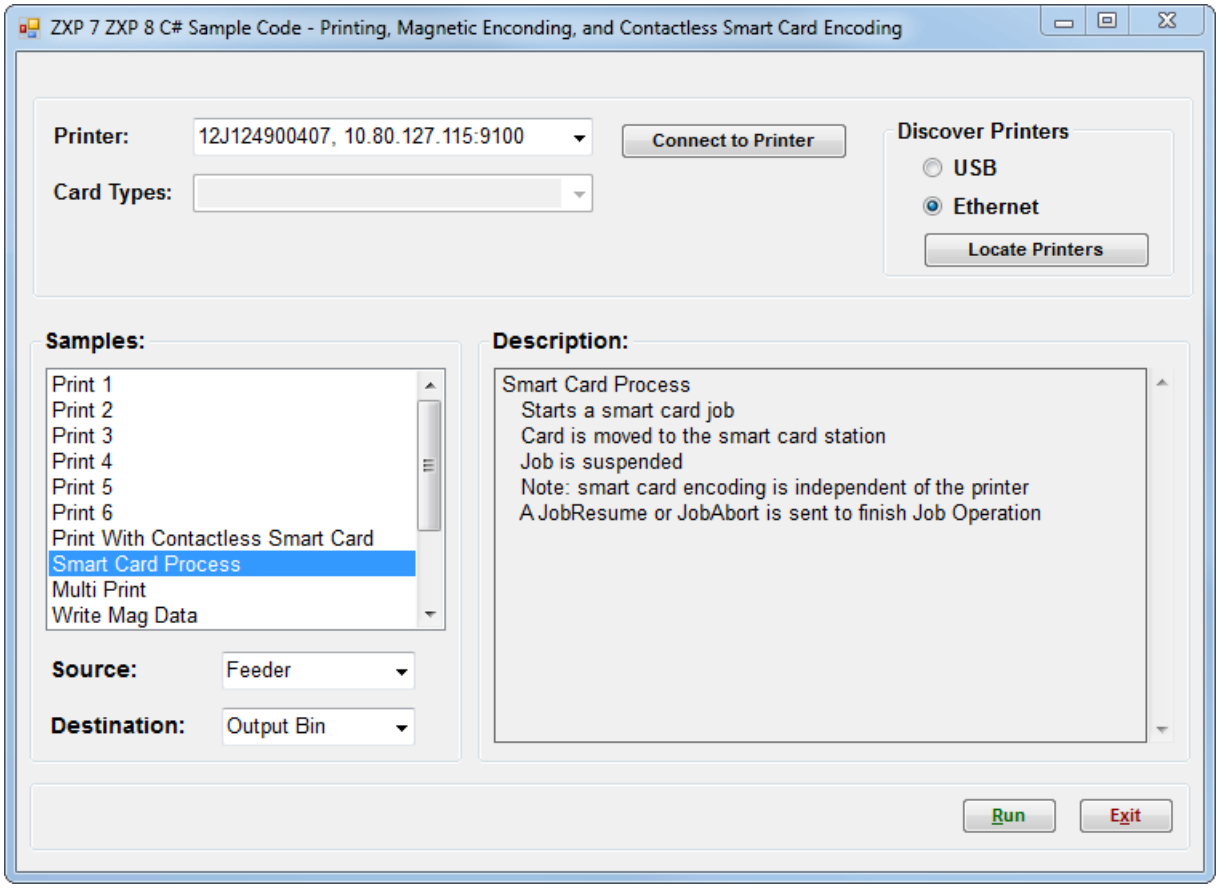
Follow these steps to launch and use the sample application.

1. Launch Visual Studio or open Windows Explorer and navigate to the location of the sample application.
2. Open or double-click the sample application (.sln).

   The solution opens in Microsoft Visual Studio 2017.

3. Press **F5** to run the sample application.

   The following dialog appears.



4. In the **Discover Printers** area, select USB or Ethernet based upon your printer's connectivity.
5. Based on the printing/encoding you would like to perform, select an item from the list of samples.
   - Print 1 – 6 – Prints various graphics and text to the card.
   - Write Mag Data – Encodes all three tracks on the magnetic stripe.
   - Read Mag Data – Reads all three tracks from the magnetic stripe.
   - Print with Magnetic Encoding – Prints graphics to the card and encodes all three tracks on the magnetic stripe.
   - Contact Smart Card Encoding – Starts a smart card job by sending the card to the smart card station and performing any custom encoding code.
6. From the **Card Types** dropdown menu, select the type of card you are using.
7. From the **Source** dropdown menu, select an item if you are not using the feeder (input bin) to supply your printer with cards,
8. From the **Destination** dropdown menu, select where you would like the cards to go when the printing/encoding is complete.
9. Click **Run** to begin printing and/or encoding.

   Wait for the printing/encoding job to complete before beginning another job.

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Document Control

Version	Date	Description
2	05/2015	Added support for new features in the ZXP Series 7 and Series 8 printers, including encoding over Ethernet, UHF encoding, barcode scanner, and new ribbon types.
3	10/2017	Updated project to Visual Studio 2017 and updated .NET Framework to version 4.6

All links and information correct at time of writing
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