Release Notes - EMDK for Xamarin v2.7

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Important News

- The EMDK for Xamarin provides C# developers with a comprehensive set of tools to easily create powerful line of business applications for enterprise mobility devices and is designed for use with Visual Studio or Xamarin Studio. The EMDK for Xamarin includes class libraries, sample applications with source code, as well as all of the associated documentation to help your applications take full advantage of what our devices have to offer. It also includes an exclusive Profile Manager Technology within the Visual Studio and Xamarin Studio, providing a GUI based development tool to use along with Profile Manager API. This allows you to write fewer lines of code resulting in reduced development time, effort and errors.

- **Support for configuring DataWedge using EMDK Profile Manager will be deprecated -** Profile Manager capabilities categorized under Data Capture will be deprecated. Zebra recommends using DataWedge intent-based APIs to configure DataWedge profiles going forward.

- **EMDK for Xamarin support for all KitKat (Android 4.4.3 or higher) devices has been terminated. -** EMDK for Xamarin v2.5 was the final version supporting KitKat (Android 4.4.3 or higher) devices. Starting from EMDK for Xamarin v2.6, only the Lollipop or higher devices are supported.

- **EMDK OS update package for KitKat devices will no longer be distributed –** The EMDK for Xamarin v2.5 was the final version distributing EMDK OS update package with the PC/MAC installations for KitKat devices. For all Lollipop or higher devices, the EMDK update for a specific device will be distributed with the latest BSP or security incremental patch

- **Support for ContinuousRead class has been deprecated -** The ContinuousRead class which can be used to enable the continuous scanning has been deprecated. It is recommended to use the aimType, sameSymbolTimeout, differentSymbolTimeout of camera, imager and laser specific reader parameters.

- **Support for picklist field has been deprecated -** The picklist field used for enabling the picklist mode has been deprecated and it is replaced by the field picklistEx.

- **EMDK for Xamarin support for all KitKat (Android 4.4.3 or higher) devices has been terminated. -** The EMDK for Xamarin v2.5 was the final version distributing EMDK OS update package with the PC/MAC installations for KitKat devices. For all Lollipop or higher devices, the EMDK update for a specific device will be distributed with the latest BSP or security incremental patch.

- **Online Help:** The EMDK for Xamarin Help documentation is now available only online. The EMDK installation will no longer install the documentation on the development computer.

- **Online Samples:** The EMDK Samples are now available only online. The EMDK installation will no longer install the samples on the development computer. The online samples can be downloaded and used on the development computer.

Applications accessing EMDK for Xamarin APIs are required to use the Symbol.XamarinEMDK component.

Introduction

The EMDK for Xamarin provides developers with the tools necessary for creating applications that target the enterprise mobility 'Xamarin' libraries, such as Barcode. This developer kit is designed for use with Visual Studio or Xamarin Studio with Xamarin.Android. The Xamarin Business or Enterprise license is required.
Note: For EMDK for Xamarin documentation and discussions, please visit the Launchpad Developer Community Web site at: https://developer.zebra.com/community/android/xamarin

Description

1. Added support for MX v7.2 in Profile Manager:
   a. Power Manager – Added new feature to turn ON/OFF Doze mode, so that user can prevent impacting applications that could be affected by the Doze mode feature. It is a way to improve battery life.
   b. Display Manager – Added ability to control display Option to stay always on. The "Stay Awake" parameter has been added for this and it is applicable only for VC80x devices.
   c. RSM Manager – Added support for RS507 and DS3608 scanners.
   d. Settings Manager – Added feature to Enable/Disable application Notification control on Nougat.
2. Enhanced Barcode Manager API:
   a. Added support for MultiBarcode decoding:
      i. Added new value "MULTI_BARCODE" in enum ScanMode to enable decoding multiple barcodes at a time.
      ii. Added new class "MultiBarcodeParams" in ScannerConfig with parameter "barcodeCount" to set the barcode count to be scanned.
   b. Added new AimType "PRESS_AND_SUSTAIN" to avoid canceling a read by pressing the trigger button of the device. This is currently applicable only for TC20/TC25 devices.
3. Enhanced SerialComm API:
   a. flowControlMode has been added under Serial Config. RTS_CTS, XON_XOFF and NONE are the possible values.
   b. Enhanced DataCapture feature under Profile Manager:
      i. Added Serial Input plugin support.
      ii. Added support for new scanner DS3608.
      iii. Added support for MultiBarcode decoding:
         - Added new option "Multi Barcode" under Scanning Mode in Reader parameters to enable decoding multiple barcodes at a time.
         - Added new field "Barcode count" under Multi-barcode parameters to set the barcode count to be scanned.
      iv. Added support to send Enter as string.
      v. Enhanced support for Inter Character Delay.
      vi. Enhanced support for Aim Type with "Press and sustain" option. This avoids canceling a read by pressing the trigger button of the device. This is currently applicable only for TC20/TC25 devices.

Device Compatibility

Please refer to the below link for device and operating system compatibility.

http://techdocs.zebra.com/emdk-for-xamarin/2-7/guide/about/#devicessupported

Installation Requirements

The following software must be installed prior to using the EMDK for Xamarin.

- ·   Microsoft® Windows 7 (32-bit and 64-bit) or Microsoft® Windows 8 (32-bit and 64-bit) or Microsoft® Windows 8.1 (32-bit and 64-bit) or or Mac OS X 10.10 or higher.

- ·   Java Development Kit (JDK) v7u45 or higher.

- ·   Visual Studio 2013, Visual Studio 2015, Visual Studio 2017 or Xamarin Studio 6.0, Xamarin Studio 6.1, Xamarin Studio 6.2, Xamarin Studio 6.3.

Usage Notes

None.

Known Issues

None.

Part Number and Release Date

EMDK-X-0207078
Jan 23, 2018