Release Notes - EMDK for .NET v2.9

1   *Important News*

1. **End of Support for Windows Vista -** Beginning with EMDK for .NET v2.9, Windows Vista is no longer supported.

2. **End of Support for WirelessLAN Assembly** - Beginning with EMDK for .NET v2.5, the WirelessLAN assembly is no longer supported. The WirelessLAN is not supported on newer devices. If you are still using the WirelessLAN class library on older devices, you must transition to the Fusion class library.

3. **End of Support for Compact Framework 1.0 and Visual Studio .NET 2003** - Beginning with EMDK for .NET v2.4, Compact Framework 1.0 and Visual Studio .NET 2003 are not supported. The support for these tools is provided by the previous versions of this product which will continue to be available on the Support Central.

2   Introduction

The EMDK for .NET provides developers with the tools necessary to create C# and VB.NET managed applications for enterprise mobility devices from Zebra. These tools include class libraries, sample applications, and associated documentation. EMDK for .NET allows Microsoft® .NET Compact Framework developers to programmatically access the enterprise mobility features on the devices. This developer kit is designed for use with Visual Studio 2005 and Visual Studio 2008.

3   Description

1. New device support for MC18 CE7.0 and MC32N0 CE7.0. The device MC18 CE7.0 supports the new APIs Symbol.Cradle and Symbol.Diagnostics. Refer to the API

documentation and the programmer's guides provided in the help file for more information on these APIs.

2. Updated Symbol.Fusion class library to include support for exporting and importing WLAN datastore on Fusion X_2.01 and later.

3. Beginning with MC67 BSP v03.46.39, the support for color camera has been provided through the Imager APIs distributed with EMDK. However on the older versions of MC67 BSPs, you must continue to use Microsoft's DirectShow for capturing images. The Imager APIs distributed with EMDK do not support color camera on the older BSPs.

4. Beginning with this version, Windows Vista is no longer supported.

4 Device Compatibility

This software release has been approved for use with the following devices.

Device	Win CE 5.0	Win CE 6.0	Win CE 7.0	Win Mobile 5.0	Win Mobile 6.0/6.1	Win Mobile 6.5	Custom Linux
ES400						*	
FX7400	*						
FX9500							*
LEX700						*	
MC1000	*						
MC17	*						
MC18			*				
MC2100		*					
MC3000	*				*		
MC3190Z						*	
MC3100		*			*	*	
MC32N0			*				
MC4500						*	
MC55					*	*	
MC55A						*	
MC55N0						*	
MC65						*	
MC67NA						*	
MC70				*	*		

Device							
MC75					*	*	
MC75A						*	
MC9000	*			*			
MC9090	*			*	*		
MC9090-Z					*		
MC9100		*				*	
MC92N0			*			*	
MC9500					*	*	
MK500	*						
MK3000	*						
MK3100			*				
MK4000	*						
MT2000	*						
RD5000	*						
VC5090	*						
VC6090					*	*	
VC70N0			*				
WT4000	*						
WT41N0			*				
XR400 Series	*						

* Supported device

NOTE: Support for the older devices is provided by previous versions of this product.

This software release has been approved for use with the following accessories.

Accessory	Devices
DCR7000-100	MC70, MC75, MC75A
DCR7000-200	MC70, MC75, MC75A
MSR3000	MC3000, MC3100, MC32N0
MSR55	MC55, MC55A, MC55N
MSR7000	MC70, MC75, MC75A
MSR9001	MC9090, MC9100, MC92N0
MSR9500	MC9500
RS409	WT4000
RS419	WT41N0

RS507	LEX700, MC3000, MC3100, MC55, MC67NA, MC70, MC75, MC75A, MC9090, MC9100, MC92N0, MC9500, MK3100, VC5090, VC6090, VC70N0, WT4000, WT41N0
LS3408-ER	VC5090, VC70N0
DS3508-ER	VC70N0
LS3578	VC70N0
DS3578	VC70N0

5   **Installation Requirements**

<u>Development PC</u>

Install Requirements for Visual Studio 2005:

- Microsoft® Windows XP (32-bit) or Microsoft® Windows Vista (32-bit) or Microsoft® Windows 7 (32-bit and 64-bit)
- Microsoft® Visual Studio 2005 *
- Microsoft ActiveSync 4.2 or higher (only for Windows XP, Vista has its own Mobile Device Center)
- Microsoft® Windows Mobile Device Center 6.1 or higher. (only for Windows 7)
- <u>One of more of the following SDKs for the Windows Mobile development:</u>
  - <u>Microsoft® Windows Mobile 5.0 SDK for PocketPC</u>
  - <u>Microsoft® Windows Mobile 6.0 Professional SDK for Pocket PC</u>
  - <u>Microsoft® Windows Mobile 6.5 Professional Developer Tool Kit</u>

* EMDK for .NET requires at least Visual Studio 2005 Service Pack 1 installed on the development PC.

Install Requirements for Visual Studio 2008:

- Microsoft® Windows XP (32-bit) or Microsoft® Windows Vista (32-bit) or Microsoft® Windows 7 (32-bit and 64-bit)
- Microsoft® Visual Studio 2008 *
- Microsoft ActiveSync 4.5 or higher (only for Windows XP, Vista has its own Mobile Device Center)
- Microsoft® Windows Mobile Device Center 6.1 or higher. (only for Windows 7)
- <u>One of more of the following SDKs for the Windows Mobile development:</u>
  - <u>Microsoft® Windows Mobile 6.0 Professional SDK for Pocket PC</u>
  - <u>Microsoft® Windows Mobile 6.5 Professional Developer Tool Kit</u>

If developing applications for Windows Embedded Compact 7.0 (CE 7.0) is a requirement, then install the followings:

- Microsoft® Visual Studio 2008 with Service Pack1

- Install the [update that adds support for Windows Embedded Compact 7.0](#)
- Install the [update that extends support for Windows Embedded Compact 7.0](#). This fix is required only if you are targeting ATL or MFC.

* The edition of Visual Studio installed must support mobile device development. Express editions of Visual Studio do not support mobile device development. Visual Studio 2008 Standard Edition does not support mobile device development.

Device Runtimes

To run device applications that utilize EMDK for .NET libraries, the following device runtimes must be installed:

- Microsoft .NET Compact Framework. The following table specifies the combinations of Visual Studio and .NET Compact Frameworks supported by EMDK:

	CF 2.0 SP2	CF 3.5
Visual Studio 2005	Supported	
Visual Studio 2008	Supported	Supported

- EMDK for .NET runtime environment (symbol.all.arm.cab).

Host Runtimes

To run PC applications that utilize the RFID class libraries, the following Host runtimes must be installed:

- .NET Framework 2.0 or higher
- Symbol.RFID2.Host.dll
- RFIDControl.zip (required by RD5000. Refer to the section "Using Symbol.RFID2 Host Assembly with RD5000 Device Reader" in the ReadMe)

Part Numbers:
EMDK-M-020900
HELP-M-020900

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