

Library Name	Version	NOTE
<b>BASIC SDK 2.9</b>		
DS40U	1. 3. 0. 2	
DS84C	1. 3. 0. 1	
DS84U	3. 1. 1. 6	
DSBeep	1. 0. 0. 0	
FSM26U	2. 5. 0. 0	
GBMSAPI	2. 9. 0. 2	
MC517	1. 3. 0. 2	
MS500U	3. 4. 0. 2	
VsRoll	3. 4. 0. 1	
Gb-transport	1. 0. 0. 7	
libusb	1. 0. 9. 0	
<b>FULL ENHANCED SDK 2.9</b>		
EFTSRecGen_ImgProcTool_Cpp.exe	1. 0. 0. 2	
EFTSRecGen_ImgProcTool_Cs.exe	1.0.0.1	
GbFinImgExample_Cpp.exe	2.9.0.0	
GbFinImgExample_Cs.exe	2.9.0.0	
GBMSDemo.exe	1.9.12.0	
TestGBFIR.exe	1.0.0.0	
TestGBFIR_GUI_CS.exe	1.0.0.0	
TestGBMSGUI.exe	1. 2. 0. 0	
TestGBMSGUI_VCL.exe	1.9.1.0	
TestWSQ_Console_CS.exe	1.0.0.0	
AN2K_LIB.dll	1.3.0.3	
AN2K_NET_WRAPPER.dll	2.9.0.0	
Bozorth.dll	1. 0. 0. 2	
BOZORTH_NET_WRAPPER.dll	2.9.0.0	
GBFINIMG.dll	3. 6. 0. 0	
GBFINIMG_NET_WRAPPER.dll	2.9.0.0	
GBFIR.dll	1. 0. 0. 0	
GBFIR_NET_WRAPPER.dll	1.0.0.0	
GBFRSW.dll	1. 3. 4. 1	
GBJPEG.dll	2. 2. 1. 0	
GBMSAPI	2. 9. 0. 2	
GBMSAPI	2. 9. 0. 2	
GBMSGUI.dll	1. 9. 5. 0	
GBMSGUI_NET.dll	1. 9. 15. 0	
GBMSGUI_Qt.dll	1.5.7.0	
GBNFIQ.dll	1. 0. 0. 2	
GBNFIQ_NET_WRAPPER.dll	2.9.0.0	
JPEG_NET_WRAPPER.dll	2.9.0.0	
lfs.dll	1. 0. 0. 3	
LFS_NET_WRAPPER.dll	2.9.0.0	
qjpeg4.dll	4.7.4.0	
QtCore4.dll	4.7.4.0	
QtGui4.dll	4.7.4.0	
VsRoll	3. 4. 0. 1	
WSQPack.dll	2. 0. 0. 2	
WSQ_NET_WRAPPER.dll	2.9.0.0	

Modifications BASIC SDK

<b>BASIC SDK</b>	<b>Date(dd/mm/yy)</b>	<b>Description</b>
Basic 1.0	16/02/09	Original Version
Basic 1.1	15/03/09	added support for DS40 and bugs fixing
Basic 2.0	18/05/09	a) New release of MS500u.dll, VSRoll.dll b) New object for DactyScan 40 (FLAT_2_INDEXES) c) Bug fixing d) All .NET components recompiled with strong name signature
Basic 2.1	29/06/09	Bug fixing for FULL ENHANCED SDK and new release of Overview documentation
Basic 2.2	28/07/09	New MS500 library (version 2.0.0.2)
Basic 2.3	November 2009	a) New release of low level libraries (see Library list sheet) b) Added SetFrameRate functionality (valid for DS84 and DS26 devices only) c) Bug fixing d) Added RollToLeft/RollToRight messages e) New graphical style for examples (adaptation for screens with 768 rows) f) Source code for GBMSAPI .NET wrapper g) Added SetManualLEDControlFunctionality (for DS84,DS26i and DS40 devices)
Basic 2.4	February 2010	added support for MC500 and MSC500 (Chinese market) devices and bugs fixing
Basic 2.5	September 2010	a) New release of low level libraries (see Library list sheet) b) Added manual roll preview stop (for DS84 and DS40i devices) c) Added DactyScan 40i device support (with DS40u low level library) d) Added SetImageRotation functionality e) Added DSBeep library to support system sound functionality on Win Vista, 7, and 64 bit in general f) Bug fixing
Basic 2.6	March 2011	a) New release of low level libraries (see Library list sheet) b) Added support for High Speed preview (for MC500 and MSC500 devices) c) Added support for Full resolution preview (for MS500, MC500 and MSC500 devices) d) Green Bit Universal WHQL Certified USB drivers, for both 32-bit and 64-bit Windows e) USB drivers uninstaller utility is part of drivers setup f) Added "getting started" console examples g) Bug fixing
Basic 2.7	November 2011	a) Added support for DS84C and MC517 devices b) Enhanced support for Frame rate setting c) Added new function for getting Calibration Image size d) Added new function for getting scanner statistics e) Added support for reading/writing user data into device eeprom f) Added new feature that allows to retrieve scanner name and fw version from usb directly g) Added Roll standard (GA or IQS) selection feature h) Added bulk 1024 transfer option (via ini file) for scanners supporting this j) Bug fixing
Basic 2.8	June 2012	a) Added sound to MC517 b) Added image rotation (180 degrees only) to MC517 c) Added support for MSC517 device d) Added support for RGB display e) Enhanced support for getting frame rate range f) Added ini file for GBMSAPI library (log support and full resolution preview forced for DS84C device) g) Added support to DactyScan 32 Device h) Bug fixing
Basic 2.9	September 2013	a) added Dry finger image enhancement feature (can be activated by means of the "GBMSAPI_EnableDrySkinImgEnhance" API in the GBMSAPI library or by means of a specific item in the .ini file related to the scanner) b) added dry/wet diagnostic c) added support for dry/wet diagnostic and warnings on LCD display (MSC517 at moment) d) added user data storage support for DS40i and DS32 devices z) Bug fixing

FULL ENHANCED SDK	Date(dd/mm/yy)	Description
Full Enhanced 1.0	16/02/09	Original Version
Full Enhanced 1.1	15/03/09	libraries upgrade for the following components: a) GBMSAPI.dll (upgrade to version 1.1.0.0) b) GBJPEG.dll (upgrade to version 2.2.0.0)
Full Enhanced 2.0	18/05/09	libraries upgrade for the following components: a) WSQPack.dll (upgrade to version 2.0.0.1) b) GBMSGUI.NET.dll (upgrade to version 1.2.0.1) c) All .NET components recompiled with strong name signature
Full Enhanced 2.1	29/06/09	bug fixing a) FULL ENHANCED .NET Wrappers: problems with signature
Full Enhanced 2.2	28/07/09	bug fixing
Full Enhanced 2.3	November 2009	a) New release of low level libraries (see Library list sheet) b) Added "Back" button in GBMSGUI interface c) Added functionalities in AN2K library (update record 1, delete record from ANSI-NIST file) d) Adaptation of GBMSGUI to new messages (see Basic 2.3) e) Source code for .NET wrapper of Image Processing Tools f) Bug fixing
Full Enhanced 2.4	February 2010	a) New release of low level libraries (see Library list sheet) b) Bug fixing
Full Enhanced 2.5	September 2010	a) Added GBMSGUI_VCL library (written in C++ with Borland components) b) Added manual roll preview stop (for DS84 and DS40i devices) c) Added DactyScan 40i device support d) Added SetImageRotation functionality e) Added MultiMatch SDK 1.1 trial version f) Bug fixing
Full Enhanced 2.6	March 2011	a) Added support for High Speed preview b) Bug fixing
Full Enhanced 2.7	November 2011	a) Changes for making GBMSGUI work on Linux Mono framework b) New features for GBMSGUI (all platforms): - Added possibility to clear undesired segments inside roll of flat single finger images in case of "Ambiguous slap detected" diagnostic message - Added 180 degrees lower palm rotation option c) new features for GBFINIMG library: - Possibility to set missing fingers for automatic segmentation - Added fast processing feature - Added new object (single flat finger) - Extended inclination range for 2-thumbs and single flat finger objects - Added function for checking 180 degrees rotation d) Added GBMSGUI_QT (written in C++ with QT components) e) Image Processing Tools .NET wrapper re-written in C# (for compatibility with Linux Mono Framework) f) Added possibility to set missing fingers before starting acquisition sequence in the GBMSDemo and in the VCL and QT test programs g) Added GBFIR Library with its NET and JAVA wrappers h) Bug fixing
Full Enhanced 2.8	June 2012	a) Added new option to gbfinimg library for automatic segment naming also in case of incomplete slap b) Added live segment quality evaluation and option for automatic segment naming in case of incomplete slap in GBMSGUI library c) Added support for all the devices specified in BASIC SDK d) Bug fixing
Full Enhanced 2.9	September 2013	a) added Dry finger image enhancement feature (can be enabled by checking the corresponding checkbox in the GBMSGUI interface) b) added dry/wet diagnostic (shown by an icon only on GBMSGUI interface) c) Improvements to gbfinimg.dll features d) New <ImageProcessingOptions> in gbfinimg library (see gbfinimg.h file): - REFINE_FINGERPRINT_CONTRAST_AND_CLEAN_BACKGROUND e) Scanner license mechanism added to gbfinimg library (see "GBFINIMG_GetLicenseInfo" function in gbfinimg.h file) f) added function SelectFingerContactEvaluationMode in GBMSGUI library z) Bug fixing