

GemTAG – SDK

GemTAG Smart Card Software Development Kit



GemTAG SDK is a comprehensive set of tools, libraries and code samples for seamless integration of GemTAG readers with any Windows™ or Linux based application software

The kit contains:

1. GemTAG Reader x501U (optional GemTAG x501S)
2. GemTAG SDK CD
3. Blank Mifare 1k Smart Cards (3 pieces)

Special Features:

- All the software needed from the developer to start - DLL and ActiveX middleware FREE with the reader, sample code and developer tutorials included
- Supported OS - Windows 98 OSR2, ME, 2000, XP and Linux (experimental)

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Reader:

The standard SDK pack includes GemTAG x501U contactless smart card reader. Optionally the GemTAG x501S contactless smart card reader could be included. For more information contact us.

Cards:

The toolkit includes 3 blank Mifare 1k smart cards.
Supported cards are: Mifare Classic, Mifare Ultralight, Mifare 4K, Mifare Pro and Pro X, JCOP 30, JCOP 31, Philips I-CODE, Texas Instrument HF-I and more.

NOTE: The cards might not look exactly like the ones from the picture.

Contents of the CD:

Documentation

G2KMACTX.chm - Mifare ActiveX developer guide
G2KSCAPI.chm - Mifare Sector API dll developer guide, describes G2KCAPI.dll.
ISO 14443-4 APDUManager.doc - ISO 14443-4 ActiveX developer guide, describes GemTagTCL.dll
using custom commands.doc - Description on how to send custom commands to the reader

APIs and DLLs

GemTagTCL.dll - ISO 14443 part 4 ActiveX – must be registered
G2KCAPI.dll - most powerful Gemini API needed by GemTagTCL.dll
G2KMifareCOM.dll - Mifare oriented ActiveX – must be registered
Other Headers and libraries for Mifare Sector API DLL

Samples and test programs

SECTOR API SAMPLE – Gemini Sector Oriented
VB6 G2K ActiveX for Mifare Test - VB 6 sample using G2KMifareCOM
VOPTestingT - VB.Net Sample using GemTagTCL
GemTAG Test.EXE - small test program for all GemTag readers, depends on G2KSCAPI.dll

Linux – pre-release of the GemTag readers software for Linux

Products

CardExplorer – stand alone program that allows viewing of the card content on per sector basis - must be registered

NOTE: The registration of all of the components is free of charge.

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