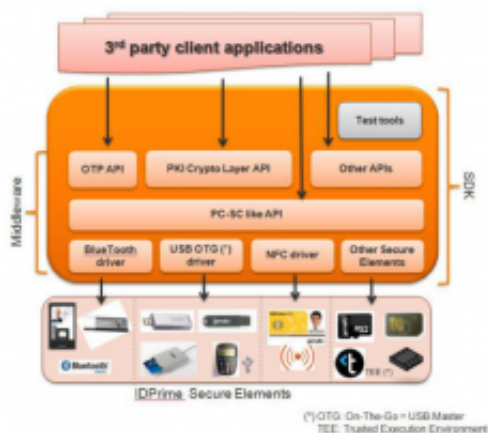


IDGo 800 Middleware and SDK for Mobile Devices

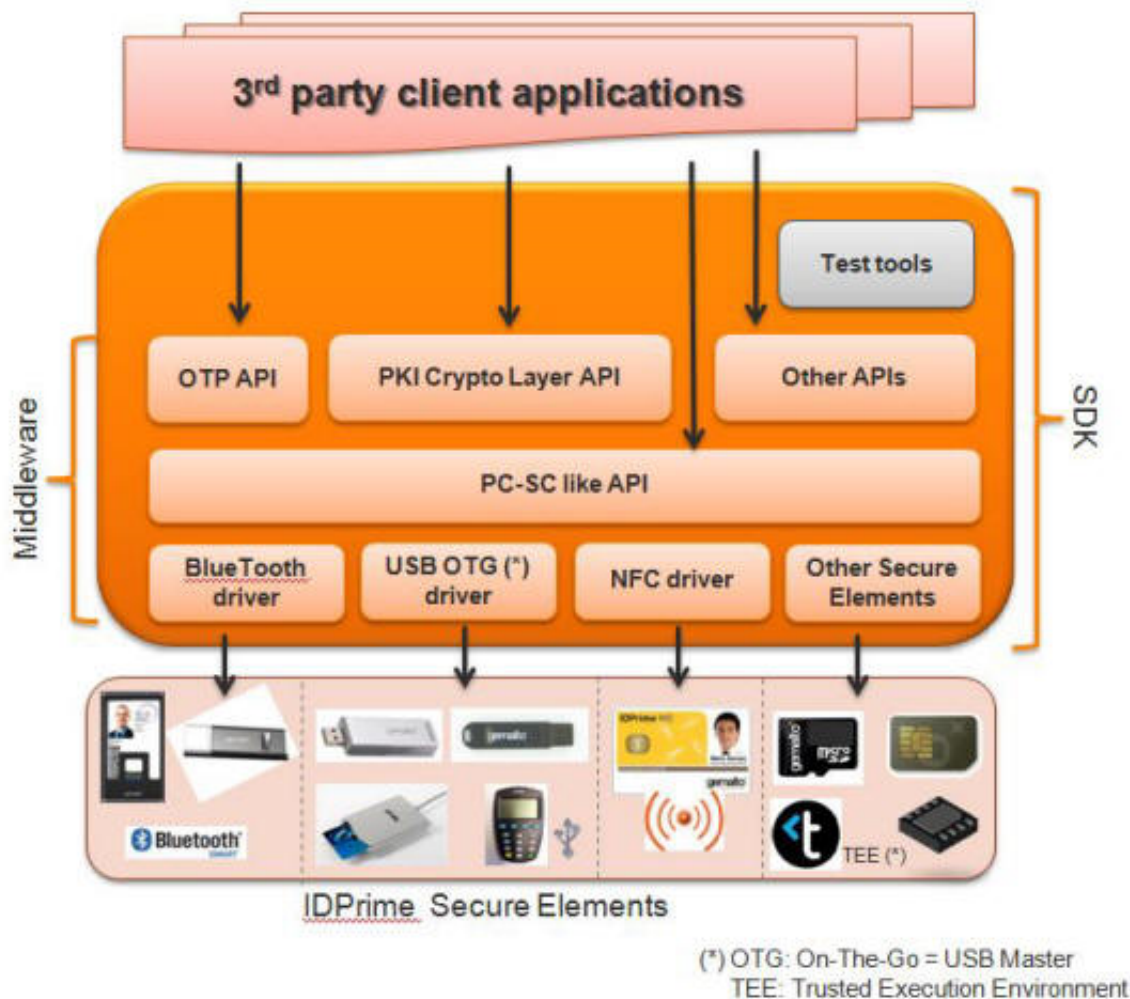
Brand: Gemalto
Product Code: SMAGIDGO800



Short Description

IDGo 800 for Mobiles is a cryptographic middleware that supports the Gemalto IDPrime cards and Secure Elements on Mobile platforms: Contact and contactless smart cards, MicroSD cards, UICC-SIM cards and embedded Secure Elements (eSE).

Description



IDGo 800 for Mobiles is a cryptographic middleware that supports the Gemalto IDPrime cards and Secure Elements on Mobile platforms: Contact and contactless smart cards, MicroSD cards, UICC-SIM cards and embedded Secure Elements (eSE).

The architecture of the IDGo 800 middleware includes several APIs such as PKI, GUI, PC-SC and Secure Storage. Those APIs are based on drivers controlling a wide diversity of readers: USB, Bluetooth, NFC, MicroSD, OMAPI.

Thanks to IDGo 800 for Mobiles, the Gemalto partners can easily implement the highest possible security level in their Mobile applications: Strong Authentication, data protection, digital signature, secure web access, VPN, etc.

Therefore they can now address a large customer base that needs to protect their data and networks with the well-established PKI technology.

Banks, governments, insurances, universities, hospitals, Certificate Authorities are examples of such organizations that have already deployed those technologies on their PC platforms and now need to migrate on smart phones and tablets.

The IDGo 800 and SAC middleware is also available on Windows, Linux and MacOS operating systems.

Features and Benefits

- Easy integration in the main application thanks to the IDGo 800 for Mobiles Software Development Kit (SDK)
- Three test applications provided in the SDK with their source code
- Several configuration options and GUI screens that can be controlled directly by the main application
- IDGo 800 for Mobiles takes care of the Secure Element detection, PIN entry and keys management.

Technical Specifications

		Characteristics
Operating Systems	Android	<ul style="list-style-type: none"> • Android 4.x, 5.x, 6.0
	iOS	<ul style="list-style-type: none"> • iOS 8.x, 9.x
Supported applets	PKI: IDPrime .NET	<ul style="list-style-type: none"> • All versions except IDPrime .NET 5500 bio
	PKI: IDPrime MD	<ul style="list-style-type: none"> ◦ IDPrime MD 830 and 840 • IDPrime MD 3810 and 3840 • IDPrime MD 8840 MicroSD cards
Secure Element form factors	PKI: CAC-PIV	<ul style="list-style-type: none"> • Read mode
	OTP	<ul style="list-style-type: none"> • IDPrime OTP-OATH v2.x <ul style="list-style-type: none"> ◦ <u>IDPrime .NET card</u> • <u>IDPrime MD 8xx card</u> • <u>IDPrime PIV card</u> and PIV-CAC compliant cards • T=0 in USB mode
	ID-1 size contact card (via a reader) ID-000 size contact card (via a USB token)	
	ID-1 contactless or dual card (via NFC)	<ul style="list-style-type: none"> • IDPrime MD 38xx card
	UICC-SIM card	<ul style="list-style-type: none"> • IDPrime PIV and MD applets
	Secure MicroSD card	<ul style="list-style-type: none"> • <u>IDPrime MD 8840</u> MicroSD card
	Other form factors supported	<ul style="list-style-type: none"> • Embedded Secure Element (eSE)

Interface with the main application		<ul style="list-style-type: none"> • Software smart card
	PKI API	<ul style="list-style-type: none"> • JCE (Java Cryptographic Extension): Android only • Minidriver-like API
	APDU API	<ul style="list-style-type: none"> • Subset of the PC-SC standard <ul style="list-style-type: none"> ◦ OTP
	Other APIs	<ul style="list-style-type: none"> • Graphical User Interface (GUI) • Configuration options • Secure Storage
Communication channel with the Secure Element or reader	USB OTG (Android only)	<ul style="list-style-type: none"> • USB-CCID readers and tokens • PINpad readers
	NFC (Android only)	<ul style="list-style-type: none"> • ISO 14443 -1 to -4
	<u>Bluetooth Smart</u> (or BLE)	<ul style="list-style-type: none"> • <u>IDBridge CT1100</u> Badge Holder • <u>IDBridge K1100</u> token • Ezio Bluetooth PINpad reader
	Apple connector (iOS only)	<ul style="list-style-type: none"> • Precise Biometrics Tactivo readers range
User interface functions	PIN management	<ul style="list-style-type: none"> • Change PIN • Unblock PIN by Challenge-Response
	Configuration set-up	<ul style="list-style-type: none"> ◦ Secure Element selection • Keyboard type • Language
Other security features		<ul style="list-style-type: none"> ◦ Secure PIN pad • Secure Bluetooth Smart

- Secure Storage of critical data
- Signature-based anti-malware mechanism

Compatibility

Solution type	Owner	Solution name
IDGo 800 Mobile SDK tools	Gemalto	OTP Tool PKI Tool Test Tool Included in the SDK

How to get IDGo 800 Middleware and SDK?

The IDGo 800 SDK is provided for evaluation purpose following the signature of a Software Evaluation Agreement (SEA).

The integration of the IDGo 800 middleware in a commercial application is subject to the signature of an OEM License Agreement and the ordering of the SDK licence, that includes a full year assistance to the development.

Please contact your SMARTJAC representative info@smartjac.com

News

July 2016	Release of version v3.0.3 for Android and version v2.1.1 for iOS that now supports Android 6.0 and iOS 9.3 Sales package of MobilePKI Solutions and Bluetooth Smart readers available by request to order@smartjac.com
November 2015	Release of version v3.0 for Android and version v2.1 for iOS that now supports: <ul style="list-style-type: none"> - the new SafeNet Bluetooth Smart readers: IDBridge CT1100 Badge Holder and K1100 token - a new Secure Storage API.
April 2015	Release of version v2.2.0 for Android that now supports: <ul style="list-style-type: none"> - Android v5.0 - the new IDPrime MD 8840 MicroSD cards - a new API to configure the middleware parameters from the main application
March 2015	New IDGo 800 for Mobiles datasheet available on by request to order@smartjac.com

December 2014	Release of version v2.0.02 for iOS that now supports: - an anti malware application signature mechanism
October 2014	Release of version v2.1.0 for Android that now supports: - some extended GUI features (customisation of the IDGo windows by the main application) - an anti malware application signature mechanism - the Spanish language.