



IDGo 800 family

Securing people, networks and data

IT directors of today's organizations face a continuous stream of operational and security demands. One of the biggest challenges is to ensure employees have continuous, convenient access to company resources while in the office or remote. To effectively manage the needs of on-the-go employees, IT needs to leverage technologies such as VPN, the Internet / intranets, One-Time passwords (OTP) and Public Key Infrastructure (PKI). If network security is inadequate to support a trusted working environment, security can be compromised and operations can be disrupted.

IDGo 800 is a family middleware and SDK that enables enterprises to manage access to physical and network security systems through use of Gemalto IDPrime smart cards. IDGo 800 protects against unauthenticated network access and online identity theft. In addition, it supports certificate-based services for strong authentication, digital signature, data encryption, and secure remote access.

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A solution for the future

Today, there are more than 10 million Gemalto smart card devices being used around the world. From smart card tokens to badges, to mobile solutions, the demand for smaller, less intrusive security devices is driving development at lightening speed. In the next two to five years, the next generation of handsets BYOD/ mobile desktop will increase needs for Secure Elements and there are a host of possibilities on the horizon. The added value of IDGo 800 is that this middleware will evolve with the technology. Gemalto will continuously embed new drivers for the future secure elements as soon as they are available (UICC-SIM, MicroSD, TEE, eSE, tokens, etc) and will provide updates as part of the support and maintenance contract.

Available for all platforms

On desktop and laptop platforms, as well as on Windows 8 based tablets, IDGo 800 supports the Windows, Linux and MacOS Operating Systems, as well as the Base CSP / Minidriver and PKCS#11 standards. On Linux OS, IDGo 800 is provided in C language source code that the partner will easily compile in one of the several Linux distributions available on the market. Beside the cryptographic layers provided by the PKCS#11 and Microsoft certified minidriver libraries, IDGo 800 also includes an optional Credential Provider, run at logon, that enriches the native version of Windows.



On mobile platforms, IDGo 800 middleware's architecture is richer because it also includes an OTP-OATH API, a PC-SC API and a range of drivers to interface with a larger range of secure elements and smart card readers. The IDGo 800 SDK includes 3 different sample applications in native language (Java or Objective C) that show how to implement the libraries.

When interfacing with IDGo 800 middleware, Gemalto technological partners can easily add the highest security level to their present software-based mobile applications, addressing a larger customer base that needs to protect their data and networks with the well established PKI and OTP technologies. Organizations such as banks, governments, insurance providers, universities, hospitals, and certificate authorities that have already

deployed PKI smart cards need a solution to keep up with the growing mobile trend, while working seamlessly with existing infrastructure.

A large ecosystem based on standards

On PC platforms, IDGo 800 has been adopted by many technological partners that already benefit from the support of the IDPrime smart cards, co-marketing and mutual promotions.

On mobile platforms as well, Gemalto provides the largest possible ecosystem of partners offering solutions to the enterprises and governments. As an active member of the standardization workgroups, Gemalto is in the best possible position to implement future standards that will bring interoperability to the mobile world and support Bring Your Own Device (BYOD) deployments.

FEATURES AND BENEFITS

IDGo 800 for Mobile

- > Cryptographic middleware allowing 3rd party applications to easily support PKI, OTP and PC-SC technologies
- > Provides access to all the Gemalto IDPrime smart cards and USB tokens
- > Includes drivers for various communication channels depending on the hardware platform: USB, NFC and specific card readers
- > Supports the most popular USB readers of the market, including PIN pads
- > Easy integration in the main application thanks to the Software Development Kit (SDK)
- > OTP Display application included in the SDK, as well as test tools and sample code
- > Separate .apk application on Android, that can be delivered and installed separately from the main application
- > PIN entry, change PIN, unblock PIN functions managed by the middleware
- > Automatic detection of the secure element and associated reader
- > Option to encrypt the NFC communication
- > Support of Java Cryptographic Extension (JCE) on Android, and OpenSSL and PKCS#11 standards on iOS
- > Support of Android and iOS in 2013, possibly other popular Mobile OS in 2014.