

PRODUCT BRIEF

IDPrime 3810 Plug & Play Smart Cards



Gemalto, the world leader in digital security, offers an extensive portfolio of strong authentication solutions to help address the need for multi-factor authentication.

The IDPrime MD 3810 is a dual-interface smart card, allowing communication either via a contact interface or via a contactless ISO14443 interface, also compatible with the NFC standard.

The IDPrime MD smart cards are designed for PKI-based applications, and come with a IDGo 800 minidriver that offers a perfect integration with native support from the Microsoft® environments, up to Windows 10 (without any additional middleware).

The IDPrime MD smart cards also offer all the necessary services (with both RSA and elliptic curves algorithms) to secure an IT Security and ID access infrastructure. SafeNet Authentication Client extends the compatibility of these smart cards to any type of application, and in any environment (Windows, MAC, and Linux) that may be in used in an IT Security solution.

Future-Proofed and Scalable with Centralized Management Control

IDPrime MD 3810 is based on the advanced Gemalto IDCore 3010 platform, and integrates seamlessly with third-party applications through SafeNet Authentication development tools, supports SafeNet PKI and password management applications and software development tools, and allows customization of applications and extension of functionality through on-board Java applets.

It is also supported by SafeNet Authentication Manager, which reduces IT overhead by streamlining all authentication operations, including deployment, provisioning, enrollment, and ongoing maintenance, as well as offering support for lost tokens.

Benefits

- > NFC Compliant—IDPrime MD 3810 offer both an ISO7816 contact interface and an ISO14443 contactless interface, also compatible with the NFC standard already widely used by smartphones and tablets.
- > Centralized management control—IDPrime 3810 is fully supported by SafeNet Authentication Manager, which reduces IT overhead by streamlining all authentication operations, including deployment, provisioning, enrollment, and ongoing maintenance, as well as offering support for lost tokens.
- > No compromise on security—The IDPrime MD 3810 smart cards implement the most advanced security countermeasures for enforcing protection of all sensitive data and functions in the card.
- > Enhanced cryptographic support—IDPrime MD offers PKI services with both RSA and elliptic curves.

Strong Security

The IDPrime MD 3810 smart cards implement the most advanced security countermeasures for enforcing protection of all sensitive data and functions in the card.

IDPrime MD smart cards are multi-application smart cards and address a range of use cases that require PKI security, including secure access, email encryption, secure data storage, digital signatures and secure online transactions for end users. In addition, the IDPrime MD 3810 can have onboard the optional MPCOS applet, which offers both e-purse and data management services.

Product Characteristics	
Memory	IDPrime MD memory allows the storage of up to 15 RSA or Elliptic curve key containers
Standards	BaseCSP Minidriver v7 (IDGo 800 Minidriver) PKCS#11 and CSP (SAC)
Operating systems	Windows, MAC, Linux, Android, iOS
Cryptographic algorithms	<ul style="list-style-type: none"> > Symmetric: 3DES (ECB, CBC), AES (128, 192, 256 bits) > Hash: SHA-1, SHA-256, SHA-384, SHA-512 > RSA: up to RSA 2048 bits > RSA OAEP & RSA PSS > Elliptic curves: P-256, P-384, P-521 bits, ECDSA, ECDH > On-card asymmetric key pair generation
Communication protocols	<ul style="list-style-type: none"> > T=0, T=1, PPS, with baud up to 230 Kbps > T=CL type A, T=CL, compatible to NFC standard, with speed up to 848 Kbps
Other features	<ul style="list-style-type: none"> > Onboard PIN Policy > Multi-PIN support (including a dedicated IDGo 800 Credential Provider)
Gemalto Applets (optional)	
MPCOS	E-purse & secure data management application
Chip characteristics	
Technology	Embedded crypto engine for symmetric and asymmetric cryptography
Lifetime	<ul style="list-style-type: none"> > Minimum 500,000 write/erase cycles > Data retention for minimum 25 years
Certification	CC EAL5+
Security	
The IDPrime MD smart cards include multiple hardware and software countermeasures against various attacks: side channel attacks, invasive attacks, advanced fault attacks and other types of attacks.	

Why Gemalto

IDPrime MD 3810 is part of a large range of Gemalto IDPrime smart cards and benefits from Gemalto's extensive experience with minidriver enabled smart cards. Gemalto's Identity Protection solutions enable enterprises, financial organizations and service providers to protect the daily digital interactions of employees, partners and customers by ensuring secure access to online resources and securing financial transactions. Gemalto's flexible management platforms and broad range of strong authentication technologies and form factors, allow organizations to adopt a forward-looking identity management strategy, ensuring that their security needs are met as new threats and use cases evolve.

To learn more about Gemalto's complete portfolio of authentication solutions, visit our website at: www.gemalto.com/identity.

Contact Us: For all office locations and contact information, please visit safenet.gemalto.com

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