Identity and Authentication
PKI Portfolio
Gemalto offers comprehensive public key infrastructure (PKI) authentication solutions that provide optimal levels of security. Supporting a wide portfolio of IDPrime smart cards and USB eTokens, Gemalto’s authentication management solutions ensure the proper security controls are in place to verify the identity of users and enable advanced security applications such as authentication, digital signing and encrypted email on any PC, desktop or mobile device.

Gemalto PKI solutions serve many use cases:

- Physical/Logical Access
- Digital Signature
- Email Encryption
- Endpoint Protection

Applicable for a variety of vertical industries.

- Enterprise
- Healthcare
- Law Enforcement
- Critical Infrastructure
- Government and Municipalities
The Gemalto PKI Portfolio at a glance

Management

- SafeNet Authentication Manager

Middleware

- SafeNet Authentication Client
- SafeNet Minidriver

Authenticators

- PKI Tokens
- IDPrime MD 830/831*
- IDPrime MD 840/841*
- IDPrime MD 3840
- IDPrime MD 3810/3811
- IDBridge CT30*
- IDBridge CT31
- IDBridge CT40
- IDBridge CT 700
- IDBridge CT 710

- PKI Smart Cards
- SafeNet eToken 5110*

- Smart Card Readers

MobilePKI

- Bluetooth Smart Devices
- IDGo 800 SDK for Mobile Apps
- MobilePKI for BlackBerry®
- SafeNet Reader CT1100
- SafeNet Reader K1100

* Indicates standard/default product for most use cases
Management

The need to securely and timely manage users and authenticators is important with any PKI-based deployment. Gemalto offers the most comprehensive identity access and authentication management systems to administer, monitor, and manage strong authentication deployments and digital signing across the organization.

Full Credential Lifecycle Management

Gemalto integrates with leading 3rd party CMS providers to manage other, specialized PKI deployments where integration with the physical access system is required or a complete PIV solution is desired.

Middleware

Gemalto middleware enables strong authentication operations and the implementation of certificate-based applications such as digital signing, network logon and password management. Because not every organization has the same needs, we have a full middleware client solution, as well as a lightweight minidriver option that is fully integrated on Windows.

Advanced Management Functionality

SafeNet Authentication Manager

- Comprehensive authentication and credential management server for securing local and remote access to many corporate resources using a single authentication back-end
- Certificate-based and software authentication solutions and OTP
- For enterprise deployments requiring life cycle management, provisioning of certificates and tokens for PKI-based strong authentication and digital signing

Light Management Functionality

SafeNet Authentication Client

Full management solution, providing full local admin and support for advanced card and token management, events and deployment. Allows organizations to use PKI-enabled security capabilities from any client or server thanks to multi-platform support for Windows, Linux, and Mac. SafeNet Authentication Client is intended for enterprises with large deployments that need local admin and support for a large landscape of platform integrations.

SafeNet Minidriver

Plug and Play solution, providing the Enterprise the simple way to manage our minidriver enabled smart cards and eTokens in Windows environment. For organizations with smaller deployments that need minimal administrative support and want a light solution to manage Gemalto minidriver-enabled smart cards and eTokens.
Authenticators

Gemalto’s broad portfolio of PKI-based authenticators offers a variety of options including contact cards with a wide choice of card body options and contactless technologies, dual interface cards compatible with NFC and USB tokens and secure storage.

The following grid maps authenticators to associated features including contact of contactless interface and physical or logical only access. Find the card that corresponds to your business needs.

PKI Tokens
PKI Smart Cards

<table>
<thead>
<tr>
<th>PKI Tokens</th>
<th>PKI Smart Cards</th>
</tr>
</thead>
<tbody>
<tr>
<td>Logical Access/Contact</td>
<td>Physical Access/Contactless (NFC)</td>
</tr>
<tr>
<td>eToken 5110</td>
<td>eToken 5110</td>
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<tr>
<td>IDPrime MD 831</td>
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<td>IDPrime MD 841</td>
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</tbody>
</table>

Form Factor Type
- Smart card
- Token

Certification Type
- Common Criteria
- FIPS

The IDBridge reader portfolio includes readers for desktops and remote access. This ensures the maximum flexibility for any use case or business environment.

**IDBridge CT30/31**
Portable USB contact reader with transparent casing, and optional stand accessory. CT31 is PIV and TAA Certified

**IDBridge CT40**
USB contact desktop reader with non-transparent casing for graphical customization

**IDBridge CT700/710**
Desktop Pinpad reader with keypad and display, adding secure PIN entry (SPE) functionality. CT710 is a portable version
The way people connect, communicate and work is changing as rapidly as the technology that drives it, but security can’t be sacrificed for convenience. Gemalto’s Bluetooth Smart solutions meet the demands of any device access, backed by the security of PKI using a single credential.

### Form Factors

<table>
<thead>
<tr>
<th>Device Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SafeNet Reader CT1100</td>
<td>A badge holder form factor that is perfect for a corporate use case.</td>
</tr>
<tr>
<td>SafeNet Reader K1100</td>
<td>A USB token that can be attached to a keychain.</td>
</tr>
</tbody>
</table>

### IDGo 800 Mobile Middleware and SDK

Includes libraries to interface with a larger range of Secure Elements, such as Bluetooth Smart, Micro-SD, USB, NFC and smart card readers. SDK allows for application development to extend into a host of different use cases where secure mobility is in demand, such as healthcare and law enforcement.

### MobilePKI for BlackBerry®

Replaces existing user password with two-factor authentication and is compatible with the Single Sign-On (SSO) capabilities of BlackBerry® applications. Users login once to get access to all containerized apps on the mobile device, as well as behind-the-firewall enterprise resources without having to enter additional corporate credentials.
Putting it all together

As you just read, Gemalto offers a robust portfolio of PKI-based management, middleware, form factors and mobile-enablement products. Designing an end-to-end solution doesn’t have to be a daunting task. For most organizations, a managed environment is the best option. Not only are you given all the administrative support you would need, but also unmatched ecosystem integration. For Managed Ecosystems, we recommend the package of SafeNet Authentication Manager, SafeNet Authentication Client and an IDPrime smart cards or SafeNet eToken form factors, whatever best fits your organization’s needs.

However we recognize some organizations need specialized features, such as on premises smart card printing, or support for PIV card deployments. In these cases, we have technology experts to work with you and our leading 3rd party providers to design a solution that delivers what you need. Please contact us for more information.
ABOUT GEMALTO’S SAFENET IDENTITY AND DATA PROTECTION SOLUTIONS

Gemalto offers one of the most complete portfolios of enterprise security solutions in the world, enabling its customers to enjoy industry-leading protection of digital identities, transactions, payments, and data – from the edge to the core. Gemalto’s portfolio of SafeNet Identity and Data Protection solutions enable enterprises across many verticals, including major financial institutions and governments, to take a data-centric approach to security by utilizing innovative encryption methods, best-in-class crypto management techniques, and strong authentication and identity management solutions to protect what matters, where it matters. Through these solutions, Gemalto helps organizations achieve compliance with stringent data privacy regulations and ensure that sensitive corporate assets, customer information, and digital transactions are safe from exposure and manipulation in order to protect customer trust in an increasingly digital world.