



PRODUCT BRIEF

SafeNet eToken 5110

To protect identities and critical business applications in today's digital business environment, organizations need to ensure access to online and network resources is always secure, while maintaining compliance with security and privacy regulations. SafeNet eToken 5110 offers two-factor authentication for secure remote and network access, as well as certificate-based support for advanced security applications, including digital signature and pre-boot authentication.

Two-Factor Authentication you can Trust

SafeNet eToken 5110 is a portable two-factor USB authenticator with advanced smart card technology. Certificate-based technology generates and stores credentials—such as private keys, passwords, and digital certificates inside the protected environment of the smart card chip. To authenticate, users must supply both their personal SafeNet eToken authenticator and password, providing a critical second level of security beyond simple passwords to protect valuable digital business resources.

Future-Proofed and Scalable with Centralized Management Control

SafeNet eToken 5110 is based on the advanced Gemalto IDCore 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. SafeNet eToken 5110 is supported by SafeNet Authentication Manager (excluding SafeNet eToken 5110 CC), which reduces IT overhead by streamlining all authentication operations, including deployment, provisioning, enrollment, and ongoing maintenance, as well as offering support for lost tokens. SafeNet eToken 5110 is also supported by SafeNet Authentication Client for full local admin and support for advanced token management, events and deployment

Benefits

- > Improves productivity by allowing employees and partners to securely access corporate resources
- > Enables advanced certificate-based applications, such as digital signature and pre-boot authentication
- > Portable USB token: no special reader needed
- > Simple and easy to use – no training or technical know-how needed
- > Expand security applications through on-board Java applets
- > Enhance marketing and branding initiatives with private labeling and color options.

Technical Specifications

Supported operating systems	Windows Server 2008/R2, Windows Server 2012 and 2012 R2, Windows 7, Mac OS, Linux, Windows 8, Windows 10		
API & standards support	PKCS#11, Microsoft CAPI, PC/SC, X.509 v3 certificate storage, SSL v3, IPSec/IKE, MS minidriver, CNG		
Memory size	80K		
Dimensions	5110-16.4mm*8.5mm*40.2mm		
ISO specification support	Support for ISO 7816-1 to 4 specifications		
Operating temperature	0° C to 70° C (32° F to 158° F)		
Storage temperature	-40° C to 85° C (-40° F to 185° F)		
Humidity rating	0-100% without condensation		
Water resistance certification	IP X7 – IEC 60529		
USB connector	USB type A; supports USB 1.1 and 2.0 (full speed and high speed)		
Casing	Hard molded plastic, tamper evident		
Memory data retention	At least 10 years		
Memory cell rewrites	At least 500,000		
	SafeNet eToken 5110 FIPS	SafeNet eToken 5110 CC	SafeNet eToken 5110
On-board security algorithms	<ul style="list-style-type: none"> > Symmetric: AES, 3DES (Triple DES) 128/192/256 bit > Hash: SHA-256 > RSA: 2048-bit, > Elliptic curves: P-256, P-384 	<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 (and optionally up to 4096 bits) > RSA OAEP & RSA PSS > Elliptic curves: P-256, P-384, P-521 bits, ECDSA, ECDH > On-card asymmetric key pair generation (RSA up to RSA2048 & Elliptic curves) 	<ul style="list-style-type: none"> > Symmetric: 3DES (Triple DES), AES 128/192/256 bit > Hash: SHA1, SHA256 > RSA 1024-bit / 2048-bit > Elliptic curves: P-256, P-384
Security certifications	FIPS 140-2 level 3	CC EAL5+	FIPS 140-2 level 3(SC chip and OS)
Smart Card Platform	Gemalto IDCore 30 (rev B) and eToken applet	IDPrime MD 840	Gemalto IDCore 30 and eToken applet

Gemalto's SafeNet Family of Authentication Solutions

Offering flexible management platforms, the broadest range of strong authentication methodologies and form factors, and transaction verification capabilities, as well as identity federation and Single Sign-on, SafeNet solutions create a future-ready security foundation that allows organizations to adopt a modular, forward-looking identity management strategy, ensuring that their security needs are met as new threats, devices, and use cases evolve. To learn more about the complete SafeNet portfolio of authentication solutions, please visit our website at www.gemalto.com/identity.

Supported Applications

- > Secure remote access to VPNs and Web portals and Cloud Services
- > Secure network logon
- > Digital signing
- > Pre-boot authentication

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security to be free



PRODUCT BRIEF

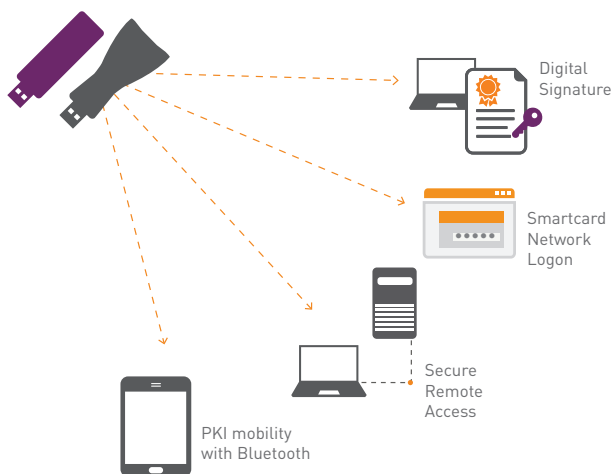
SafeNet Authentication Client

The Power to Easily Manage Gemalto's PKI-based Authentication

SafeNet Authentication Client is a unified middleware client that manages Gemalto's extensive SafeNet portfolio of certificate-based authenticators, including eToken, IDPrime smart cards, iKey smart card, USB and software-based devices. Offering full backward compatibility and incorporating features from previous middleware versions, SafeNet Authentication Client ensures complete support for all currently deployed eToken and iKey devices, as well as IDPrime MD and .NET smart cards.

SafeNet Authentication Client links applications to Gemalto's PKI authenticators, providing full local administration and support for multiple advanced security applications such as digital signing, pre-boot authentication and disk encryption. With SafeNet Authentication Client, private keys can be generated and stored on-board highly secure smart card-based authenticators allowing users to securely carry all their digital credentials wherever they go.

Leverage your PKI Solution for multiple Use Cases



Benefits

- > Transparently operates with any standard certificate-based security application
- > Consolidated & simplified management tools allow users to manage their own cards/tokens and certificates
- > Supports secure access, data encryption and digital signing—all with a single authenticator
- > Streamlines security operations by allowing organizations to deploy multiple security applications on a single platform
- > Allows organizations to use certificate-enabled security capabilities from any client or server thanks to multi-platform support

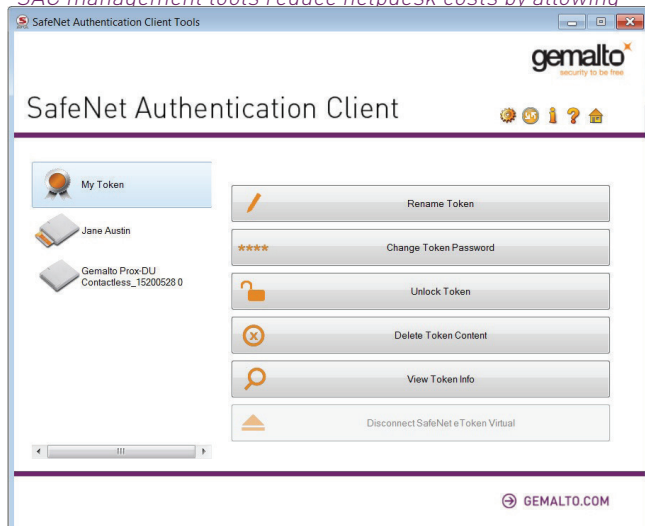
Features

- > Strong two-factor authentication for network and data protection
- > Support for Common Criteria and FIPS certified devices
- > Full support for IDPrime MD smart cards, including Multi-slots support and PIN Quality modifications
- > Support for PIN Pad Readers
- > Support for See What You Sign (SWYS) PIN Pad readers with IDPrime MD smart cards
- > Enables local administration and usage of devices
- > Support for full client customization, including security configuration, policies and user interface
- > Seamless integration with any certificate-enabled application based on industry standard APIs
- > Enables enhanced password management applications for protecting PCs and securing on-site local network access, using eToken Network Logon or Gemalto IDGo Credential Provider
- > Support for Virtual Keyboard enables you to enter passwords without using a physical keyboard, providing protection against kernel level keyloggers
- > Common look and feel across all platforms

A Unified Solution for All Users

SafeNet Authentication Client is available for Windows, Mac, and Linux, so your organization can take full advantage of certificate-based security solutions ranging from strong authentication, encryption and digital signing, from virtually any device, including mobile. Gemalto's MobilePKI solutions are fully compatible with SafeNet Authentication Client and allow organizations to easily extend PKI security to mobile devices.

SAC management tools reduce helpdesk costs by allowing



users to maintain their own cards/tokens and certificates

About Gemalto's SafeNet Identity and Data Protection Solutions

Gemalto's portfolio of SafeNet Identity and Data Protection solutions enables enterprises, financial institutions and governments to protect data, digital identities, payments and transactions—from the edge to the core. Our solutions take a data-centric approach to security with innovative encryption methods, best-in-class crypto management, and strong authentication and identity management to help customers protect what matters, where it matters.

** For a full list of backward compatible supported authenticators, please refer to the latest customer release notes.*

Technical Specifications

Supported operating systems

- > Windows Server 2008 R2 SP1 (32-bit, 64-bit)
- > Windows Server 2008 SP2 (32-bit, 64-bit)
- > Windows Server 2012 and 2012 R2 (64-bit)
- > Windows Server 2016 (64-bit)
- > Windows 7 SP1 (32-bit, 64-bit)
- > Windows 8 (32-bit, 64-bit)
- > Windows 8.1 (32-bit, 64-bit)
- > Windows 10 (32-bit, 64-bit)

Mac:

- > MAC OS X 10.11.6, 10.12.3

Linux Distributions:

- > Ubuntu 13.10, 14.04, CentOS 7.3, 6.9, Red Hat 7.3, 6.9, SUSE Linux enterprise desktop 11.3, 12.0, Fedora 20, Debian 7.7

Supported APIs

- > PKCS#11 V2.20, MS CryptoAPI and CNG (CSP, KSP), Mac Keychain (TokenD), PC/SC

Supported cryptographic algorithms

- > 3DES, SHA-256, RSA up to 2048-bit, Elliptic Curve Cryptography (ECC)

Supported CAs

- > Microsoft, Entrust, VeriSign

Supported Browsers

- > Firefox
- > Internet Explorer
- > Microsoft Edge (does not support certificate enrollment)
- > Chrome (does not support certificate enrollment)

Supported SafeNet Authenticators include*:

- > IDCore 30B
- > IDPrime MD 840
- > IDPrime MD 3840
- > IDPrime MD 830-FIPS
- > IDPrime MD 830-ICP
- > IDPrime MD 3810
- > IDPrime MD 3811
- > IDPrime .NET (only SAC PKCS#11 and IDGo 800 Minidriver interfaces)
- > SafeNet eToken 5110
- > SafeNet eToken 5110 CC
- > SafeNet eToken 5110 FIPS
- > SafeNet eToken 5110 FIPS HID
- > SafeNet eToken 5110 HID
- > SafeNet eToken 7300
- > SafeNet eToken 7300-HID
- > SafeNet Virtual Token

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