

# 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 Thales 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 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.

## Supported Applications

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

## Technical Specifications

<b>Supported operating systems</b>	Windows Server 2008/R2, Windows Server 2012 and 2012 R2, Windows 7, Mac OS, Linux, Windows 8, Windows 10		
<b>API &amp; standards support</b>	PKCS#11, Microsoft CAPI, PC/SC, X.509 v3 certificate storage, SSL v3, IPSec/IKE, MS minidriver, CNG		
<b>Memory size</b>	80K		
<b>Dimensions</b>	5110–16.4mm*8.5mm*40.2mm		
<b>ISO specification support</b>	Support for ISO 7816-1 to 4 specifications		
<b>Operating temperature</b>	0° C to 70° C (32° F to 158° F)		
<b>Storage temperature</b>	-40° C to 85° C (-40° F to 185° F)		
<b>Humidity rating</b>	0-100% without condensation		
<b>Water resistance certification</b>	IP X7 – IEC 60529		
<b>USB connector</b>	USB type A; supports USB 1.1 and 2.0 (full speed and high speed)		
<b>Casing</b>	Hard molded plastic, tamper evident		
<b>Memory data retention</b>	At least 10 years		
<b>Memory cell rewrites</b>	At least 500,000		
	<b>SafeNet eToken 5110 FIPS</b>	<b>SafeNet eToken 5110 CC</b>	<b>SafeNet eToken 5110</b>
<b>On-board security algorithms</b>	<ul style="list-style-type: none"> <li>• Symmetric: AES, 3DES (Triple DES) 128/192/256 bit</li> <li>• Hash: SHA-256</li> <li>• RSA: 2048-bit,</li> <li>• Elliptic curves: P-256, P-384, ECDH</li> </ul>	<ul style="list-style-type: none"> <li>• Symmetric: 3DES (ECB, CBC), AES (128, 192, 256 bits)</li> <li>• Hash: SHA-1, SHA-256, SHA-384, SHA-512</li> <li>• RSA: up to RSA 4096 bits</li> <li>• RSA OAEP &amp; RSA PSS</li> <li>• P-256 bits ECDSA, ECDH.</li> <li>• P-384 &amp; P-521 bits</li> <li>• ECDSA, ECDH are available via a custom configuration</li> <li>• On-card asymmetric key pair generation (RSA up to 4096 bits &amp; Elliptic curves up to 521 bits)</li> <li>• Symmetric: AES—For secure messaging and 3DES for Microsoft Challenge/Response only</li> </ul>	<ul style="list-style-type: none"> <li>• Symmetric: 3DES (Triple DES), AES 128/192/256 bit</li> <li>• Hash: SHA1, SHA256</li> <li>• RSA 1024-bit / 2048-bit</li> <li>• Elliptic curves: P-256, P-384, ECDH</li> </ul>
<b>Security certifications</b>	FIPS 140-2 level 3	CC EAL5+ / PP QSCD, eIDAS qualified for both eSignature and eSeal, and qualified by the French ANSSI	FIPS 140-2 level 3 (SC chip and OS)
<b>Smart Card Platform</b>	Thales IDCore 30 (rev B) and eToken applet	IDPrime MD 940	Thales IDCore 30 and eToken applet

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