Thales Fusion Authenticators

Two Forms of Phishing Resistant Multi-Factor Authentication in a Single Device

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Token – Form Factor

Product Characteristics	SafeNet eToken Fusion	SafeNet eToken Fusion (CC)
Form Factor	USB-A or USB-C	USB-A or USB-C
Contact (ISO 7816)	FIDO & PKI	FIDO & PKI
Contactless (ISO 14443)	N/A	N/A
Memory		
Memory chip	400 KB Flash	400 KB Flash
Free memory available for resident keys, certificates, additional applets & data	55 KB	73 KB
Key Capacity		
FIDO resident keys	Up to 8	Up to 8
PKI key containers	20	20
Standards Supported		
Java Card	3.0.4	3.0.4
Global Platform	2.2.1	2.2.1
FIDO 2.0	✔	✔
PKI	IDPrime 930	IDPrime 940
U2F	✔	✔
Base CSP minidriver (SafeNet minidriver)	✔	✔
Cryptographic algorithms (PKI)		
Hash: SHA-1, SHA-256, SHA-384, SHA-512.	✔	✔
RSA: up to RSA 4096 bits	✔	✔
RSA OAEP & RSA PSS	✔	✔
P-256 bits ECDSA, ECDH. P-384 & P-521 bits ECDSA,	✔	✔
ECDH are available via a	✔	✔
custom configuration	✔	✔
On-card asymmetric key pair generation (RSA up to 4096 bits & Elliptic curves up to 521 bits)	✔	✔
Symmetric: AES—For secure messaging and 3DES for Microsoft Challenge/ Response only	✔	✔

Token – Form Factor (continued)

Product Characteristics	SafeNet eToken Fusion	SafeNet eToken Fusion (CC)
Certifications		
Chip: CC EAL6+	N/A	✔
NIST certification - FIPS 140-2 L2	✔	N/A
Java platform: CC EAL5+/ PP java card certified	N/A	✔
Java platform + PKI applet: CC EAL5+/PP QSCD	N/A	✔
eIDAS qualified for both eSignature and eSeal	N/A	✔
TAA Compliant	N/A	N/A
Physical Access - Mifare Classic & DesFire configurations	N/A	N/A
Other PKI Features		
Onboard PIN policy	✔	✔
Multi-PIN support		✔
Customization and branding	✔	✔
Operating Systems		
FIDO supported in Windows 10 and other FIDO-compliant operating systems	✔	✔
PKI supported in Windows, macOS X, and Linux	✔	✔

About Thales Trusted Cyber Technologies

Thales Trusted Cyber Technologies, a business area of Thales Defense & Security, Inc., is a trusted, U.S. provider of cybersecurity solutions dedicated to U.S. Government. We protect the government's most vital data from the core to the cloud to the edge with a unified approach to data protection. Our solutions reduce the risks associated with the most critical attack vectors and address the government's most stringent encryption, key management, and access control requirements.

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