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Stealth MXP™

The Redefinition of Portable Security

Stealth MXP provides unprecedented security, functionality and flexibility in the management of sensitive corporate information, copied or removed from the enterprise network, as well as both personal and corporate credential protection and validation.

The need of the enterprise to protect valuable corporate data from theft or malicious manipulation is paramount. On the other hand, with the increasing need of a mobile workforce, the equal need to deploy this very information is also paramount. It is from this dichotomy that Stealth MXP was designed... a device supporting both secure encrypted storage as well as trusted credentials used for authentication and verification to enterprise and personal services.

Stealth MXP is a complete standalone, portable, USB powered, secure, multi-functional product with on-board processor and seamless hardware based encryption. Stealth MXP provides encrypted storage up to 2GB in a "stick" footprint accessed user bound via strong authentication using biometric (identification and verification), password and 2-Factor (combined). Stealth MXP supports the enrollment of 5 users and 6 fingerprints. The Stealth MXP makes use of a patent pending user-mode communication protocol providing true zero footprint mode – no software installation and no administrator rights required on the host PC.

Stealth MXP is a state-of-the-art Portable Security Token Service (PSTS) for WS-Trust, providing up to 36 PSTS Credential Sets and capable of issuing SAML tokens for an unlimited number of bindings to Target Services. Stealth MXP offers a host of general purpose, industry standard, cryptographic services, including random number generation, key generation with internal or external entropy, symmetric encryption/decryption (AES), asymmetric signing, verification, encryption and decryption (RSA), One Time Password (OATH HOTP), secure hash (SHA-1 and SHA-256) and compliance with industry standards such as X9.31, PKCS #1 and SAML 1.1

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Stealth MXP specifications

Features

- Driverless – Patent pending, zero footprint, user-mode communication protocol for true portability.
- PSTS (Portable Security Token Service) support
- Biometric (fingerprint) security access
- Biometric Swipe Technology Sensor
- 4-40 character password
- On board hardware based cryptographic services
- Storage capacity of 64MB to 2GB Flash
- Up to 5 users and 10 fingerprints can be enrolled
- Administrator tools powered by ACCESS™
- Robust metal casing to protect the device
- LEDs to indicate power and activity
- USB 2.0/1.1 Compatible
- Compact, portable footprint

Authentication and User Policies

- Biometric Authentication (Identification and Verification)
- Password Authentication
- Two-Factor Authentication (Biometric and Password)
- Up to six (6) fingerprint enrollments
- Supports five (5) users
- Two (2) rolls: Administrator or General User
- Configurable biometric retry limit
- Configurable password retry limit
- Selectable biometric sensitivity level
- Five (5) biometric security levels from 1:2,700 to 1:100,000 FAR
- Hardware fingerprint capture and comparison using swipe technology

General Purpose Cryptographic Services

- 256 symmetric key containers for AES and HOTP secret keys
- 504 asymmetric key containers for 2048 bit RSA keys
- One time password generation compliant with OATH HOTP algorithm
- 256 bit AES encryption/decryption (FIPS Pub 197)
- SHA-1 and SHA-256 hash algorithms (FIPS Pub 180-1/180-2)
- Keyed-Hash Message Authentication Code (HMAC) (FIPS Pub 198)
- RSA key generation (X9.31 and PKCS #1)
- 1024/2048/3072 bit RSA Key sizes
- RSA Signature and Verification (X9.31 and PKCS #1)
- RSA Encryption/Decryption (PKCS #1)

Storage Capabilities

- General purpose mass storage in flash memory capacities of 64MB, 128MB, 256MB, 512MB, 1GB and 2GB
- Configurable public and private partitioning
- Transparent encryption and decryption to private partitions using 256 bit AES

- Five (5) 512KB secure private stores (1/user) encrypted 256 bit AES
- One (1) 512KB public store
- Ten (10) 96 byte BioAPI compliant secret payloads (1 per finger enrollment)

Portable Security Token Service (PSTS)

Capabilities

- WS-Trust profile support using SAML 1.1
- Up to 36 x 64KB PSTS credential sets
- Unlimited Target Service bindings
- Supports Microsoft InfoCard

Power

- USB bus power

Environment

- Windows 2000, XP (Pro & Home), MAC, Linux

Physical

- TBA

Warranty

- Limited 1 year warranty. Return to point of purchase

Regulatory

- Certification FCC Part 15 Class B
- CE EN55022 Class B (1998) for conducted and emissions

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