USB Multi-factor Authentication

IDProtect Key with LASER — secure multi-factor authentication in a USB form factor

Multi-factor Authentication

As organisations continue to realise the benefit of the digital landscape it is increasing important to ensure access to e-resources are tightly controlled.

Athena's multi-factor authentication technology enables issuers to incorporate 'something the user knows', 'something the user has' and 'something the user is' within a secure package and deploy it seamlessly within an existing architecture.

Athena's IDProtect Key loaded with LASER (Athena's on card PKI application) provides a complete multi-factor authentication solution within a convenient USB form factor.

Making Multi-factor Authentication Truly Portable

Traditionally multi-factor authentication devices rely on a card form factor interfacing with a host through a smart card reader. With the ubiquity of USB Athena has released IDProtect Key loaded with on-card PKI application—LASER. Built using a single chip USB architecture, ensuring unparalleled levels of security, and offering a full speed USB 2.0 interface IDProtect Key with LASER offers truly portable secure multi-factor authentication.

MS CAPI/CNG, PKCS#11 and ILM support - Ready for PKI

Each IDProtect Key is delivered with Athena's state of the art middleware—IDProtect Client—that in conjunction with the key provides PKCS#11, Microsoft CAPI/CNG and optionally Microsoft ILM/FIM support.

Technology Options

IDProtect Key can also optionally support the latest biometric Match-On-Card technology and integrate with Microsoft ILM/FIM architectures.

Microsoft Support with IDProtect Client

With support for Microsoft's Cryptography API (CAPI) and Cryptography API: Next Generation (CNG) through the certified Athena Crypto Service Provider (CSP) or Minidriver, IDProtect Client seamlessly integrates the USB Key hardware with Microsoft Windows applications including Outlook, Internet Explorer as well as Windows 7, Vista, XP, Server 2003/2008/2008 R2 Smart Card Logon, VPN, IPSec/IKE and Remote Terminal Services.

Athena supports:

LINUX and Mac Support

Athena can also provide PKCS#11 and tokend middleware for LINUX and Mac OSX systems.

Designed and Built by Athena

Athena solutions are designed and built 'in-house' to ensure solutions work 'out of the box'. If you need support or extra functionality —*just ask*—Athena engineers design, build, test and support Athena solutions and are always available to help.

Technical Highlights

- FIPS 140-2
- ISO 7816
- Full speed USB 2.0
- Java Card 2.2.2
- Global Platform 2.1.1
- DES and 3DES
- RSA
- RSA-CRT
- AES
- SHA-1
- SHA-256
- MS-CAPI/CNG
- PKCS# 1, 7, 10 and 11 (optional #15)
- X. 509 version 3
- Windows, Linux and Mac
- Microsoft ILM/FIM (optional)
- Biometric Match-On-Card (optional)

*Silicon supplied by leading secure microcontroller manufactures.

athena

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