

# eToken NG-FLASH

eToken™  
YOUR KEY TO eSECURITY

## **USB Smart Card Authentication Token with Encrypted Flash Memory**

*Complete Secure Access and  
Portable Data Storage Solution*



**Aladdin®**  
SECURING THE GLOBAL VILLAGE

# eToken NG-FLASH - Business enabled in one portable, secure token

Aladdin's eToken NG-FLASH combines the security of a smart-card-based USB authentication device with the benefits of encrypted flash memory.

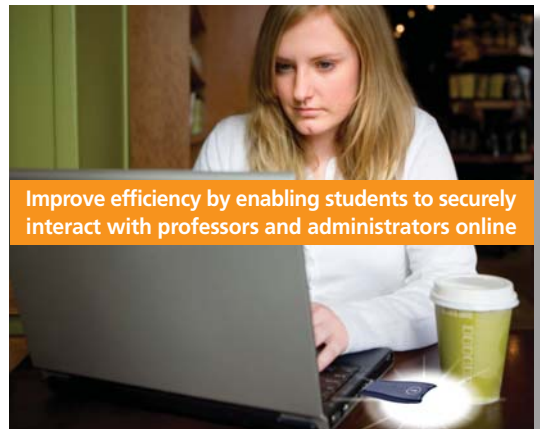
eToken NG-FLASH offers maximum versatility and usability, providing a very extensive range of capabilities in a single device. It enables secure access to networks and applications, secure online transactions, data encryption, pre-boot authentication, secure credential storage, secure portable mass data storage, and more – all in one compact USB token.

With eToken NG-FLASH you can securely carry your data, access credentials, and applications with you and use them anytime, anywhere, on any computer.

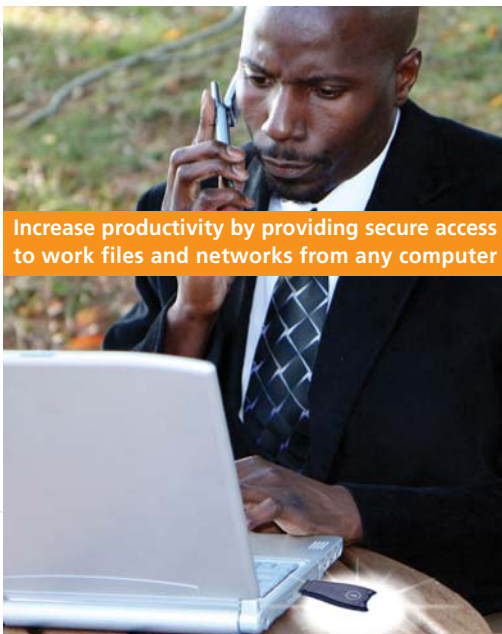
## + A World of Capabilities

The integration of a smart card and encrypted mass storage in a single USB token provides many business benefits. eToken NG-FLASH allows users to securely carry any data needed with them – including web account passwords, work files, applications, and encryption keys.

**Traveling employees** can use eToken NG-FLASH to securely connect to the company's VPN, view and edit confidential business data encrypted on the token, and send digitally signed emails to colleagues.



Improve efficiency by enabling students to securely interact with professors and administrators online



Increase productivity by providing secure access to work files and networks from any computer

**Students** can use eToken NG-FLASH to securely view transcripts and personal information over the web, digitally sign and securely submit exams online, access research databases using logon credentials securely stored on the token, and easily and securely move academic files from a personal computer to the school computer lab.

eToken NG-FLASH also has auto-run functionality that enables pre-loaded applications to launch automatically upon token plug in. This offers additional benefits such as automatic install of device drivers or security applications such as data encryption software.



## + Features:

- Strong two-factor authentication: i.e. both the token and the token password
- Flash memory for mass data storage (up to 4GB)
- On-the-fly flash memory encryption – using AES128 encryption algorithm and key stored on-board the token
- Highly secure implementation using smart card chip
- Public key infrastructure (PKI) support, with on-board RSA 1024-bit and 2048-bit PKI key generation, authentication, and digital signing
- Secure storage of user passwords and cryptographic keys
- Auto-run feature - enables solution providers to pre-load applications that automatically run directly from the token
- Flexible Java-based platform
- Supports Microsoft CCID

## + Benefits:

- Flexible solution with multiple capabilities in a single device
- Protects organizations' IT resources and data
- Enables compliance with regulations mandating data security and privacy protection, such as the Sarbanes-Oxley Act, HIPAA, and Basel II
- Full portability of user data and credentials – no special reader needed
- Enhanced productivity with increased secure connectivity to networks, applications, and web-based services

## + Enabled Security Services & Solutions:

- Secure network logon
- Windows and web-based application authentication
- Email encryption and digital signing
- Mobile data encryption
- Strong authentication and secure transactions for online financial services and eCommerce applications
- VPN authentication
- Remote Access Server (RAS) authentication
- PC Security: boot protection, disk encryption, and file encryption
- Online government and health services
- Secure physical access

For more information regarding eToken solutions, please go to:  
<http://www.Aladdin.com/eToken>

For a full list of eToken Solution Partners, go to:  
<http://www.Aladdin.com/partners>



## eToken NG-FLASH Specifications

Operating systems	Windows 2000/XP/Vista; Mac OS X; Linux *Encrypted flash supported in Windows only
API & standards support	PKCS#11 v2.01, Microsoft CAPI, PC/SC, X.509 v3 certificate storage, SSL v3, IPSec/IKE
Smart card memory	72K
Flash memory options	256MB, 512MB, 1GB, 2GB, 4GB
On board security algorithms	RSA 1024-bit / 2048-bit, DES, 3DES (Triple DES), SHA1
On board flash encryption algorithm	AES128
Security Certifications	Common Criteria EAL4 (smart card chip)
Dimensions	69.5 x 28.5 x 11.5 mm (2.74 x 1.12 x 0.45 inches)
ISO specification support	Support for ISO 7816-1 to 4 specifications
Weight	11 g
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
USB connector	USB type A; supports USB 1.1 and 2.0 (full speed and high speed)
Casing	Hard molded plastic
Smart card memory data retention	At least 10 years
Smart card memory cell rewrites	At least 500,000

### Did you know?

Allowing your users to carry sensitive data with them on their mass storage devices without encrypting the data first, can expose your organization to significant security risks. In fact, according to the CSI Annual Computer Crime and Security Survey 2007, laptop and mobile hardware theft were the third most common attack detected by the survey respondents. With eToken NG-FLASH your users can easily and securely encrypt all data stored on the eToken NG-FLASH device, and maintain high user productivity while allowing you to be rest assured that your data is safe.



For more contact information, visit: [www.Aladdin.com/contact](http://www.Aladdin.com/contact)

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