

DeltaCrypt Technologies inc.



Custom-Built Solution

Don't let your company's special requirements keep you from protecting sensitive corporate data. Have any of the DeltaCrypt public key encryption solutions adapted to your environment.

Complete Range of Encryption Products

DeltaCrypt offers a complete range of encryption applications. Whether you want to protect your PC, data exchanges, emails, USB flash memory drives as well as your backups, DeltaCrypt has the right solution for you.

Strong Presence in Security-conscious Organizations and Industries

Governments, R&D, High Tech, Financial Institutions, Lotteries, Oil & Gas, etc.

DeltaCrypt Encryption Protection

DeltaCrypt is a privately owned corporation. Our dedicated team has been developing cryptographic applications for nearly 10 years. DeltaCrypt's mission is to develop new and innovative public key encryption technologies of the highest quality suited for medium, large & enterprise clients.

Public Key Encryption

DeltaCrypt applications offer public key encryption to secure exchanges and to protect sensitive files. Public key cryptography is an encryption method that uses two unique keys which are related: a public key which is used for encryption and a secret key (password) used to decrypt the data. As per its name, the public key is available to anyone wanting to cipher a message. However, the encrypted message can only be decrypted using the private key, which remains confidential.

1024bits RSA Keys

At encryption, a RSA public key is used by DeltaCrypt to cipher the symmetrical key included in the encryption key. At decryption, a RSA private key is used to decipher the symmetrical key. To maintain a high level of security, DeltaCrypt does not save the RSA private key on the hard drive conversely, it generates one each time the private key is required. In both cases, DeltaCrypt uses 1024bits RSA keys.

Hashing

DeltaCrypt uses a hash function to ensure the encryption integrity. All DeltaCrypt public key encryption applications benefit from a choice of hashing algorithms (SHA-1 SHA-256 and MD-5). This hashing produces a message digest to protect the encryption and the public key file integrity. For the DUSK USB protection, Encrypted Backup Solution and DEOS, DeltaCrypt strictly uses SHA-256.

AES Rijndael Encryption

DeltaCrypt applications integrate the Rijndael Algorithm (128-bit, 192-bit and 256-bit keys). The high security Rijndael algorithm is the new Advanced Encryption Standard (AES) chosen by the National Institute of Standards and Technology (NIST, FIPS-197).

FIPS 140-2 Certification

DeltaCrypt is currently undergoing a FIPS 140-2 Certification. The Federal Information Processing Standard (FIPS) Publication 140-2 is a U.S. government computer security standard used to accredit cryptographic modules.

Patent-pending technology

DeltaCrypt DUSK is patent pending.

DUSK Home Edition for Personal USB Drive Protection

DeltaCrypt DUSK Home Edition USB Key Protection enables Users to secure their mobile data with simple drag'n drop encryption technology. These mobile devices have become accessible storage tools however; they are also the cause of many lost data. Dusk Home Edition for USB quickly and cost effectively provides the security your sensitive data requires. DeltaCrypt DUSK Protection is patent pending.

DUSK HOME EDITION PROTECTION FEATURES

Drag'n Drop USB Key Protection

To encrypt, drag files and folders from DUSK Home Edition left pane (representing your PC) to its right pane (representing the USB drive). No other training required. Easy as 1, 2, 3!

Works with USB Mass Storage Devices

DUSK Home Edition installs on USB mass storage devices such as USB flash drives, USB hard disk drives, memory cards and Firewire.

No Software on Host PC needed

There is no need to install any application on any host PC. The DeltaCrypt DUSK Home Edition protection runs on the drive itself.

Protected and Unprotected Partitions

DeltaCrypt DUSK Home Edition combines a protected partition with an unprotected one to let you decide where to store your files. The decision to secure your files is left to you. The partitions automatically adjust depending on the file volume found in each of them.

Works with User (limited) and Administrator (unlimited) Accounts

DeltaCrypt DUSK Home Edition protection works with any computers even those that administrative privileges have been deactivated to make the operating system more resistant to viruses and other malicious software.



Small USB keys may contain up to 160,000 documents. One can no longer underestimate the consequences of losing such a large amount of data. Have your corporate USB keys protected with DUSK protection now.

DUSK HOME EDITION SPECS	
Support Type	<ul style="list-style-type: none"> • USB flash memory drive • USB hard disk drive • Memory card • Firewire
Operating systems	Windows 2000, XP and Vista New
USB interface	USB 2.0 / USB 1.1 / USB 1.0
File systems	FAT / FAT32 / NTFS (recommended)
Application volume	2.3 Mb
Hashing algorithm	Sha-256
Encryption type	Choice between AES 128-bit, 192-bit and 256-bit (Rijndael). All encryption methods are protected with RSA public and private 1024bit keys.
Use	With unlimited privileges (Administrator account) and limited privileges (User account)
Security	Public key encryption protection generated by password or pass phrase
Interface	Drag'n drop / Copy / Paste / Cut
Distribution	Download
Installation	Executable file. Unlimited and limited privileges.
Languages available	English, French
Updates	12 months included

HOW DUSK WORKS

Public Key Protection

Entering a User password opens the DUSK application. Once opened, to encrypt files, the User needs to drag'n drop files from DUSK left pane representing the User workstation to DUSK right pane representing the USB key. The reverse action is also true to decrypt files placed on DUSK protected USB keys.

Custom-Built Solution

Don't let your specific requirements keep you from protecting your sensitive data, contact DeltaCrypt instead. It will be our pleasure to study the possibility to adapt our technology to meet your special needs.



Contact us

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