

# File Encryption

## Introduction

Component developed under ActiveX technology, that extends the effective use of digital certificates with security purposes.

Among other advantages, digital certificates provide additional security with regards to user's identification and authentication in order to provide an efficient control of both physical and logical access.

This additional security will only be granted if we can encrypt those files containing confidential information, thus avoiding unwanted accesses. This is basically the functionality that provides Cryptolock: **"Encryption and Decryption of any type of file by using RSA public key technology"**.



## Functionalities

CryptoLock allows Encryption / Decryption of any file, by the use of a digital certificate.

CryptoLock enables:

- File Encryption / Decryption.
- Encrypt any type of document, following the PKCS#7 standard procedure.
- Encrypt a single document that is shared by several users.



Since it is based on Microsoft Windows Certificate Container technology, Cryptolock is fully compatible with all the certificates that are stored within this Container or with those stored in smartcards, USB keys or any other device that integrates with Windows.

## Characteristics

- Easy to integrate in any application, since it is developed using ActiveX technology.
- Integrated with Windows Certificate Container.
- Compatible with any X509 certificate.
- Simple and easy to use.
- Standards in use: PKCS#7, PKCS#1, DES, X509, TSP.



Realia Technologies, S.L.  
C/ Orense, 68 Pl. 11  
28020 Madrid  
Tlf.: +34- 91 449 03 30  
Fax: +34- 91 579 56 06  
[info@realsec.com](mailto:info@realsec.com)  
[www.realsec.com](http://www.realsec.com)

