



Protect for WindowsTM

*TM
Protect is an easy to use yet complex
security solution designed for protection
of sensitive company and personal data.*

The security functions of **ProtectTM** consist of the following modules:

- Encryption module
- Identification/Authentication module
- Digital signature module

Encryption module

ProtectTM is a strong file-based encryption system designed for protection of your files/folders, archives, and e-mails on local drives and networks. Data protection functions of **Protect for WindowsTM** are based on efficient, transparent on-the-fly file encryption implemented directly on the Windows file system level (95, 98, NT, 2000). Deep integration into the operating system enables a high level of security to be attained as well as fast access to the encrypted data. It brings intuitive and hassle-free work to the user



DECROS[®]
Security to fit your Information System



Key features

Encrypted files/folders can be:

- Digitally signed
- Stored on any network, fixed or removable media (HDD, CD, FDD)
- Backed up in encrypted form
- Shared by authorized groups of users
- Exchanged by e-mail
- Published on web, ftp
- Securely wiped

Benefits

- Secure data transmission through the network
- Files/folders are encrypted for their entire lifetime
Processed data always remains encrypted even when using them
- Independent of a server platform
- Support of central administration, set-up and installation
- Easy administration
- Custom algorithms available as plug-ins
- Support of encryption key storage in personal hardware tokens (Smart Card, Security Box, Touch Memory etc.)
- Negligible system overheads



Digital signature module

A client of the digital signature becomes an integral part of the Protect™ system providing an ideal combination of confidentiality (encryption) and authenticity (digital signature). Any file can be signed within archives of the Protect™ system. Encrypted and signed files can be stored anywhere in the file system, sent via e-mail or backed up in the form of optionally encrypted archives.

Obviously, a digital signature can hardly work without its network counterpart, a so called "Public Key Infrastructure" (PKI). DECROS is flexible in supporting most common PKI standards. The advantage of the DECROS digital signature module is the support of hardware security devices such as Smart Cards, Security Box, or other smart devices for storage of user credentials.

Central administration

The Protect™ system supports remote installation without the need of attendance, useful for mass installations or upgrades of program equipment. This feature enables the involvement of the installation in common tools for central administration and distribution of software.

All settings of the Protect™ system are concentrated in a Control Panel of Protect™ giving the administrator the possibility to manage them centrally by means of the Windows System Policy. This helps to adjoin individual settings to users or to whole groups of users or to selected computers or group of computers.

Customisation

The encryption software module of Protect™ can simply be integrated into custom or third-party security systems, as well as identification/authentication solutions. It can improve the security of any system as an additional complementary part of protecting sensitive company data. Combining encryption module of Protect™ with DECROS Identification/Authentication module or other access control products results in a strong and complex security enterprise solution.

Technical information

Supported platforms: Microsoft Windows 95/98/NT/2000

Symmetric ciphers: WinCros I/II (80, 160 bit), CAST (80, 128 bit)

Maximum number of loaded keys: 64

Simultaneously opened encrypted files: unlimited

Supported standards:

DECROS SAPI; PC/SC; MS CAPI; X.509v1/v3.

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