

SafeGuard® Easy



The ultimate PC security solution – for both in the office and on the move

Data is one of the most valuable assets that companies and organizations own today. In this modern business environment, data assets are increasingly vulnerable as mobile computing has become ever more widespread. Sensitive information is often stored on notebooks and removable media – without any firewall protection. Mobile devices and media, along with the sensitive and valuable information that is stored on them, are always at risk of loss or theft. Responsible companies are realizing that they need to take every appropriate step to protect their data, both inside and outside the firewall.

SafeGuard Easy provides total data protection. Complete encryption of 100% of the entire PC hard disk or storage device, along with a secured user authentication procedure that runs before the operating system boots, provides impenetrable data protection. No unauthorized user can ever access a PC or portable data storage device and access the data or use the device as a tool to enter the company network. If a device gets into unauthorized hands, the data is securely protected even if the hard disk is removed.

Whether for a single laptop or 10,000 PCs, **SafeGuard Easy** allows easy implementation and enforcement of the IT security policy. **SafeGuard Easy** is truly user-proof. It operates transparently in the background so end users don't need training or change how they work. For security officers, IT managers, and system administrators, **SafeGuard Easy** offers easy and affordable peace of mind. **SafeGuard Easy** offers the lowest total cost of ownership of any competitive solution; there aren't any hidden costs, additional hardware or software needed, or other fees or charges.

In a world where laptops and desktop PCs are lost every day and hackers attack corporate secrets every hour, **SafeGuard Easy** is a business necessity.

About Utimaco

Utimaco is the leading global manufacturer of professional IT security. Our solutions protect the electronic data of companies and governments against unauthorized access and guarantee that processes and procedures in the electronic world are binding and confidential.

The Personal Device Security division supplies technologies and solutions for mobile security in the areas of high-level authentication, including biometric techniques, encryption, and integrity checks, and the Transaction Security division specializes in security solutions for e-business, e-government, and e-payment.

Highly reliable, easy to use, and easy to administer, Utimaco products ensure low total cost of ownership. For more information, visit www.utimaco.com.

Benefits

Enhanced security

- Complete protection of PCs and notebooks against unauthorized access
- Complete protection of data on hard disks and removable media against unauthorized access
- No additional costs for data wiping or destroying hard disks in case of sale, disposal, or return of leased devices because data is securely encrypted
- Easy enforcement of company-wide security policies
- Smooth integration in existing IT security environment, e.g., cryptographic token, TPM chip
- Secure protection in all power modes, including hibernation and stand by
- Certified according to Common Criteria EAL3

Easy to deploy

- Easy rollout via network without end-user involvement
- Easy administration from central console
- Reduced Help Desk workload
- Portable and secure admin tools prepackaged with SGE
- Interoperable with Lenovos TVTs Rescue and Recovery as well as CSS and Computrace

Easy to use

- Fully automated encryption works in the background — no change of work habits, no user training
- Proven security solution — more than 2.5 million laptops and PCs worldwide are protected by SafeGuard Easy!

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SafeGuard® Easy



Key Features/Functionality

Security

- Pre-boot authentication using password or eToken; optionally applicable on up to eight OS partitions
 - Organization-specific password rules
 - Optional eToken authentication
- Comprehensive encryption capabilities
 - Full or partial hard-disk encryption, independent of file system (e.g., NTFS, FAT)
 - External media encryption (e.g., floppy disks, Zip and Jaz drives, USB memory sticks)
- Sophisticated and efficient encryption algorithms
 - AES (256 and 128 bit), IDEA (128 bit) and others
- Secure key management: Enciphering key dynamically generated from the password entered – not stored on disk
- Secure hibernation
 - Encryption of “Suspend to Disk” mode (hibernation image)
 - Authentication after resuming
- Use of TPM chip for encryption key generation and authentication procedure (e.g., IBM ESS support)
- Integrated Boot Manager to support multiple operating systems and/or partitions on the same device

System administration

- Windows MSI-based installation
- Optional central administration console
 - Queuing and distribution of configuration files to clients
 - Central collection of client settings
- Remote management console for quick and effective administrative client support
- Scripting interface for automating administrative tasks
- Pre-boot event logging
- Secure Wake on LAN

Ease of use

- Single Sign-On to the operating system
- Automated encryption without user intervention
- Efficient algorithms with negligible (and at times improved) performance impact
- Secure and powerful challenge/response procedure to reset forgotten passwords without needing to be online

System Requirements

Hardware

PC with Intel Pentium or similar
Minimum 25MB free hard-disk space

Operating System

Microsoft Windows XP/2000
Microsoft Windows 2003 Server Standard Edition
Microsoft SQL Server 8.0 (SP3) for central administration (optional)
Older systems are supported via prior versions

Network

All Microsoft-supported networks

Certifications

- Common Criteria EAL3
- FIPS 140-2 (cryptographic library under evaluation)
- Aladdin eToken enabled

Complementary SafeGuard Products

- SafeGuard Advanced Security modules as add-ons to support other smartcards, central auditing, Multi-Desktop, SSO, PnP management, Application-Specific Access Rights, and other access control capabilities
- SafeGuard LAN Crypt for workgroup-based file/folder encryption
- SafeGuard Easy Web Console for Challenge/Response Help Desk, with CryptoServer Hardware Security Module
- Plug-in for Aladdin Token Management System (TMS)

Interoperability

- Certified compatible with Lenovo Rescue and Recovery™ (RnR) allows RnR to backup and restore data to SGE encrypted
- Compatible with Computrace to locate stolen notebooks (new Computrace version required)
- SafeGuard Easy is compatible with all leading software distribution tools such as AD, SMS, Tivoli, and others
- Aladdin eToken PRO (32KB, 64KB or NG OTP) for pre-boot authentication
- Integration of other smartcards via PKCS #11 (additional SafeGuard Advanced Security module required)
- VOICE.TRUST server for automated biometric challenge/response for a “person-less” Help Desk via voice recognition for authentication

Interfaces

Scripting API to automate repetitive administration tasks

Standards/Protocols

PKCS #11, AES (256 and 128 bit), Rijndael (256 bit), IDEA (128 bit), DES (56 bit), 3DES (168 bit), Blowfish-8/16 (256 bit), Stealth 40 (40 bit)

Language Versions

English, German, French

Utimaco Safeware Partners:



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SafeGuard® Easy – Version 4.20

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