



■ Total Security for Workstations and Servers

Powerful new technologies and rapidly growing economies have created a growing concern for the protection of confidential data within an organization. Since its inception, the PC has been the target of organized computer crime and has resulted in companies losing millions of dollars. CE-Infosys has created the world's leading security solution to protect your workstation or server from attacks by unauthorized users and intruders. Elkey is a PCI card that encrypts your entire hard disk including all files, directory information, and the operating system.

■ Access Control

Elkey provides access control with the help of a SmartCard and a personal PIN. This security model ensures complete protection of your computer because without a SmartCard and a PIN, the user cannot even start the computer. A SmartCard reader plugs into the back of the Elkey card inside the computer and each user is given a SmartCard for accessing the computer. The SmartCard needs to be inserted at all times into the computer or data cannot be viewed in unencrypted form.

Elkey intercepts all reads and writes to the hard disk. Elkey will encrypt information just before it is written to the hard disk, and conversely, it will decrypt any data that is read from the hard disk immediately. To enable the decryption of information, including the operating system, a user must insert their SmartCard and enter their password as soon as the computer is turned on.

■ Key Benefits:

- No end-user training required
- Powerful security
- Only one password to remember
- Network encryption
- Cost-effective
- Quick and easy
- Robust
- Simple, efficient and easy to manage
- Automatic Windows session locking

■ High Performance On-Line Hard Disk Encryption

Elkey facilitates online hard disk encryption using our high-speed SuperCrypt chip, which can encrypt at speeds in excess of 20 Mbytes/second. All of this does not slow down the speed, as the highest rate of data transfer is achieved guaranteeing no loss in performance.

■ Network Encryption

Elkey represents the ideal solution for network encryption as it can also be used for the encryption of LANs and WANs, in combination with IPCrypt Client (VPN Client) and IPCryptor (VPN gateway). All IP traffic is encrypted inside Elkey and this ensures a secure VPN at all times.

More importantly, because the encryption is done in hardware, the communication is a lot faster and more secure as compared to using a software client.





■ Administration of Multiple Elkeys

Multiple Elkeys can be managed centrally using an admin workstation called GlobalAdmin. User access rights (read, write and boot) and the keys for Elkey are programmed on GlobalAdmin. So multiple users can be allowed to access one computer, or one user maybe permitted to access multiple computers. GlobalAdmin can also control user rights so as to allow or disallow access to floppy drives, communication ports, setting of access times, etc.

■ Integration with the CE-Infosys Family of Products

Floppy Diskette and CD encryption

Elkey allows different and flexible user rights for floppy disk access - write, read and boot. All rights that have been defined are stored in the SmartCards. Unencrypted and encrypted data media can be intermixed. A change of the encryption mode is possible during runtime. This allows you to store encrypted or plain data on floppy. It is possible to encrypt CD-ROMs before burning them and then using our product CDCrypt as a client on a PC to decrypt the CD. SafeLAN is a powerful software that allows Elkey users to encrypt data on their machines and then transfer it as an encrypted file to the fileserver - securely. So, even if an administrator has access to the server for administration purposes, he/she is not be able to read your encrypted files. DataCrypt encrypts data objects like files, directories, etc. Encrypted diskettes can also be accessed on computers that have Elkey installed, and those that possess the same diskette key. Several different keys can be used per SmartCard for diskettes and CD-ROM.

These solutions are ideal for enterprise-wide or company-wide security.

■ Powerful, Robust and Cost-Effective

All CE-Infosys products aim to provide you with the highest level of security by using 128-bit DES encryption operating in CBC mode. With our 2-factor authentication technique (SmartCard and PIN), we are able to provide optimal security against all forms of attacks.

Elkey is also a very robust solution as it has a long life span. In line with the CE-Infosys tradition of giving our customers a quality product at an affordable price, we have priced Elkey to secure workstations inexpensively in your organization.

■ Our Products, Our Support, Our Commitment to You

CE-Infosys products are highly reliable and use cutting-edge technology but what's equally important is our support for our customers. We believe in taking care of our customers and providing them with a level of support that is unsurpassable in the industry. You can check out our products for yourself and you'll be able to tell the difference!

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