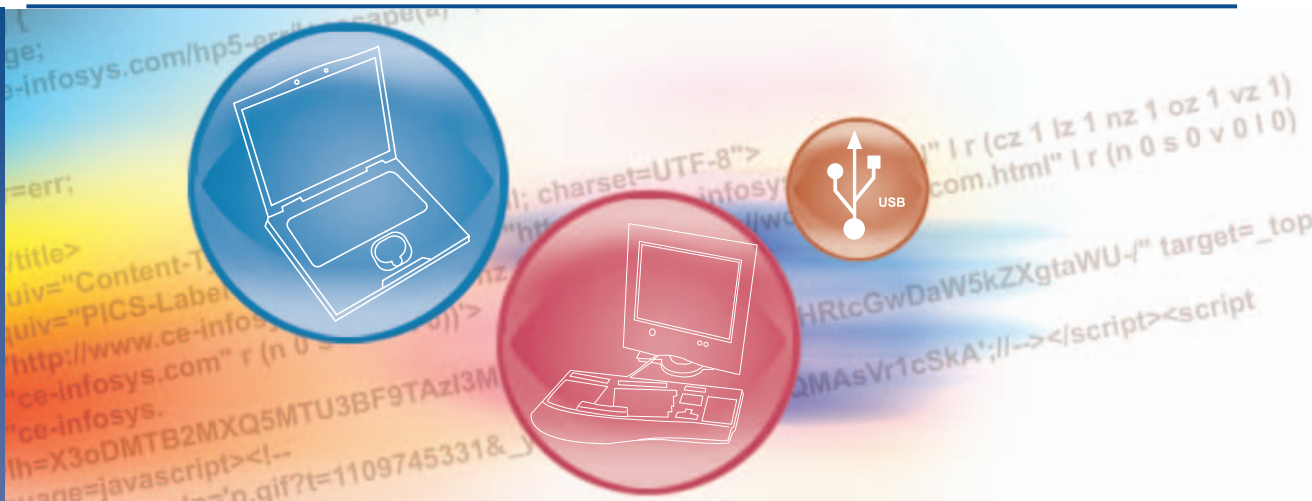


IPCrypt Client & IPCrypt Client USB



IPCrypt Client and IPCrypt Client USB secures IP connections between computer systems in IP based networks like LANs, WANs and the Internet. Workstations and Notebooks can use IPCrypt Client products in combination with Elkey, CryptCard, CompuSec[®] HSM, CompuSec[®] Mobile or as autonomous software module to enable network encryption. The IPCrypt Client software is provided free, with no limitations, is included with the IPCryptor. IPCrypt Client USB, on the other hand, uses e-Identity[®] management technology that provides for more enhanced security features.

Universal Use

- Secure Remote Access (SRA) solution for mobile systems
- Encrypted LAN
- Protect of Home-Office connections
- Protected DSL and modem connections when carrying IP traffic

IPCrypt Client and IPCrypt Client USB is the best solution for transferring confidential information via Internet.

Encryption

IPCrypt Client and IPCrypt Client USB can encrypt all the IP packets and tunnel them through the Internet. The standard encryption used is an extended DES-algorithm with 128-bit keys. Other algorithms can also be supported on request. CE-Infosys security products such as CryptCard, Elkey, CompuSec[®] HSM and CompuSec[®] Mobile further enhances IPCrypt Client products with hardware acceleration for encryption. If none of the fore mentioned products is fitted, IPCrypt Client will provide a software based encryption algorithm to run against. IPCrypt Client USB, however, provides an e-Identity[®] smart card or token to further enhance security by storing the secrets keys used in encryption. Both IPCrypt Client and IPCrypt Client USB are also able to calculate a new session key for each individual IP packet without degrading line speed. This provides for a tremendous increase in the level of security and performance compared to traditional IPSEC solutions.

Access Control

The encryption technology used in IPCrypt Client and IPCrypt Client USB ensures that the user or station is automatically authenticated when trying to establish a connection. In IPCrypt Client, this process is done through verifying the secret keys exchanged. In IPCrypt Client USB, this process is done through verifying the user's e-Identity[®] smart card or token, either together with a password or through an automated process. These processes save the additional cost of an extra authentication mechanism. This also ensures that the processing of a user is much easier and faster. Nevertheless, if an additional authentication mechanism is required, both IPCrypt Client and IPCrypt Client USB can be used to support RADIUS.



Connection Control

IPCrypt Client and IPCrypt Client USB recognizes and controls all physical and logical network adapters in the system. This is to allow encrypted and/or unencrypted network connections. This feature is activated based on the adapter and the destination address of the IP packets. For example, a connection to one's corporate network would be encrypted, while the connection to surf the Internet would be plain. Many intelligent options are readily in-place for the user, ensuring an easy operation of IPCrypt Client and IPCrypt Client USB.

IPCrypt Client & IPCrypt Client USB

Speed

The encryption technology used in IPCrypt Client USB ensures a high speed of encryption, which allows it to be easily deployed for use on LANs with a high data throughput.

Compression

IPCrypt Client and IPCrypt Client USB features a built-in mechanism that compresses IP packets. This option increases throughput when the end-user's speed to the Internet becomes the bottleneck of the connection. This is in contrast to the widely used integrated compression of WAN adapters, such as the ISDN cards, where encrypted packets cannot be compressed.

Flexible IP Addressing

The remote DHCP support feature of IPCrypt Client and IPCrypt Client USB, allows computers that receive a dynamic IP address from a dial-up service provider to participate in encrypted communication. The computer can receive its own internal IP address dynamically from the remote DHCP server of the IPCryptor. This advanced feature lets an organization use its own address pool even on remote notebooks.

Easy and Universal

IPCrypt Client automatically senses for a hardware encryption components installed on the system. Either an Elkey, a CryptCard, a CompuSec® Mobile or a CompuSec® HSM, will automatically be used for encryption if found. When no such hardware is installed, IPCrypt Client uses a software encryption.

IPCrypt Client USB's presence is sensed by the operating system. As soon as one is detected at the USB port, the installation is automatic. All the parameters required for installation will be stored within the user's preconfigured e-identity® smart card or token.

Technical Specifications

IPCrypt Client

- Windows 95, Windows 98, Windows 2000, Windows XP, Windows NT, Windows CE
- Encryption platform: Cryptcard, Elkey, CompuSec® HSM, CompuSec® Mobile or Software
- Customer replaceable cryptographic algorithm
- Unlimited number of encrypted connections
- RADIUS client support
- Uses GlobalAdmin for user and key management
- Remote DHCP Support
- IP Compression

IPCrypt Client USB

- Windows 98, Windows 2000, Windows XP
- Encryption platform: Cryptcard, Elkey, CompuSec® HSM, CompuSec® Mobile or Software
- Key Storage: e-Identity® Smart Card or USB Token
- Customer replaceable cryptographic algorithm
- Unlimited number of encrypted connections
- RADIUS client support
- Uses GlobalAdmin for user and key management
- Remote DHCP Support
- IP Compression

For more information, please visit our website

<http://www.ce-infosys.com>

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