

KryptoComputer

The e-mail service on encrypted computers that cannot be intercepted

PREVIEW

Government investigations, illegal commercial and industrial espionage bring to 28% of e-mails to be spied and read by intruders. E-mails are intercepted very easily on the Internet servers because messages are transmitted in "clear".

The E-mail service on KryptoComputer codifies e-mails so that only the sender and the recipient are able to read them.

The transmission and the reception of the e-mail is performed through an encrypted communication that makes it impossible to identify the existence or the content of the communication. **Kryptotel's email servers are encrypted and are built in a way that internal or external tampering is impossible even by Kryptotel's personnel.** All servers are strategically allocated in nations where interception is prohibited by law.

It is 100% Impossible to intercept e-mails sent and received by Krypto-Computer.

ENCRYPTED TELEPHONY

KryptoComputer is provided with a specific application that allows to perform encrypted telephone calls to other Krypto-tel fixed or mobile lines (KryptoPhone or KryptoMobile) and other KryptoComputer.

The non-traceable encrypted calls can only be performed by Kryptotel telephone lines because both the caller and the called must be able to code and decode the received and dialed call.

Every telephone/computer has a 6 digit Kryptotel network number and all Kryptotel subscribers can call each other using the corresponding numbers.

You will be able to call as much as you want with no added costs!



SOLUTION

KryptoComputer is preconfigured and delivered ready to use with OS Windows 7, hard disk and encrypted e-mail.

ENCRYPTED E-MAIL

KryptoComputer e-mail client has a multi-level encryption system, that uses an RSA 4096 bit algorithm, universally recognized as being safe and inviolable, to send and receive email and encrypted SSL protocol (256 bit), universally recognized as being inviolable, for the connection to Kryptotel's e-mail servers. All documents or attachments to the e-mails are codified the same way before being sent.

It is also possible to use the encrypted e-mail account to send clear e-mails to those who do not operate on the same system, in this case making the most of the certified privacy of Kryptotel's e-mail servers.

Kryptotel's e-mail servers are coded with 3 different encrypted algorithms (Aes 256, Serpent, Twofish) and are built in a way that it is impossible, even for Kryptotel's own personnel to internally or externally tamper with them. **No connection logs are kept and encrypted e-mails, once they are downloaded, are immediately deleted through a process that overwrites them 32 times with random data making them impossible to restore.**

ENCRYPTED HARD DISK

The hard disk is coded with 3 different encrypted algorithms (Aes 256, Serpent, Twofish) so that it can be used only with the password. No technician is able to read the data on the hard drive without the corresponding password.

When the computer is being turned on the computer will show an apposite message "Hard disk failure" simulating a problem with the hard disk. Inserting the password will boot the computer regularly.

SECURITY

All the encryption functions use algorithms that are universally recognized as being TOTALLY safe;

- The initial key exchange is done by using asymmetrical 4096 bit RSA keys and then the communication is continued by using symmetrical AES 256 keys;

- For extra security the symmetrical password of the AES 256 is changed every 120 seconds;

All servers are encrypted with 3 different levels of encryption (Aes256, Serpent, Twofish), in order to guarantee the impossibility of tampering even by Kryptotel's inside personnel;

- The servers do not record any communication information;

- It is possible to allow full verification of the complex structure by appointed third party technicians.

AVAILABLE MODELS

KryptoComputer is presented as a completely normal computer. It is based on 3 Hewlett Packard Models that Kryptotel has certified.

The following models are available:

- STANDARD;

- PROFESSIONAL;

- VIP.

KryptoComputer is a Kryptotel' service. Designed to meet the needs of email account and PC data's privacy and anonymity, it adapts to Kryptotel's brand concept: the creation of a technical infrastructure able to provide security solutions and data protection in the digital era.

Kryptotel is available to provide "full discovery" of technical infrastructure's sources and operational methodology, for all that customers who wish to have the reliability of solution certified.

www.kryptotel.net



La tua Privacy è la nostra Mission!