



KONGSBERG

EnGuard MkII VPN Client Solution

Security Solution for Stationary and Mobile PCs

EnGuard offers secure storage and communication of sensitive data. The equipment is aimed at users who require secure handling of sensitive information from their home office PC, portable PC or similar installations.



General:

EnGuard provides secure access to vital resources such as e-mail, intranet, file-servers and databases while out of office, and at the same time ensures that locally stored information is protected against theft or unauthorized access.

EnGuard offers encrypted net-access to the office network (intranet) and to networks of business partners (extranet). In addition, encryption of all sensitive information stored on the computer hard disk and encryption and signing of e-mail is offered. The equipment operates both in networks secured with EnGuard units and in networks secured by a combination of EnGuard and NX 2080 units.

Approval:

EnGuard is developed in co-operation with Norwegian security authorities (NSM) and satisfies NATO requirements for equipment used to handle NATO RESTRICTED information

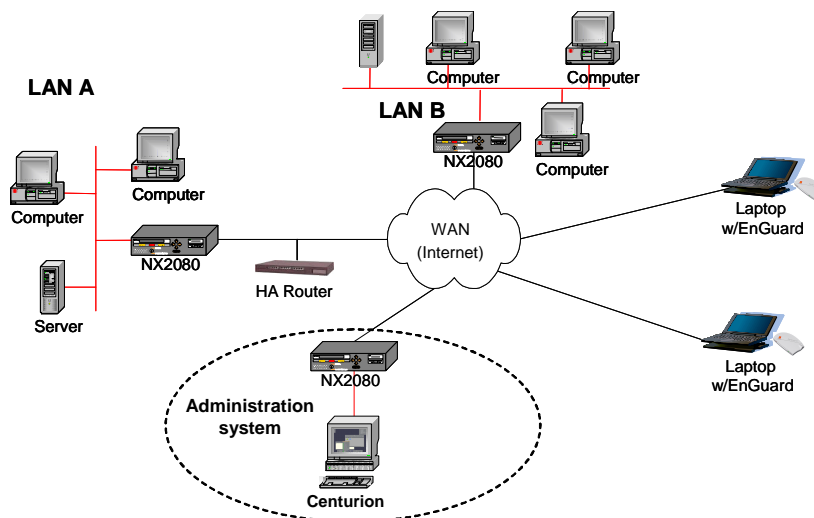
Functionality:

- Secure net access: Accesses all types of network services securely through encrypted TCP/IP-communication.
- File/folder encryption: Encryption of single files, all files of a type and complete folders.
- E-mail encryption and authentication: E-mail with or without attachments are encrypted and digital signatures are attached through the standard interface of the e-mail program.
- Secure file allocation: Files can be transparently shared on the file server, either as encrypted files, or as plain text files over an encrypted connection, or a combination of both
- Supports smartcard based log-on: Two factor authentication is supported by use of Windows smartcard based logon and pin-codes
- Multi-user: One user may use the same smartcard on multiple PCs
- Full disk encryption: Optionally disk encryption software such as Check Point Full Disk Encryption can utilize EnGuard as a smartcard reader
- Interoperable with the NX2080 VPN concentrator device

EnGuard

Platform:

- Stationary or portable PC with Windows XP/Vista operating system and USB-port
- Compatible with e-mail programs using Microsoft Windows XP/Vista encryption interface
- EnGuard can be used together with third-party disk-encryption software
- Can be used with all TCP/IP-based network connections



Administration:

- Encryption key material, profiles and rules are initially distributed on smart cards from the Centurion management system. Later on the information is distributed electronically from Centurion or locally configured
- Centurion handles key administration, key generation and distribution of keys and configuration parameters

Specifications

Technical Data

Encryption algorithm:

- AES, 256 bit key length
- NSK, 128 bit key length
- Option: Kit for implementation of national algorithm – S-box replacement or completely new block cipher

Security protocol:

- IPSec, full ESP or transport mode encryption

Capacity:

- 10 Mbit/s
- Multi-user option, one user can use several EnGuard devices

Interface:

- USB 2.0 (High Speed) for PC connection
- All TCP/IP ports on the PC will be secured

Included:

- USB based VPN client unit with necessary cables
- CD with PC client software
- User manual

Software

- Encryption functionality integrated in Windows XP/Vista environment
- User friendly logon and status window
- File/folder encryption
- E-mail encryption: Integrated with Microsoft's Outlook e-mail program
- Support for Windows smartcard based logon

Dimensions and Weight

- Size: 81x61x24mm
- Weight: 100g

This publication is not to be regarded as a complete system specification, or to be used as a contract document. We reserve the right to change the design or specifications without prior notice.

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