

## VPN Encryption

### Security Device for the encryption of data via Internet / Intranet (IP)

The applied ciphering algorithm is IDEA-128 and AES-256.

More sensitive private data, such as personal messages, business data or passwords for home banking, are inconvertible to accessible public data. In order to prevent the misuse of these data, we provide a powerful device for the encryption of data.

SEU-8420LV is a security device, which is simply configured by looping into the communications line. By using e-mail and / or Intranet applications, such as in virtual private networks (VPN), for example. Using cryptographic procedures, the data is encrypted at the sender and decrypted once again at the destination.

Enables the encryption of IP packets and the formation of so-called black lists and white lists, via which you can restrict access to certain services.

It is likewise possible to form closed user groups (CUG) on the basis of special SmartCards, so that you can stipulate access rights. This, however, has to be accompanied by having to invest in complex and expensive management procedures.

As a result of a connection speed of 10 Mbit/s and the use of the IPSec protocol. Offers rapid and secure encryption of data. The key is generated in the SmartCard by a certified true random number generator. The applied ciphering algorithm is IDEA and AES.

VPN encryption guarantees the highest security standards as a result of the key generation (RSA, 1024 bit) in a secure operating system provides secure key storage that complies with the criteria for the evaluation of the security of the system.

Protect data on the Web. Our security devices protect your personal data and information on the Internet and Intranet.



19" rack version

### Features

- IDEA-128 and AES-256
- For LAN (Ethernet access, 10 Mbit/s, IPSec)
- Plug and play (limited)

- **Authentication and session key exchange by means of RSA (Key length 1024 bit, X.509 V3 certificate)**
- **Traffic route authentication in accordance with patented procedure.**
- **Online encryption by means of IDEA-128 and AES-256 (Key length 128/256 bit, generation of key pair)**
- **RSA key pair generation in a Trust Center which complies with the highest requirements of the German Security Certificate**
- **Evaluated SmartCard according to ITSEC E4, high encryption level**
- **In evaluation / certification according to ITSEC E3, high encryption level (German Security Certificate)**
- **Local management or protected remote management after authentication.**

#### Technical specifications

Ethernet interfaces	2 x 10BaseT (10 Mbit/s, half duplex) with Western RJ-45 WE8/8 socket
PC interface	RS-232, D-Sub-9f, DIN-8
Chip card	SmartCard with TCOS-2x operating system
Online encryption	AES-256, IDEA-128
Authentication	RSA, 1024 bit
Capacity	Up to 256 tunnels independently encrypted, up to 1024 tunnels configurable
Throughput	7 Mbit/s
Mains connection	115 to 230 V AC
Power consumption	max 5 VA
Ambient temperature	+5°C to +50°C
Dimensions	a) Desk-top version: 190 x 115 x 45 mm b) Rack version: 1U, 19"

**VPN Encryption | Internet Encryption | Intranet Encryption**

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