

top multichannel security



OTPSign



EUTRON
INFOSECURITY



OTPSign

OTPSign is the new USB token realized by applying the innovatory EUTRON-VASCO hybrid technology that combines the advantages of OTP authentication with the potential offered by PKI technology.

OTPSign is a device that enables accessing the digital services quickly and safely through the telephone, mobile and Internet channels, besides allowing secure and non-repudiable transactions via USB connection; it is therefore an extremely flexible, inexpensive and simple solution. This product is ideal for all those entities and organizations that intend to offer their customers secure multichannel accesses (to corporate archives, bank data, financial services, health services, etc).

OTPSign is also the ideal token for home banking: it provides the fulfilment, longed-for by banking services in particular, which are under various informational attacks and risks ("phishing" especially), of the need for simple, effective and really secure authentication and transactions; it also meets the wish of the most important banks to offer their clients on-line top-quality services.

Supported applications

- HB-Home Banking (antiphishing)
- Intranet & Extranet authentication
- e-Business security
- e-Health security
- e-Government security
- PKI based applications
- Strong Authentication
- Digital Signature
- Secure mail
- File and disk encryption
- Repository for data and applications

Main functionalities

- One-Time-Password authentication
- Button-operated OTP generation
- OTP Encryption: Time synchronous / Time and Event synchronous
- Compatibility with the whole Digipass VASCO family
- Signature and on-board generation of the 1024/2048 bit RSA key pair
- X 509 v3 certificates and secure key storage
- PIN for private key protection
- USB memory functionalities (optional)
 - Standard Mass Storage
 - CD-ROM with autorun function
 - Encrypted Mass Storage, with AES 256 bit
 - Write-protected Mass Storage (read-only partition)

Technical specifications:

OTP section

- 8 character LCD Display
- Real time clock on board
- Battery life: 5 years minimum
- Compatibility with the Digipass VASCO family

USB PKI section

- Transfer rate of cryptographic component: up to 115Kbps
- Flash memory data reading speed: 18 MB/s
- Flash memory data writing speed: 11 MB/s
- Power supply: from USB bus (4.5V - 5.5V)

Minimum hardware requirements

- Pentium 100MHz or higher
- 1 USB 1.1 port or higher

One model for every need

ITSEC-I-64 with 64K EEPROM, RSA 2048 bit cryptography, INFINEON SLE66CX642P cryptographic chip, CardOS M4.3(b) Siemens mask – Chip and mask CC EAL 5+ certified

ITSEC-I with 32K EEPROM, RSA 1024 bit cryptography, INFINEON SLE66CX322P cryptographic chip, CardOS M4.01(a) or CardOS M4.20(b) or CardOS M4.3(b) Siemens mask – Chip and mask ITSEC E4 High certified

ITSEC-P with 32K EEPROM, RSA 1024 bit cryptography, PHILIPS P8WE5032 cryptographic chip, G&D StarCOS SPK 2.3 mask – Chip and mask ITSEC E4 High certified

OTPSign is an M2 secure device: multichannel and multipurpose

- **Multichannel**, thanks to the OTP USB hybrid technology that allows secure access from the fixed and mobile telephone network, from the Internet and via Internet through the USB token.
- **Multipurpose**, thanks to the EUTRON «all-in-one» technology which combines the OTP component with the smart card cryptography function and the smart card reader, jointly with the USB format flash memory.

Activation and setup of OTP-PKI services:

Integrating the OTP component in the existing networks is simple and easy. Any static password can be replaced instantly with the more secure OTPSign-generated dynamic password. You simply start the programming procedure.

With the existing PKI facilities, activation of the device cryptographic component is direct. The device flash memory can contain a CD-ROM partition, enabling simplified installation and configuration of the token.

OTPSign is fully interoperable with the entire Vasco Digipass product family; it works hand-in-hand with Vacman Controller or Vacman Server applications and with other 50 software programs by the main world vendors, thus allowing quick commissioning with low development costs.

