CryptoIdentity

The readerless Smart Card

www.cryptoidentity.eutron.com

CryptoIdentity is an “all-in-one” device in a UBS key, which combines both the functions of a Smart Card and its reader. CryptoIdentity has been developed for the secure storage in the memory of the user’s data (personal profiles, digital certificates, X.509).
The private key used to sign the electronic documents is kept safely and secretly by its Owner, which is responsible for it, protecting its access by means of a customisable PIN: having the CryptoIdentity hardware device and knowing its PIN are two basic elements of this authentication "double factors" procedure.
CryptoIdentity allows you to generate a couple of cryptographic keys within and apply the digital signature. It is equipped with security devices that prevent exporting and copying the private key outside the device that has generated it.

PRATICAL APPLICATIONS*

- Memorization of digital certificates
- Digital signature
- Secure mail
- File and disk encryption
- Microsoft XP and Windows 2000, Smart Card and Network Logon
- Strong Authentication: SSL3, VPN, Wireless, RAS Dialup/RADIUS
- Interoperability with PKI solutions: Entrust Baltimore, RSA, Microsoft, Cryptomathic, Novell, Thawte, VeriSign and others
- Applicative integration with PKCS#11 and MS CAPI

* For more informations about CryptoIdentity:
http://www.cryptoidentity.eutron.it http://www.cryptoidentity.eutron.com

COMMON FEATURES OF CRYPTOIDENTITY KEYS

- Standard: ISO 7816 3-4, PKCS#11 v2.11, PC/SC, Microsoft CAPI, S/MIME, IPSec/IKE, X.509 v3
- Security: SO and PIN user, on board signing and generation of cryptographic keys.
- Operating Systems: Microsoft Windows 98/ME/NT4/2000/XP
- Client applications: Netscape Communicator Suite, Microsoft Internet Explorer, Microsoft Outlook, Lotus Notes 6.0x or higher, and all other applications using supported standards.
- Interface: USB 1.1 - compatible 2.0

TECHNICAL FEATURES

- USB Spec. 1.1 - compatible 2.0
- Green LED (power on/connected)
- orange or red LED (access to data)
- Transfer rate: up to 64 Kbps
- Power supply from bus USB (4.5V - 5.5V)
- Waterproof and IEC60529 IP67

FEATURES OF CRYPTOIDENTITY5

- On board Memory: 32KB • Encryption: RSA 1024 bit • Cryptographic Chip: ATMEL AT90SC3232C
- Mask: Algorithmic Research • Operating Systems: Linux support also available.

FEATURES OF CRYPTOIDENTITY ITSEC

- On board Memory: 32KB • Encryption: RSA 1024 bit • Cryptographic Chip: Infineon SLE 66CX32xP
- Mask: Siemens CardOS M4.01(a)
- Security: ITSEC E4 high certification of Criptographic Chip and mask .

FEATURES OF CRYPTOIDENTITY 2048

- On board Memory: 64KB • Encryption: RSA 2048 bit • Cryptographic Chip: ATMEL AT90SC6464C
- Mask: Algorithmic Research • Operating Systems: Linux support also available.
- Security: Common Criteria EAL 1+ certification of Cryptographic Chip .

FC USB CE

Eutron INFOSECURITY Key Solutions for IT Security

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