DATA SHEET

SmartCase™
SmartCard

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The new SmartCase™ SmartCard is the ultimate portable security medium for secure identification and information security infrastructures.
Use the SmartCase™ SmartCard in different ways:
■ **As easy to use access key to your system and your data.**
■ **As space for valuable data such as network addresses and login information to various applications**.
The confidentiality of your data stored on the SmartCard is guaranteed, because you need either your PIN number or your fingerprint to access the data. An integrated processor controls the secure access to all stored data. Manipulate the processor destroys all content of the SmartCard.

With the Security API software the SmartCase™ SmartCard offered by Fujitsu fits perfect to Public Key Infrastructures (PKI) and PKCS#11 based applications.

Security

■ Efficient Crypto Coprocessor for secure cryptographic functions and key generation for strong encryption of data and files
■ Use it to encrypt e-mails
■ Secure operating system logon with SmartCase™ Logon+
■ Secure storage for your sensitive data like login credentials
■ Security API Software with PKCS#11 support optional available for easy integration into Microsoft Windows Operating Systems

Usability

■ Works perfectly in combination with security software products available for secure access / user authentication, encryption and secure storage of data.
■ Supported by all Fujitsu SmartCard readers / writers

Ergonomics

■ The perfect place for safe and secure storage of passwords and logon names
■ Use it for easy logon / logoff processes to your system

Reliability

■ High quality and function stability according to industry standards

SmartCase™ SmartCard

Technical features

Infineon Chip	LE66CX642P 64 KByte EEPROM Crypto Coprocessor
Standards	SO Standard 7816 (Part 3, 4, 5, 8 and 9)
Protocols	T=1 Support of extended APDUs Transaction concept for individual commands and command sequences Rapid card communication at up to 115 Kbaud, selectable in accordance with ISO 7816/3

Card Operating System CardOS

Encryption features

On-card generation of	DES keys double-length 3DES RSA keys RSA signature calculation RSA key exchange
RSA key lengths	up to 2048 bit
Hashing	SHA-1 MAC HMAC MD2 MD4 MD5 SSL3 SHAMD5

Enciphering and deciphering data

Cipher block chaining (CBC mode) 40-bit to 128-bit key length	DES or 3DES keys RC2 or RC4 keys

Internal authentication

card-to-host	DES or 3DES keys in cipher block code (CBC) mode

External authentication	host-to-card with DES or 3DES keys

Certification

Card controller	Common Criteria EAL 5+
CardOS	Common Criteria EAL 4 high

Supported Applications	SmartCase™ Logon+ SmartCase Security API with CSP and PKCS#11 SystemLock
Additional functions	Secure messaging Protection against known Security attacks
Package Contents	SmartCase™ SmartCard blank SmartCase™ SmartCard available on request