SLE 77CLFX2000PM

(M7794)

16-bit Security Controller with "SOLID FLASH™",
optimized for Contactless and Dual-Interface
Payment Applications in 90 nm CMOS Technology
200Kbytes SOLID FLASH™
6 Kbytes RAM
27 pF Chip Input Capacitance

ISO/IEC 7816 Contactbased and
ISO/IEC 14443 Type B Compliant Contactless Interfaces
Contactless Interface acc. ISO/IEC 18092 (NFC Passive Mode)
Optionally ISO/IEC 14443 Type A Contactless Interfaces

Crypto@2304T Engine
with Register Lengths of up to 2304 bits,
certified RSA and ECC Libraries

Symmetric Crypto Processor (SCP)

Short Product Overview

Revision November 2011

SOLID FLASH™

Chip Card & Security

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Information

For further information on technology, delivery terms and conditions and prices, please contact the nearest Infineon Technologies Office (**www.infineon.com**).
The term "Mifare" in this document is only used as an indicator of product compatibility to the corresponding established technology. This applies to the entire document wherever the term is used.

Warnings

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Product name	SLE 77CLFX2000PM
Featured icon	Solid Flash
Product description	Dual-interface and contactless security cryptocontroller
Interfaces	ISO 7816, ISO 14443 A/B, ISO 18092 passive mode, Mifare compatible interface, 27 pF Chip Input Capacitance
User-ROM	–
Flash	200kByte
EEPROM	–
RAM	6kByte
CPU	16-bit
Crypto coprocessor symmetrical	DES, 3DES, AES up to 256-bit
Crypto coprocessor asymmetrical	RSA up to 4096-bit, ECC up to 521-bit
Ambient temperature	-25 to +85°C
Delivery forms	contactless module, die, dual interface module
Typical applications	Basic ID, Payment, EMV DDA, ePurse, Loyalty, Access Control, Transport, Open Platform
Certifications	CC EAL4+ targeted, EMVCo targeted

If you don't find your required derivative, please contact us for further information (**www.infineon.com**).

Infineon Technologies – innovative semiconductor solutions for energy efficiency, mobility and security.