

SLE 77CLFX2407P (M7794)

16-bit Security Controller with "SOLID FLASH™",
optimized for Contactless and Dual-Interface
Payment Applications in 90 nm CMOS Technology

240 Kbytes SOLID FLASH™
6 Kbytes RAM
56 pF Chip Input Capacitance – optimized for Sub-ID1 products

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



Chip Card & Security

SLE 77CLFX2407P Short Product Overview		Ref.: SPO_SLE 77CLFX2407P 05.11
Revision History: Current Version 11.11		
Previous Releases: 05.11		
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Product name	SLE 77CLFX2407P
Featured icon	Solid Flash
Product description	Dual-interface and contactless security cryptocontroller
Interfaces	ISO 7816, ISO 14443 A/B, ISO 18092 passive mode, 56 pF Chip Input Capacitance - prepared for sub ID1 dedicated products
User-ROM	–
Flash	240kByte
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

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