

SLE 66CLX800PE (M/S)

**8/16-Bit High Security Dual Interface Controller
For Contact based and Contactless Applications
ISO/IEC 7816 and 14443 Type B & A Compliant Interfaces
Contactless interface acc. ISO/IEC 18092 passive mode
(SONY FeliCa® communication interface)**

with Linear Addressing Instruction Set For Large Memories
in 0.22 μm CMOS Technology, 240-Kbyte User ROM, 7100-byte RAM,
80-Kbyte EEPROM

1100-Bit Advanced Crypto Engine

supporting RSA and Elliptic Curve GF(p)

certified RSA 2048-bit library available

112-Bit Dual Key DES Accelerator
supporting DES, 3DES Algorithms

Short Product Overview

May 2011



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Revision History: Current Version 05.10		
Previous Releases: 05.10		
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Important: Further information is confidential and on request. Please contact:
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Product name	SLE 66CLX800PE (M/S)
Product description	Dual-interface and contactless security cryptocontroller
Interfaces	ISO 7816, ISO 14443, ISO 18092 passive mode, Mifare compatible interface
User-ROM	240kByte (236kByte)
Flash	–
EEPROM	80kByte (78kByte + 1kByte for M)
RAM	6kByte XRAM, 700Byte Crypto, 256Byte IRAM
CPU	8-bit/16-bit
Symmetrical Cryptography	3DES
Asymmetrical Cryptography	RSA up to 2048-bit, ECC up to 521-bit
Ambient temperature	-25 to +70°C
Delivery forms	Module M8.4, contactless module MCC8, die, bumped wafer
Typical applications	Payment, EMV DDA, ePurse, Loyalty, Access Control, Digital Signature, ePassport, Open Platform, Transport, Dual SIM
Certifications	CC EAL5+ high, EMVCo

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