

SLE 66CL80PE (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
92-Kbyte User ROM, 2304-byte RAM,
8-Kbyte EEPROM

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

Short Product Overview

May 2011

Chip Card & Security

SLE 66CL80PE (M/S) Short Product Overview		Ref.: Chip_Card_Product_Overview_11/09
Revision History: Current Version 05.11		
Previous Releases: 05.10		
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Important: Further information is confidential and on request. Please contact:
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Edition 2010

**Published by Infineon Technologies AG,
Chip Card & Security
81726 Munich, Germany**

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Product name	SLE 66CL80PE (M/S) ¹⁾
Product description	Dual-interface and contactless security controller
Interfaces	ISO 7816, ISO 14443, ISO 18092 passive mode, Mifare compatible interface
User-ROM	92kByte (88kByte)
Flash	–
EEPROM	8kByte (+ 1kByte for M)
RAM	2kByte XRAM, 256Byte IRAM
CPU	8-bit/16-bit
Symmetrical Cryptography	3DES
Asymmetrical Cryptography	–
Ambient temperature	-25 to +70°C
Delivery forms	Module M8.4, die, bumped wafer
Typical applications	Payment, EMV SDA, ePurse, Loyalty, Access Control, Driver Licence, Transport
Certifications	CC EAL5+ high, EMVCo

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