

# SLE 66CL81PE (M)

**8/16-Bit High Security Contactless Controller  
For Contactless Applications**

**ISO/IEC 14443 Type B & A Compliant Interfaces**

with Linear Addressing Instruction Set For Large Memories  
in 0.22  $\mu\text{m}$  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

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**Chip Card & Security**



<b>SLE 66CL81PE (M/S) Short Product Overview</b>		Ref.: Chip_Card_Product_Overview_11/09
<b>Revision History: Current Version 05.11</b>		
Previous Releases: <b>05.10</b>		
Page		

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Product name	SLE 66CL81PE (M) <sup>1)</sup>
Product description	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	Contactless module MCC8,die, bumped wafer
Typical applications	Payment, EMV SDA, ePurse, Loyalty, Access Control, Driver Licence, Transport
Certifications	CC EAL5+ high, EMVCo

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