

# SLE 66CX680PE

8/16-Bit Security Controller  
with enhanced instruction set for large memories  
in 0.22  $\mu\text{m}$  CMOS Technology

244-Kbytes ROM, 6 Kbytes RAM, 68-Kbytes EEPROM  
1100-Bit Advanced Crypto Engine  
certified RSA 2048-bit library available  
Dual Key Triple DES

## Short Product Overview

May 2011

Chip Card & Security



<b>SLE 66CX680PE 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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#### **Edition 2010**

**Published by Infineon Technologies AG,  
Chip Card & Security  
81726 Munich, Germany  
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Product name	SLE 66CX680PE Secure $\mu$ Slim EEPROM
Product description	Security cryptocontroller
Interfaces	ISO 7816
User-ROM	244kByte
Flash	–
EEPROM	68kByte
RAM	6,144Byte + 700Byte crypto
CPU	8-bit/16-bit
Symmetrical Cryptography	3DES
Asymmetrical Cryptography	RSA up to 2048-bit, ECC up to 521-bit
Ambient temperature	-25 to +85°C
Delivery forms	Module M5.1, MFC5.x, DSO-8, VQFN-8, die
Typical applications	Payment, EMV DDA, ePurse, Loyalty, Access Contol, Health/ Social Security, Digital Signature, ID-Card, Pay-TV, GSM, UICC
Certifications	CC EAL5+ high, EMVCo

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