

# 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



<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		

**Important:** Further information is confidential and on request. Please contact:  
Infineon Technologies AG in Munich, Germany,  
Chip Card & Security  
E-Mail: [security.chipcard.ics@infineon.com](mailto:security.chipcard.ics@infineon.com)

#### **Edition 2010**

**Published by Infineon Technologies AG,  
Chip Card & Security  
81726 Munich, Germany  
© Infineon Technologies AG 2011  
All Rights Reserved.**

#### **Legal Disclaimer**

The information given in this document shall in no event be regarded as a guarantee of conditions or characteristics. With respect to any examples or hints given herein, any typical values stated herein and/or any information regarding the application of the device, Infineon Technologies hereby disclaims any and all warranties and liabilities of any kind, including without limitation, warranties of non-infringement of intellectual property rights of any third party

#### **Information**

For further information on technology, delivery terms and conditions and prices please contact your nearest Infineon Technologies Office ([www.infineon.com](http://www.infineon.com)).

#### **Warnings**

Due to technical requirements components may contain dangerous substances. For information on the types in question please contact your nearest Infineon Technologies Office.

Infineon Technologies components may only be used in life-support devices or systems with the express written approval of Infineon Technologies, if a failure of such components can reasonably be expected to cause the failure of that life-support device or system, or to affect the safety or effectiveness of that device or system. Life support devices or systems are intended to be implanted in the human body, or to support and/or maintain and sustain and/or protect human life. If they fail, it is reasonable to assume that the health of the user or other persons may be endangered.

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

For further information on technology, delivery forms and conditions please contact your nearest Infineon Technologies sales representative ([www.infineon.com](http://www.infineon.com)).

[www.infineon.com](http://www.infineon.com)

Published by Infineon Technologies AG