

# SLE 66C86PE

8/16-Bit Security Controller  
in 0.22  $\mu\text{m}$  CMOS Technology

68-Kbytes ROM, 2304 Bytes RAM, 8-Kbytes EEPROM  
Dual Key Triple DES

## Short Product Overview

May 2011

Chip Card & Security



<b>SLE 66C86PE 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 2010  
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 66C86PE Secure $\mu$ Slim EEPROM
Product description	Security controller
Interfaces	ISO 7816
User-ROM	68kByte
Flash	–
EEPROM	8kByte
RAM	2kByte
CPU	8-bit/16-bit
Symmetrical Cryptography	3DES
Asymmetrical Cryptography	–
Ambient temperature	-25 to +85°C
Delivery forms	Module M5,1, MFC5.x, DSO-8, VQFN-8, die
Typical applications	Payment, EMV SDA, Loyalty, Access Control, Health/ Social Security
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

Published by Infineon Technologies AG