

# SLE 77CLFX2400P(M)

SOLID FLASH™ 16-bit Security Controller  
Optimized for Contactless and Dual-Interface  
Payment Applications in 90 nm CMOS Technology

240 kBytes SOLID FLASH™  
6 kBytes RAM

## Short Product Overview

Oct. 2012



**Edition 2012-10**

**Published by  
Infineon Technologies AG  
81726 Munich, Germany**

**© 2012 Infineon Technologies AG  
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 the nearest Infineon Technologies Office ([www.infineon.com](http://www.infineon.com)).


SOLID FLASH™: Infineon trademark which stands for security controller using dedicated Flash/EEPROM technologies.

The term "Mifare" in this document is only used as an indicator of product compatibility to the corresponding established technology. This applies to the entire document wherever the term is used.

**Warnings**

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

Infineon Technologies components may be used in life-support devices or systems only 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 77CLFX2400P(M) 1  SOLID FLASH™
Product description	Dual-interface and contactless security controller
Interfaces	ISO 7816, ISO 14443 A/B, ISO 18092 passive mode, Mifare compatible interface, prepared for Sub-ID1 dedicated products
Memory	240 kBytes SOLID FLASH™ + 6 kBytes RAM
CPU	16-bit
Symmetrical cryptography	DES, 3DES, AES up to 256-bit
Asymmetrical cryptography	RSA up to 4096-bit, ECC up to 521-bit
Ambient temperature	-25 to + 85 °C
Delivery forms	contactless module, dual interface module
Typical applications	EMV DDA, EMV CDA, ePurse, Loyalty, Global Platform / Java
Certification level	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)).

<sup>1</sup> SOLID FLASH™: Infineon trademark which stands for security controller using dedicated Flash/EEPROM technologies.

Infineon Technologies – innovative semiconductor solutions for energy efficiency, mobility and security.

