

SLE 77CFX1840P

(M7793)



16-bit Flash Security Controller Optimized
for Midrange Payment Applications
in 90 nm CMOS Technology

184 KBytes SOLID FLASH™
6 KBytes RAM

Crypto@2304T Engine
with Register Lengths of up to 2304 Bits, Certified RSA and ECC Libraries
Symmetric Crypto Processor (SCP)
Triple-Key-Triple-DES and AES Acceleration

Short Product Overview

September 2011

Chip Card & Security



SLE 77CFX1840P Short Product Overview	Ref.: Chip_Card_Product_Overview_11/09
Revision History: Current Version 09.11	
Previous Releases: 05.11	
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

Edition 2011-08-01

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

**© 2011 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).

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 77CFX1840P (M7793) 
Product description	Security cryptocontroller
Interfaces	ISO 7816
User-ROM	–
Flash	184kByte
EEPROM	–
RAM	6kByte
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	Module M4.8, FCOS MFC6.6, FCOS MFC6.8, bare die
Typical applications	Payment, EMV DDA, Loyalty
Certifications	EMVCo and CC EAL4+ high targeted

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

www.infineon.com

Published by Infineon Technologies AG