

SLE 78CLFX2400P(M)

SOLID FLASH™ 16-bit Security Controller
with “Integrity Guard”

Optimized for Contactless and Dual-Interface Payment
Applications in 90 nm CMOS Technology

240 kBytes SOLID FLASH™
8 kBytes RAM

Short Product Overview

May 2013



INTEGRITY GUARD



SOLID FLASH™

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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.

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Product name	SLE 78CLFX2400P(M) 1  SOLID FLASH™  INTEGRITY GUARD
Product description	Dual-interface and contactless security controller
Interfaces	ISO 7816, ISO 14443 A/B, ISO 18092 passive mode, optional Mifare compatible interface
Memory	240 kBytes SOLID FLASH™ + 8 kBytes RAM
CPU	Dual 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	National eID, ePassport, eHealth card / eSocial card, eDriver's License, eVisa, eResidence Permit, eTachograph, eVehicle Registration Card / eCar Registration, eSignature
Certification level	CC EAL6+ high / EMVCo

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