



CIPURSE™4move

SLS 32TLC00xS(M)¹

Description

CIPURSE4move is featuring the CIPURSE™S profile and is compliant to the OSPT™ Alliance CIPURSE™V2 specification. The Open Standard CIPURSE™V2 provides interoperability and easy integration of CIPURSE™V2 compliant products. The CIPURSE™4move incorporates the CIPURSE™V2 security architecture and is compliant to the CIPURSE™V2 cryptographic protocol specification using AES-128, augmented by a combination of hardware and software security measures. Commands and transmitted data can be secured using the CIPURSE™V2 cryptographic protocol which is inherently resistant against physical attacks like DPA and DFA. A typical CIPURSE™ secured transaction will take less than 100 ms. The CIPURSE™4move targets multi-applications and is available with 1 kByte, 2 kByte or 4 kByte user memory for application data storage of up to 8 custom applications (ADF - Application Dedicated File). On top, 1 kByte or 4 kByte NRG™ (ISO/IEC 14443-3 type A with CRYPTO1) emulation for legacy systems and NFC Forum Type 4 Tag operation for NFC applications can be supported.

Features

- Compliant to CIPURSE™S Profile Specification Revision 2.0
 - Up to 8 applications (ADF) configurable
 - 4 PxSE ADF configurable
- 1 kByte, 2 kByte or 4 kByte user memory for application data storage
- Optional support of 1 kByte or 4 kByte NRG™ (ISO/IEC 14443-3 type A with CRYPTO1) emulation
- NFC Forum Type 4 Tag configurable
- Contactless interface ISO/IEC 14443 Type A
- CC EAL 5+ (high)

Applications

- Weekly or seasonal cards for Automatic Fare Collection (AFC)
- Event ticketing
- Access Control
- Micropayment

¹ SLS 32TLC00xS(M) refers to SLS 32TLC001S(M), SLS 32TLC002S(M) and SLS 32TLC004S(M).

Parametrics

Product name	CIPURSE™4move - SLS 32TLC00xS(M)
Product description	Contactless Security Controller featuring the CIPURSE™S profile and compliant to the OSPT™ Alliance CIPURSE™V2 specification
Interfaces	ISO/IEC 14443 Type A, optional 1kByte or 4kByte NRG™ (ISO/IEC 14443-3 type A with CRYPTO1) interface
Memory	1 kByte, 2 kByte or 4 kByte user memory for application data storage
CPU	16-bit
Symmetrical cryptography	Mutual authentication and secure messaging using AES-128
Ambient temperature	Operating temperature range: -25°C to +85°C Storage temperature range: -25°C to +125°C
System features	CIPURSE™S Profile compliant Security Controller Secured communication using AES 128 and session key derivation 8 applications (ADF) configurable CIPURSE™ certified
Delivery forms	Sawn wafer 75 µm, 150 µm NiAu bump 20 µm MCC8-2-6
Typical applications	Weekly or seasonal cards for Automatic Fare Collection (AFC) Event ticketing, Access Control, Micropayment
Certification level	CC EAL5+ high Robust protection against potential security attacks CIPURSE™V2 certified NFC Tag device Type 4A Tag certified

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

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