SLM 10TLC002L
Short Product Overview

CIPURSE™move
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Description

The CIPURSE™move is a dedicated contactless security product for cost optimized tickets in transport ticketing applications. It is featuring the CIPURSE™L 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™move incorporates the CIPURSE™V2 security architecture and is compliant to the CIPURSE™V2 cryptographic protocol specification using AES-128. 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™move targets single application and provides 304 Byte of user memory for application data storage. It can be used for a variety of applications such as Limited Use Ticket (LUT), Limited Use Card (LUC), single ride ticket, identification card for access control and loyalty or token for micropayment.
On top, NFC applications compliant to NFC Forum Type 4 Tag Technical Specification can be supported.
Therefore, the CIPURSE™move is the ideal product to support migration from existing none security or NRG (ISO/IEC 14443-3 type A with CRYPTO1) legacy systems towards a more advanced and state-of-the-art security architecture like CIPURSE™.

Features

- Compliant to CIPURSE™L Profile Specification Revision 2.0
  - 1 applications (ADF) configurable
  - 1 PxSE ADF configurable
- 304 Byte (2.4 kbit) user memory for application data storage
- NFC Forum Type 4 Tag configurable
- ISO/IEC 14443 Type A
- CIPURSE™ certified

Applications

- Cost-optimized limited use tickets for Automatic Fare Collection (AFC)
- Event ticketing
- Access Control
- Micropayment

Parametrics

Product name	CIPURSE™move - SLM 10TLC002L
Product description	Contactless Security Controller featuring the CIPURSE™L profile and compliant to the OSPT™ Alliance CIPURSE™V2 specification
Interfaces	ISO/IEC 14443 Type A
Memory	304 (2.4 kbit) Byte user memory for application data storage
Symmetrical cryptography	Mutual authentication using AES 128
Ambient temperature	Operating temperature range: -25°C to +70°C Storage temperature range: -40°C to +125°C
System features	CIPURSE™L Profile compliant Secured communication using AES 128 and session key derivation 1 applications (ADF) configurable
Delivery forms	Sawn wafer 75 µm NiAu bump 20 µm MCC8-2-6
Typical applications	Cost-optimized Limited use tickets for Automatic Fare Collection (AFC) Event ticketing, Access Control, Micropayment
Certification level	Robust protection against potential security attacks CIPURSE™ V2 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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