

SLE 78CLX1440P

16-bit Security Controller with “Integrity Guard”
Optimized for Contactless and Dual-Interface Payment and
Identification Applications in 0.13 μm CMOS Technology

144 kBytes EEPROM
280 kBytes ROM
8 kBytes RAM

Short Product Overview

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Product name	SLE 78CLX1440P  INTEGRITY GUARD
Product description	Dual-interface and contactless security controller
Interfaces	ISO 7816, ISO 14443 A/B, ISO 18092 passive mode, Mifare compatible interface
Memory	280 kBytes User-ROM + 144 kBytes EEPROM + 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, eVehicle Registration Card/eCar Registration, eSignature
Certification level	CC EAL5+ High / EMVCo

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