MICROCOSM

A40CR Smart Card

Overview

A Java Card (FTJCOS) smart card supporting both contact and contactless (NFC) communications. Supported by all CCID compliant readers.

The FTJCOS Java Card conforms to the strict standards of the Global Platform ISO industry standard, ensuring seamless interoperability of applications.

Specification

Chip & Certifications	
Chip Make & Model	Infineon SLE77CLFX2400PM
Chip Certification	CC EAL5+, EMVCo
FTJCOS Certification	FIPS 140-2 Level 3
Storage	
NVM Type	Flash (SOLID FLASH™)
Total NVM Size	240K
Total RAM Size	6K
Code Area	Flash
User NVM Size	68K
User RAM Size	1.6K
Algorithms	
RSA 2048	✔
AES	✔
SHA-1	✔

SHA-256	✔
SHA-384	Optional
SHA-512	Optional
MD5	✔
3DES (ECB, CBC)	✔
ECC	Optional
Standards Compliance	
Java CardTM 2.2.2	✔
Global Platform 2.1.1	✔
Communication Protocols	
ISO 7816 T=0	✔
ISO 7816 T=1	Optional
ISO 14443 T=CL Type A	✔
ISO 14443 T=CL Type B	✔
Mifare	✔
JCRE Features	
APDU Buffer Size	261 bytes
Transaction Size	384 bytes
Extended APDU	✔
RMI	×
Logical Channels	20
Garbage Collector	✔
Applet Deletion	✔