

# Java Smart Cards

## Models & Specification

### A22CR Java Smart Card



### A40CR Java Smart Card



#### Chip & Certifications

Chip Make & Model	Infineon SLE78CLFX4000PM	Infineon SLE77CLFX2400PM
Chip Certification	CC EAL6+, EMVCo	CC EAL5+, EMVCo
FTJCOS Certification	FIPS 140-2 Level 3	CC EAL 5+

#### Storage

NVM Type	Flash (SOLID FLASH™)	Flash (SOLID FLASH™)
Total NVM Size	400K	240K
Total RAM Size	8K	6K
Code Area	Flash	Flash
User NVM Size	138.5K	72.8K
User RAM Size	1.84K	1.72K

#### Algorithms

RSA 2048	✓	✓
AES	✓	✓
SHA-1	✓	✓
SHA-256	✓	✓
SHA-384	✓	Optional
SHA-512	✓	Optional
MD5	✓	✓
3DES (ECB, CBC)	✓	✓
ECC	✓	Optional

#### Standards Compliance

Java Card™ 2.2.2	✓	✓
Java Card™ 3.0.4	✓	✓
Global Platform 2.1.1	✓	✓
Global Platform 2.2.*	Optional	Optional

#### 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	261 bytes
Transaction Size	512 bytes	384 bytes
Extended APDU	✓	✓
RMI	✓	✗
Logical Channels	20	1
Garbage Collector	✓	✓
Applet Deletion	✓	✓