

# Smart Cards

## Models & Specification

### A22CR



### A40CR



#### Chip & Certifications

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

#### 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	154K	68K
User RAM Size	2.7K	1.6K

#### Algorithms

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

#### Standards Compliance

Java Card™ 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	✓	✓
<b>JCRE Features</b>		
APDU Buffer Size	261 bytes	261 bytes
Transaction Size	512 bytes	384 bytes
Extended APDU	✓	✓
RMI	✓	✗
Logical Channels	20	20
Garbage Collector	✓	✓
Applet Deletion	✓	✓