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)	✔	✔

	A22CR Java Smart Card	A40CR Java Smart Card
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	✔	✔

© 2025 Microcosm Ltd.