

# HYPERSC™

## HYS-COS A40CR SMART CARD

HYS-COS-A40CR DATASHEET

### OVERVIEW

- GlobalPlatform and Java Card spec compliant Java Card
- EAL 5+ and EMV certified 16-bit smart card chip
- Traditional card design allows for custom designs and photo ID
- ISO/IEC 14443 Type A/B and Mifare contactless interface
- Java Card Developer's Kit and PKI-enabled applet available upon request



**Dimensions:** Standard ISO 7810

### OPERATING INFO

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##### Supported OS

- Windows XP/Vista/7/8/8.1 x64/x86
- Windows Server 2003/2008 x64/x86
- Linux x64/x86
- Mac OS X
- Android
- iOS

##### Storage Temperatures

- -10°C - 60°C

##### Operating Temperatures

- 0°C - 50°C

##### Humidity

- < 90% RH

# SPECIFICATIONS

## PHYSICAL PARAMETERS

### Physical Storage

- NVM type: Flash (solid flash)
- Code area: Flash
- Total NVM size: 240K
- Total RAM size: 6K
- User NVM size: 68k
- User RAM size: 1.6k

### CPU

- 16 bit

### Chip Model

- SLE77CLFX2400PM

### Chip Operating System

- FT-JavaCOS
- FIPS 140-2 Level 3
- CC EAL 5+

### JCRFE Features

- APDU buffer size: 262 bytes
- Transaction size: 384 bytes
- Extended APDU
- Logical channels: 20
- Garbage collector
- Applet detection
- Speed: high

## CRYPTOGRAPHIC ALGORITHMS

- RSA 2048, AES, MD5, SHA-1, SHA-256, 3DES (ECB, CBC)

## STANDARDS

### Communication Protocol

- ISO 7816 T=0
- ISO 14443 T=CL Type A & Type B
- Mifare

### Chip Certification

- CC ELA 5+, EMVCo
- Compatible with ISO 7816

### Standard Compliance

- Java Card™ 2.2.2
- GlobalPlatform 2.1.1
- Supplementary Security Domain