ACOSJ-V

EMV Payment Card Solution - Visa Card Product
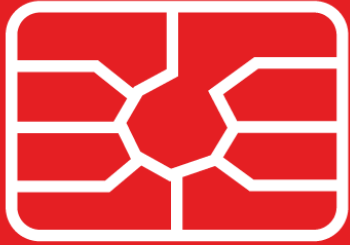
Advanced Card Systems Ltd.
Card & Reader Technologies

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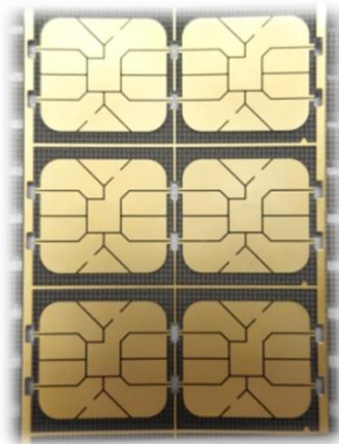4. Product Applications

Product Overview

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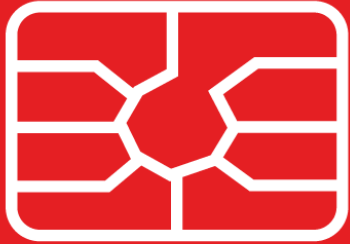
ACOSJ-V Card Operating System

ACOSJ-V is an advanced EMV payment card solution for financial institutions. It has been approved for Visa Credit, Debit and Prepaid usage supporting all VSDC 2.8.1G functionalities. It offers contact, contactless, and dual-interface options in both card and module form factors.

Module

Full-sized Card

Product Features

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Key Features of ACOSJ-V

Certifications and Compliance

- EMV Contact Level1 Specification
- Visa Integrated Circuit Card Specification
- EMV Contactless Level1 Specification
- Visa Contactless Payment Specification
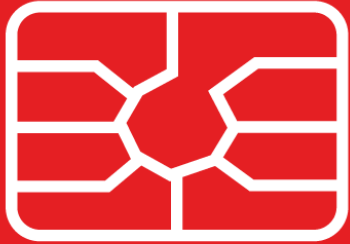- Prepaid Specification

Application Functions

- Visa Smart Debit/ Credit
- Magnetic Stripe Data
- Quick Visa Smart Debit/ Credit

Cryptographic Capabilities

- AES
- DES/3DES
- RSA (768 to 2048 bits)
- SHA-1/ SHA-2

Speed and Memory

- 60KB EEPROM for Application Data
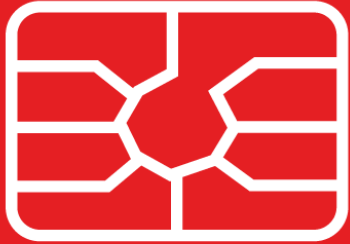- High Speed Transmission
- Anti-tearing Function

Technical Specifications

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Technical Specifications

Smart Card Features	
Interface	Combi/ Contact/ Contactless
Communication Speed (kbps)	9.6 - 600 (Contact) 106 – 848 (Contactless)
EEPROM (KB)	60
Cryptographic Capabilities	
AES	✓
DES/3DES	✓
RSA	768 to 2048 bits
SHA1/SHA2	✓
Certifications/Compliance	
Java Card Classic	v3.0.4
Global Platform	v2.2.1
Mapping Guidelines	v1.0.1
VIS	V1.5.4b
VCPS	V2.1.3b
Visa Prepaid	V1.1.3a
ISO 7816 – 1/2/3/4 T=0/T=1	T=0 Only
ISO 14443 – Type A/B	Type A Only
CC EAL5+ (chip level)	✓

Product Applications

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- E-Banking and E-Payment

Retail

Transport

Thank You!

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