



ACOSJ-V

EMV Payment Card
Solution – VISA Card
Product



Advanced Card Systems Ltd.

Card & Reader Technologies

Outline

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Product Overview



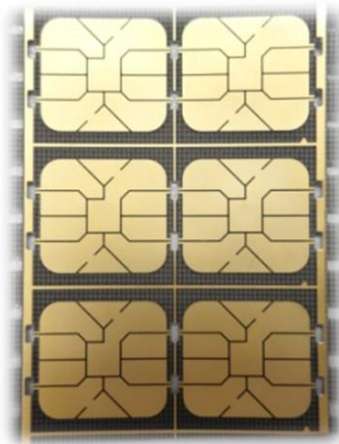
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Product Overview

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

RSA	768 to 2048 bits
AES	128/192/256-bits
DES/3DES	56/112/168-bits
HASH	SHA1,SHA224,SHA256,SHA384, SHA512

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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In what areas can we apply ACOSJ-V?



RETAIL

TRANSPORTATION



e-Payment



e-Banking





Thank You!



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