Advantis Contactless

Contactless Transport

Freedom of Choice

Redsys

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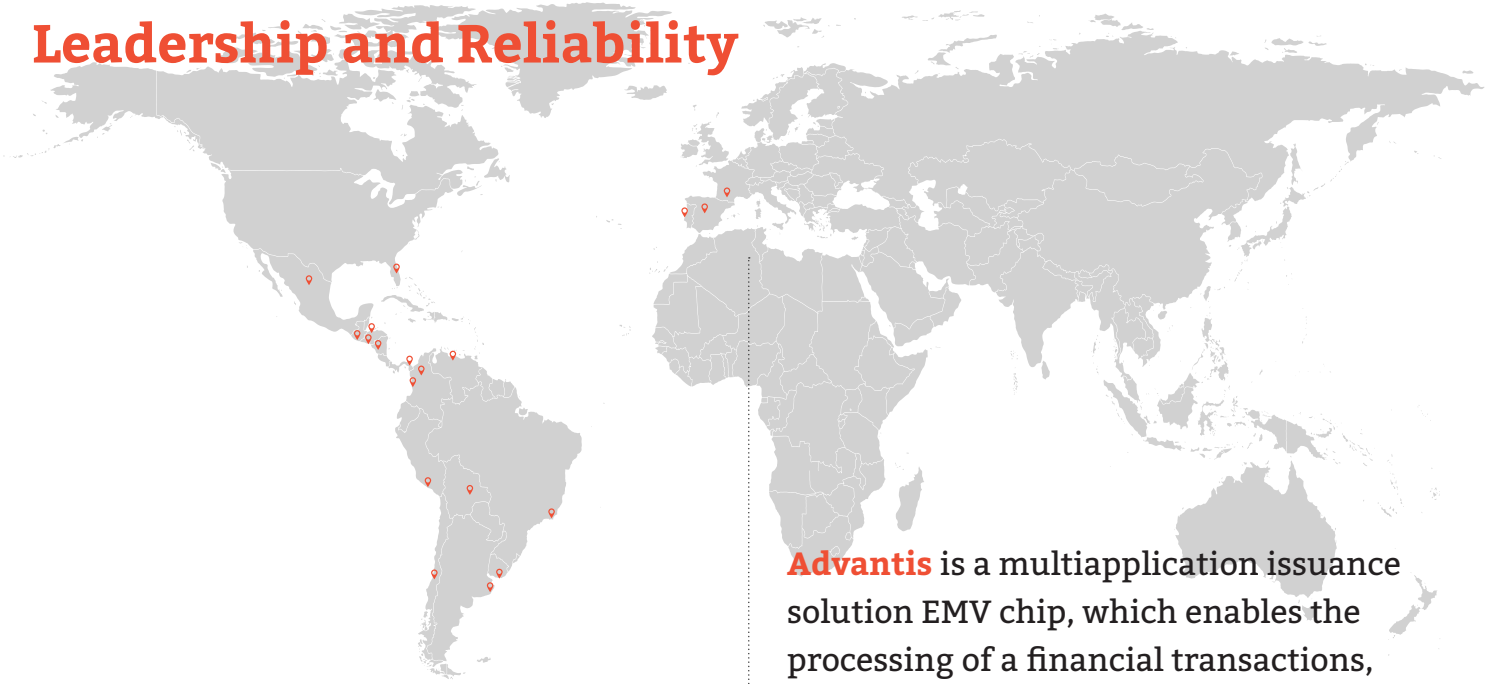
Advantis

"1.000 million cards issued in the world have the Advantis technology, with a strong presence in America and Europe"

Leadership and Reliability



"There has never been a single security or operative incident since it began in the 1990s"

Advantis is a multiapplication issuance solution EMV chip, which enables the processing of a financial transactions, through different smart devices

The family of **Advantis Contactless** products provides a high level of service in environments where speed and security are key factors.

The new **Advantis Contactless Transport** includes the Mifare transport application which provides speed and security in transactions.

@
PAY
VISA
MasterCard

Advantages

"Advantis Contactless Transport allows different configurations to suit customer and market requirements"

Freedom of Choice

"Advantis Contactless Transport is an open platform available for different card manufacturers and personalizers, providing a more choice and a more competitive offer"

MULTI-PROFILE

Cards with the Advantis Contactless Transport operating system can be configured with different profiles defined for the cardholder by the issuer. Some profile parameters may be modified after the issuing date, enabling issuers to react to new risk factors without the expense of issuing a new card.

MULTI-APPLICATION

The Advantis Contactless Transport operating system provides financial institutions with a single technological platform that is independent of the financial application (credit/debit) to be used, and of the non-financial applications that add value to the card.

MULTI-PROVIDER

The Advantis Contactless Transport operating system is compatible with numerous card manufacturers and personalizers, which mean card issuers are free to choose from a wider range of suppliers.

SUPPORT

Advantis Contactless Transport provides technical support throughout the lifecycle of the card. This includes: profile definition, brand certifications, update to the latest versions and responds to any incident.

Username
Password

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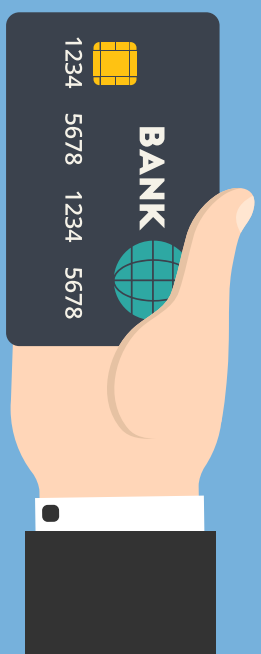
APPROVED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BANK

Applications

"Advantis Contactless Transport incorporates payment application for Visa"

Financial and Non-financial applications

"Advantis Contactless Transport, as well as of being a payment system, incorporates also other non-financial applications such as transport application and access control"

Financial applications

- EMV debit/credit
  - VIS to Visa

Non-financial applications

- Storage, viewing and retrieval of data
  - Medical, labour and administrative histories
  - Consulting notes and files
- OTP applications
- Points inventary and follow up
  - Loyalty programmes
- Physical access control
- Logical access control
  - Restricted access to Windows
  - Networks (LAN, VPN, etc.)
  - "Single sign-on"
- MiFare Transport Application

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Support

"Advantis Contactless Transport participates in EMV specification development, which allows us to offer a superior level of support"

Technical support throughout the value chain

"Advantis Contactless Transport is present throughout the value chain of the card providing support to suppliers and customers"

TECHNICAL SUPPORT / CONSULTING

SMART CARD

SOFTWARE

- *On Card*: Advantis OS
- Financial and Non-financial applications
- Internet *plug-ins*
- Service support modules
- Development and simulations tools
- *Software* and specifications for terminals
- System integration

PRE-PERSONALIZATION

- Specifications for pre.personalization
- Pre-personalization key delivery

PERSONALIZATION

- Specifications for personalization
- Personalization file with validation data
- Models of profiles for different Visa debit /credit applications
- EMV personalization file generation tool
- Personalization key delivery
- Support to adapt the personalization systems

POST-PERSONALIZATION

- Explorer Advantis: It allows you to view internal data in the card
- Validator Advantis: It allows you to verify if the data entered on the card are correct

Specifications

Technical Specifications

TECHNICAL SPECIFICATIONS	
Operating System	Advantis Contactless Transport
Flash	4 kbytes
EMV APPLICATION	
Specifications	EMV 4.3
Visa	VIS 1.5.4
Contactless Visa	VCPS 2.1.2
Certification Visa	until 20/12/2023
Authenticación "off-line"	DDA/CDA
Fast DDA/CDA	YES
Parametrizable EMV application	YES
MULTI-APPLICATION	
MIFARE Classic	YES
OTP applications	YES
Data storage	YES (Loyalty, healthy,univesity, access control)
User memory (NVM) available for other applications	YES
CARD FEATURES	
Visa Security Review	YES
Communication protocol	T=0
Contactless protocol	A
Financial PIN	Clear text/encryption
ISO 7816-3	YES
CRYPTOGRAPHIC FEATURES	
3DES security	YES
Authentication of external application	YES
Restricted access to internal data	Configurable to needs
Compatible with PC/SC 1.0	YES
Compatible with Windows	XP/Vista/W7
CHIP FEATURES	
Chip	SLE77CLFX2400PM/SM70V Full antenna
Chip	SLE77CLFX2407PM/SM82V Half Antenna
Chip	SLE77CLFX240APM/SM83V2 COM Antenna
Chip manufacturer	Infineon

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