



PowerEMV is the central issuance solution for personalising multiapplication EMV cards.

PowerEMV is designed to work with any card management system to migrate from magnetic stripe cards to multiapplication EMV cards.

The design philosophy is to provide a system that can work with any Native EMV card or Multiapplication MULTOS or Open Platform Java card, running on all leading embossers and printers.

It is designed to work seamlessly with Thales P3 Family to issue all kinds of Visa, Mastercard, JCB, Amex or Diners EMV card with loyalty or e-purse multiple applications in one pass.

key features

- ▶ Central Issuance of EMV cards
- ▶ Key Generation and Management
- ▶ Certificate Management
- ▶ EMV Application Designer
- ▶ EMV Personalisation Data Generation
- ▶ Single or Multiple Chip Encoding
- ▶ Embossing and Magnetic Stripe Encoding
- ▶ SDA / DDA Applications
- ▶ PIN injection from encrypted PIN blocks (to be supplied by the bank)
- ▶ EMV + Loyalty in One Pass
- ▶ MS SQL Server or Oracle RDBMS
- ▶ Native, Multos or Java Cards
- ▶ Smartcard based User Access Control
- ▶ Crypto with Thales P3CM200 HSM
- ▶ Inline or Offline quality control system

with Thales P3



EMV made simple

Thales P3 can generate any kind of SDA or DDA based EMV card personalisation data for all major card schemes like Mastercard and Visa.

PowerEMV can take your existing personalisation data file, convert it and feed it into P3 and then put this data on EMV cards on a chip enabled embosser.



...very fast and easy.

PowerEMV does not stop at EMV. In one pass, it can also put loyalty and/or e-purse multiapplications along with the primary EMV debtor credit application.

This capability is critical when launching your new EMV card where customer expectation with advanced chip cards is more than ordinary magnetic stripe cards. You must make best use of your investment in chip cards with more bang for your money.



Performance is an important factor. Multihead embossers can be driven with PowerEMV for parallel programming up to 10 heads to speed up the throughput of multiapplication cards which may require more programming time due bigger application and data loading.

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