

Postilion EMV Gateway

The low-cost solution for EMV smart card compliance

EMV enable your system

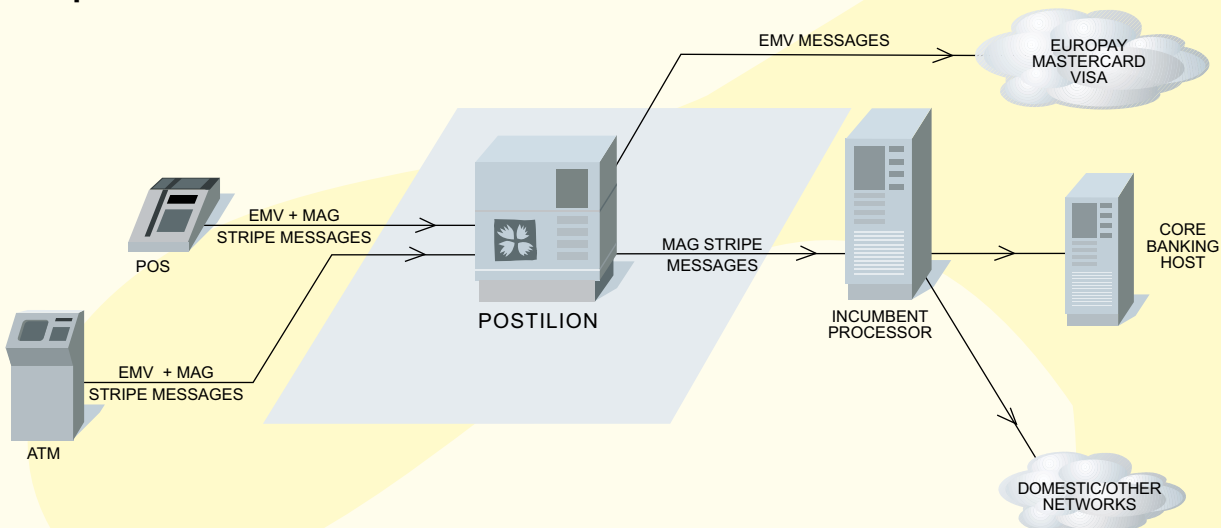
Postilion EMV Gateway offers you a fast track to EMV smart card compliance

Product Overview

Jointly developed by Europay (E), MasterCard (M) and Visa (V), EMV is an agreed specification for the interoperability of smart cards and terminals equipped with smart card readers for debit and credit schemes, regardless of the card manufacturer, the issuing institution, or location of the EMV terminal. The main driver behind the adoption of EMV is the reduction of fraud and greater security for offline processing of transactions.

Many organizations, enhancing or replacing their current systems, may consider becoming EMV compliant to be too expensive and time-consuming. Precisely for customers such as these, Mosaic Software has developed a low-cost, fast-track solution for EMV – Postilion EMV Gateway. Essentially, Postilion EMV Gateway processes EMV transactions on behalf of an organization's existing system. The bulk of transaction traffic continues to be routed to the incumbent system – with the EMV transactions being intercepted and processed by Postilion EMV Gateway. Only traditional magnetic-stripe messages are forwarded to the incumbent system. EMV transactions are switched by Postilion EMV Gateway directly to the appropriate networks.

Acquirer solution



Business case for acquirers

The EMV benefits for acquirers include reduced authorization expenses, fewer transaction disputes, lower processing costs, and the acquisition of new merchant accounts that were previously considered too high a risk.

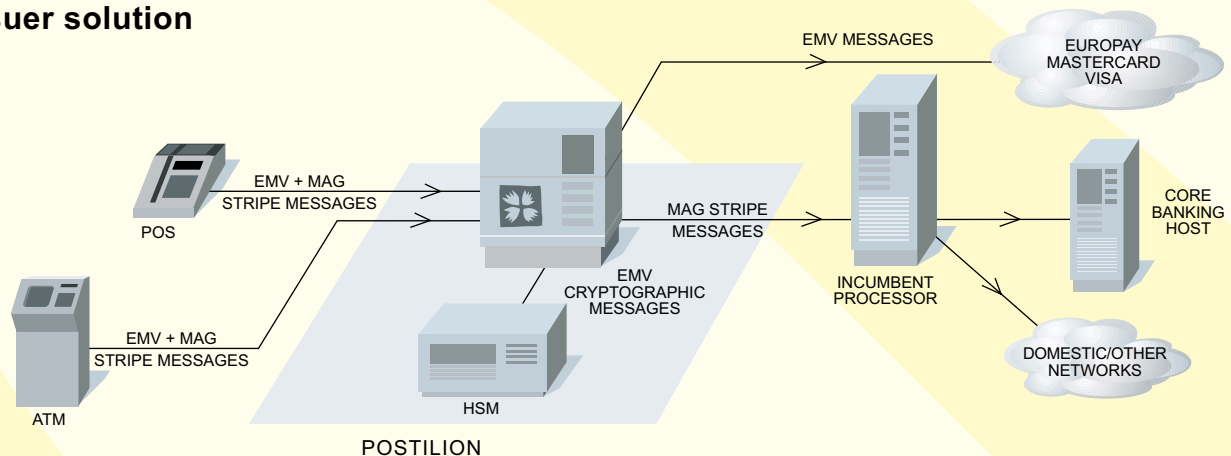
Reduction of online traffic while maintaining security

EMV provides greater security in offline processing of transactions, whilst also allowing PINs to be verified and the card to be authenticated.

Postilion can solve acquirer's EMV requirements

Acquirers must be EMV compliant by January 2005 according to a Visa mandate, which applies to Western Europe and to the CEMEA region – Central and Eastern Europe, the Middle East and Africa. If they are not EMV compliant, they face a liability shift for fraud caused by their failure to support EMV. The Postilion EMV Gateway can provide a cost-effective solution for this requirement whilst also providing a technology platform that can be used for other channels.

Issuer solution



Overview

Postilion EMV Gateway allows an issuer to support EMV transactions without the need to make costly changes to existing authorization host systems. Postilion EMV Gateway is able to process the EMV security data using a hardware security module before switching the message to the existing processor in a traditional magnetic stripe form for further processing.

Business case for issuers

EMV smart card solutions mean that card data are held on a secure chip that is resistant to attempted fraud. The business case to migrate to EMV is especially compelling for issuers, who will benefit significantly from fraud savings.

Control and updating of card data

Issuers can change and update data on cards after they have been issued. Allowing card risk management parameters to be changed according to changes in cardholder behaviour, the issuer risk control measures provide an effective means of risk management.

Availability of additional applications

Chips equipped with EMV applications have more memory capacity, enabling additional applications to be provided. These applications added by issuers include loyalty programs and tickets or other bank card applications such as ePurse schemes.

Offline transaction performance

EMV provides mechanisms to authenticate and verify cards and PINs even when transactions are performed offline.

Reduction of transaction costs

Transactions performed offline reduce costs without compromising security.

Integrate with other solutions

Postilion's EMV Smart Card Gateway integrates fully with emerging technologies (including WAP-enabled mobile phones, the Internet and digital television), allowing for multi-channel generic payment solutions. In time, EMV will become widely used. Since Mosaic Software has designed other secure payment mechanisms (Internet and mobile commerce), it is our intention to play an active role in this processing technology.

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Website: www.mosaicsoftware.com • E-mail: info@mosaicsoftware.com

United States: (888) 4-MOSAIC or +1 (954) 426-1190 • United Kingdom: +44 (1753) 745-735

Australia: +61 (3) 8517 3800 • South Africa: +27 (21) 659-6000