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ICP PIN Pads and Readers

background

ICP is a major provider of PIN pads, Card Readers and payment services into the German, Austrian and Swiss markets. They offer a range of solutions for the attended and unattended POS environments and have successfully implemented payment solutions for a range of customers in the Retail and Petrol sectors.



requirement

With their core markets migrating to EMV on the same timescales as the UK, (1st January 2005) they had an urgent requirement to add EMV Level 2 functionality to their range of products. Faced with a project that had an immovable completion date that allowed little room for error they required a solution that could meet their architecture requirements and be implemented quickly.

CreditCall solution

After inviting tenders from a number of possible suppliers they chose to buy the EMV.LIB solution from CreditCall on the basis of the technical superiority of the solution and the suitability of its architecture for their environment. .

As EMV.LIB is written in ANSI C and ICP use C as their main development language it could be ported into their embedded payment application very quickly. In addition, as EMV.LIB has been designed with the embedded hardware in mind, all of the hardware and operating system specific functionality is abstracted away from the core EMV functionality via a hardware abstraction layer. This enables the interfaces to the card reader and authorisation mechanism to be added in a manner that is sympathetic to the nature of the environment in which it is being implemented.

This architecture has enabled ICP to take a very efficient 'off the shelf' EMV Level 2 Kernel and create bespoke interfaces that are sympathetic to their environment and deliver their EMV project ahead of schedule and below cost