

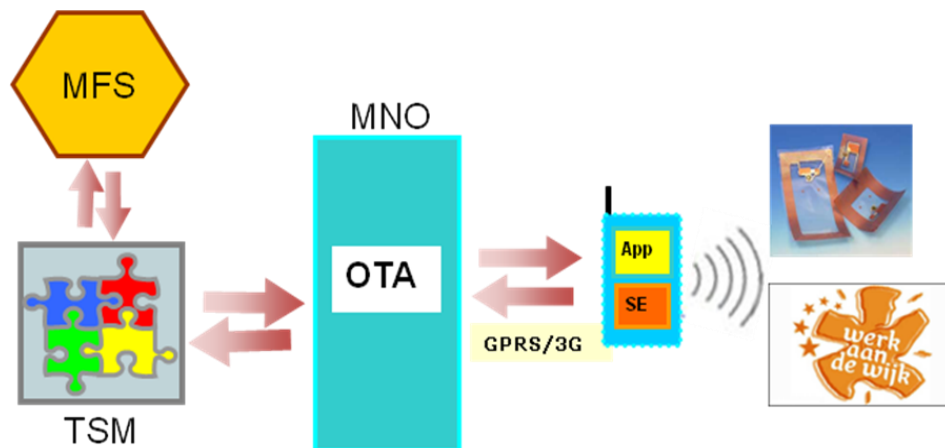


RFCyber Mobile POS Solution

RFCyber Mobile POS solution empowers the mobile workforce in enterprise markets with an innovative low cost yet secured POS based on Near Field Communication (NFC) enabled mobile device to transact with RFID tags. Our solution turns the Smart Card (e.g., NXP SmartMX) in NFC devices into a security and authentication module (SAM) to enable offline transactions be conducted anywhere in places that even mobile connection may not be present. The solution also provides end-to-end security between mobile POS and backend server to ensure the integrity of every transaction in real time or batch. With the communication capability, the Mobile POS can be further integrated into existing enterprise workflows to provide features such as real time task assignment, assignment signing in and signing off. This makes the Mobile POS an attractive solution to convert labor-intensive paper system into a cost effective e-payment solution, and to expand mobile consumption points for an existing e-payment system. The solution is offered for various popular smart card standards such as Mifare, DESFire and CPU card (e.g., JavaCard).

For consumer market, we also turn the NFC enabled mobile phones into a smart poster enabled reader device. The external RFID tags can be used in advertisement industry as smart posters where users can use the NFC handset to access content stored in the smart posters.

Mobile POS is deployed by our Trusted Service Management (TSM) platform to manage not only the applications loaded into Mobile POS but also the SAM stored in Smart Card of the mobile device.



Successful Deployments

Social Care E-Voucher

Worked with partners, we deployed our Mobile POS solution using NFC enabled mobile phones (Nokia 3220 and 6131i) to the Social Care Service of Breda, The Netherlands at



August 2007. Citizens of Breda, who need social care services, are issued contactless e-voucher cards storing personal ID and credits (e-tokens) for services. Social care workers carry a NFC enabled mobile phone. The phone is a NFC Mobile POS, deployed by our TSM. To check-in at a customer, the social care worker touches with the mobile phone the customer's e-voucher card for identification and a timestamp for starting the service. After a service is delivered, the social care worker touches with the mobile phone again the e-voucher card to check-out, a timestamp for ending the service. A deduction of the pre-paid e-token from the e-voucher card is done. These transactions and service records are stored in the NFC Mobile POS, which can in turn be uploaded to a back-end server in batch via OTA. In addition, social care workers can use the NFC Mobile POS to let the customers purchase more e-tokens, by using the OTA technology for the top-up of the customer's e-voucher card. The social workers will batch upload POS transaction records to the backend periodically. The Mobile POS can also query balance and history of an e-voucher.

This deployment provides simple, efficient and accurate record tracking for the social care services offering organization "Werk aan de Wijk" in Breda. By using NFC enabled mobile phone technology, resources can effectively be allocated for respective services. For the end-users, this new product makes the purchase and handling of social care services much more easy and convenient.

NFC Smart Poster

We are the smart poster solution provider to the NFC contactless mobile credit card promotion program conducted by Chunghwa Telecom, China Trust Commercial Bank, Visa International and Nokia in Taipei, Taiwan at September 2007. In this program, consumers can simply use their Nokia 6131i NFC cell phones to touch RFID tag on each smart poster to access the information stored on its tag. With user's permission, the phones can use the smart poster information via the GPRS connection to OTA download additional promotions information and coupons. These coupons can then be stored on the cell phone for future consumption at participating merchants. As part of the solution, there is a web management system for administrators to manage the promotional information and write the information into RFID tags.

RF Cyber NFC Smart Poster solution, based on our Mobile POS technology, enables the interactive smart poster advertisement by following the NFC Forum smart poster format. The advertisement provider will benefit from this revolutionary interactive advertisement approach, especially comparing with traditional one-way advertisement to consumers.

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