



FOR IMMEDIATE RELEASE

CHESS UNVEILS WORLD'S FIRST POS TERMINAL BASED UPON VIRTUALIZATION TECHNOLOGY

La Ciotat, France – Haarlem, The Netherlands, October 28, 2008. Innova card a leading provider of secure microcontrollers and software solutions and Chess, a leading company in the field of innovative systems and critical payment solutions, today announce the release of PAY4YOU[®], an innovative POS terminal based upon virtualization technology and powered by Linux operating system.

The PAY4YOU[®] terminal is a fully integrated POS terminal that is compliant with payment standards such as EMV, CTAP and PCI+. It can be either used as a countertop device or carried around as a mobile terminal.

By using a highly integrated hardware platform, Chess has been able to lower the cost of ownership while providing a powerful state-of-the-art POS terminal. More importantly, the company brings modularity and performance a step forward by using an embedded virtualization solution that provides a robust environment within which multiple secure and non-secure applications can run simultaneously. As an example, one of the Virtual Machine (VM) hosts a full Linux operating system while another one is dedicated to security functions such a smart card, LCD display and keypad management. Additionally, the device comes with a built-in XML browser that allows value-adding non-secure applications such as loyalty programs to be developed by third-parties without re-certifying the terminal or compromising its security scheme. This breakthrough solution makes PAY4YOU[®] one of the most flexible and versatile POS terminal on the market.

The PAY4YOU[®] terminal is based on USIP[®] PRO, a secure 32-bit Flash Microcontroller from Innova Card that integrates all the peripherals required to build new generations of Point-of-Sale terminals. USIP[®] stacks an impressive list of proven security mechanisms developed to address PCI PED 2.0 requirements. That includes FIPS certified random number generator, dynamic and static intrusion sensor controllers, DPA/SPA resistant cryptographic functions and battery-backup area with instant erase capability. Furthermore the device embeds a patented on-the-fly memory encryption engine that can encrypt and decrypt external memories such as Flash and SDRAM without any performance hit.

According to Dany Nativel, VP Marketing with Innova Card "The PAY4YOU[®] terminal from Chess is paving the way to a new era of multi-application financial terminals that are providing unique personalization and customization capabilities while simplifying firmware upgrades of both secure and non-secure applications. I'm delighted about the outcome of the great collaboration we have had with Chess on integrating virtualization technology on our Secure 32-bit Microcontroller".

According to Wido Beekman, business line manager with Chess "the road to a new terminal is always difficult. But to be in the frontier of payment innovation is challenging and exciting. Chess is glad that Innova Card was its partner during the development. Together we did a excellent job. To my opinion USIP[®] PRO in combination with a virtualization is the technology of choice for future POS terminals.



About CHES

Chess is a specialist in the field of innovative systems and critical solutions. In a market with a high demand for cost reduction and better manageability, Chess provides complete solutions within its software development centre and production design and development centre, including its own components if necessary.

Chess sees innovation as an important part of a sustainable enterprise. Its own innovation teams follows and implements important trends in collaboration with universities and educational establishments. Devoting a portion of the available work hours to product to product and services development and ICT training courses, safeguard knowledge management. Chess focuses on many innovative areas of application in the financial and payment market by providing world-class consultancy services, customized software development, product life-cycle management and its own new powerful products such as payment terminals or back office transaction systems.

For further information, visit <http://www.chess.nl>

About Innova Card

Founded in 2002 in France, Innova Card develops and markets complex Systems-on-Chip and secure hardware and software solutions for a variety of trusted terminals (EFTPOS, PINPAD, smart card readers, etc.) and applications (payment, healthcare, transportation, tax control, etc). Innova Card's solutions are based on USIP® Professional IC, the most secure and integrated platform (EMV and PCI-PED 2.0 compliant). Innova Card is the only company that offers global solutions to support terminal manufacturers from the design to the production while achieving advanced security level.

For further information, visit <http://www.innova-card.com>.

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