

IDEX ASA Debuts SmartFinger Film Fingerprint Sensor Technology Implementations at CARTES PARIS



Oslo, Norway November 22nd 2010 IDEX[®] ASA today announced it will be demonstrating its award winning SmartFinger[®] Film fingerprint sensor integrated into One Time Password (OTP) cards at the CARTES and IDentification 2010 exhibition in Hall 4 Booth 145 (4N145), located at the Parc des Expositions de Paris Nord Villepinte, Paris France. In addition, IDEX will also be demonstrating the SmartFinger[®] Secure Processor which is a complete embedded authentication software solution to be preinstalled on a microcontroller.

IDEX will be showing the SmartFinger[®] Film integrated into a biometric powered card that generates an OTP when the registered user swipes their finger over the embedded fingerprint sensor. By replacing passwords and pin codes with fingerprint authentication, restricted access can be provided in a secure and user-friendly manner. Authorized users obtain secure access simply by swiping a finger across the SmartFinger[®] Film sensor.

IDEX will also be showing the SmartFinger[®] Secure Processor (SSP), a complete embedded authentication software solution to be preinstalled on a microcontroller. The SSP interfaces the fingerprint sensor on one side and the system controller on the other. It does all the processing required to acquire fingerprint images, building and storing a small database of enrolled fingers, and match images against the database. This complete embedded biometric authentication solution provides a faster time to market for systems integrating biometric security based on SmartFinger[®] sensors.

Encryption is supported for communication between the SSP and the system controller, and there is a choice between four different interfaces: USB, UART, I²C, and SPI. The SSP software is implemented on a standard off the shelf Cortex/M3 microcontroller which can be delivered with a combined sensor, or as part of a complete biometric module.

The patented IDEX SmartFinger[®] Film sensor is an ultra thin, durable and flexible fingerprint sensor, based on state of the art polymer technology, that has energy efficient electronic circuitry and software algorithms with superior biometric performance. The SmartFinger[®] Film fingerprint swipe sensor can be easily implemented into a variety of applications requiring biometric authentication such as One Time Password devices, Smartcards, ID cards, access control devices and biometric tokens. The technology is based on multiple patent families, ranging from sensing principles to miniaturized hardware implementations and image processing algorithms. Combining the extremely small software footprint with low recourses microcontrollers and the thin and flexible form factor of the sensor hardware, IDEX is able to offer a complete embedded biometric authentication solution tailored specifically for card applications resolving all privacy and security concerns.

About IDEX ASA

IDEX[®] ASA is a Norwegian public company specializing in fingerprint imaging and recognition technology. IDEX's vision is to ensure individuals a safe, secure, and user-friendly use of personal ID. IDEX has developed the award-winning SmartFinger[®] Film



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technology platform including the patented fingerprint imaging principle, sensing scheme and chip design combined with core software algorithms for imaging and authentication. IDEX develops and supplies the patented SmartFinger[®] Film fingerprint sensor technology and software algorithms which enables on device enrollment, template storage and verification within the very same module. SmartFinger[®] Film is extremely thin and flexible and can be customized for a variety of applications such as One Time Password devices, Smartcards, ID cards, access control devices and biometric tokens. The SmartFinger[®] technology is available to customers under an intellectual property (IP) licensing scheme or as SmartFinger[®] Film sensor assemblies for integration into customer products. IDEX ASA (ticker IDEX) is listed at the Oslo Axess market place on the Oslo Stock Exchange. For more information, please visit www.idex.no or contact IDEX at: mailbox@idex.no

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