DIGIPASS 836

VASCO's most popular optical smart card reader now also available with replaceable batteries and an improved user-interface

DIGIPASS 836 reduces the level of user interaction for authentication, resulting in increased user acceptance for the use of e-signatures in high-risk internet banking transactions.

Online transactions are scrutinized by hackers who want to turn the e-transaction to their benefit. Fraud schemes are becoming more and more sophisticated, such as man-in-the-middle and man-in-the-browser attacks. Banks are increasingly adopting defense mechanisms using electronic signatures for signing transactions.

VASCO® Data Security is a leading provider of strong authentication solutions, helping financial institutions and other organizations worldwide to effectively combat online fraud. The VASCO solutions help financial organizations to ensure the authenticity of transactions while authenticating the users who initiate them.

DIGIPASS® 836 is VASCO's most popular card reader and is now also available with replaceable batteries. It combines Class 1 standalone smart card reader functions, such as one-time password and electronic signature with EMV-CAP compliance (Europay – Mastercard – Visa Chip Authentication Program) and German HHD 1.4. DIGIPASS 836 can help banks to add strong authentication to their retail channels in a cost-effective way by leveraging the bank's existing investments in an EMV infrastructure.

HOW DOES IT WORK?

DIGIPASS 836 offers a solution against man-in-the-PC and man-in-the-browser based fraud. All transaction data are displayed in a trusted environment and approved with a mandatory "OK" push on the button by the end-user.

The optical interface is a feature that automatically downloads data from the PC display on to the DIGIPASS 836. This feature increases the end-user acceptance dramatically since a data transfer is completed within a few seconds. The interface does not require any software or driver as the communication is established through a flashing pattern on the user's PC (Javascript, Animated Gif or Adobe Flash) and the photo sensors of the DIGIPASS 836.

Customizable positioning icons on the DIGIPASS 836 overlay enable the compatibility of the optical interface with any screen size and resolution.

USER-FRIENDLY

DIGIPASS 836 is self-explanatory in use. Its new design further enhances user-friendliness. DIGIPASS 836 allows the use of larger character sets to be displayed on the screen to improve readability. If required by the end-user, OTP and e-signature codes can be magnified and displayed using the full size of the screen. Both features add to the user-friendliness for elderly people, considering electronic banking has become extremely popular with the elderly.

EASY TO DEPLOY AND INTEGRATE

DIGIPASS 836 is a platform-independent card reader which can easily be rolled out to a vast amount of end-users. Each reader is identical; as a result it does not require personalization prior to customer delivery. Therefore, production and distribution can be managed in a very cost-effective way.

DIGIPASS 836 initializes itself and becomes unique and personalized the moment the end-user inserts his smart card and enters his PIN. When the card is removed from DIGIPASS 836, all secrets are permanently erased. The card is inserted at the bottom of DIGIPASS 836 which adds to the user convenience of the optical communication.

DIGIPASS 836 can also easily be integrated into a 3D-Secure architecture, allowing the cardholder to use it for online payment by entering key transaction data before authorizing payment. Here again, using DIGIPASS 836 for online payment purposes does not require a connection to a terminal or PC, nor does it require the installation of client software or drivers.

VASCO
THE AUTHENTICATION COMPANY

DIGIPASS

LOW COST OF OWNERSHIP

DIGIPASS 836 combines the intrinsic security of a smart card with the flexibility of an authenticator. Since DIGIPASS 836 requires no extra personalization by the network owner, it can easily be rolled out in an efficient way to a large end-user customer base. Furthermore, thanks to its user-friendliness the cost of helpdesk support is significantly reduced resulting in a lower management cost of the security infrastructure.

ECOLOGICAL FOOTPRINT

DIGIPASS 836 now comes in a version with two removable batteries. The batteries can easily be replaced by the end-user. DIGIPASS 836 with replaceable batteries helps banks comply with new ecological policies and regulations.

CUSTOMIZATION

DIGIPASS 836 can be customized, reflecting the bank's corporate logo and colors to enhance brand recognition for the end-user. DIGIPASS 836 is fully interoperable with all members of the DIGIPASS family and works seamlessly with VACMAN®, VASCO's core authentication technology and IDENTIKEY® Server Banking Edition.

COMPLIANCE

Storage temperature	-10 °C to 50 °C; 90% RH non-condensing	IEC 60068-2-78 (Damp heat) IEC 60068-2-1 (Cold)
Operating temperature	0 °C to 45 °C; 85% RH non-condensing	IEC 60068-2-78 (Damp heat) IEC 60068-2-1 (Cold)
Vibration	10 to 75 Hz; 10 m/s2	IEC 60068-2-6
Drop	1 meter	IEC 60068-2-32
Emission	EN 55022	
Immunity	4 kV contact discharges 8 kV air discharges 3 V/m from 80 to 1000 MHz	EN 61000-4-2 EN 61000-4-3
Compliance to European directives (CE marking)	2004/108/EC (EMC directives) 2002/95/EC (RoHS directive) 2002/96/EC (WEEE directive)	

FEATURES

VASCO Class 1 reader	
Display	High contrast 80 x 16 dot matrix oversize LCD Magnifying feature
Size	Compact size of 82,6 x 62,9 x 8,8/17,4 mm
Optical interface	5 photo sensors 45° tilt angle Screen protective rubber
Weight	65 g
Keypad	Tactile keypad with silicon rubber key printed with an epoxy layer. Resistant to over 100,000 rubbings. 10 numeric keys, 6 function keys
Power	Replaceable batteries (dual 2032 battery cell)
Card Insert	Bottom-up
Standards	• Germany (HHD 1.4; chipTAN, sm@rtTAN) • Austria (HHD 1.2; cardTAN) • MasterCard (2004, 2007) • VISA dynamic passcode authentication version 1.1 • Advanced Authentication for Chip (CAP E, PLA) • CAP User Interface specification - UK Implementation (APACS)

About VASCO

VASCO is a leading supplier of strong authentication and e-signature solutions and services specializing in Internet Security applications and transactions. VASCO has positioned itself as global software company for Internet Security and designs, develops, markets and supports patented DIGIPASS®, DIGIPASS PLUS®, VACMAN®, IDENTIKEY® and aXsGUARD® authentication products. VASCO's prime markets are the financial sector, enterprise security, e-commerce and e-government.

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