



DIGIPASS 580 / 585

Counter Man-in-the-Middle attacks with e-Signatures: What You See is What You Sign

The DIGIPASS 580/585 are strong authentication devices with a built-in electronic signature functionality to help secure online transactions and combat Man-in-the-Middle attacks (MITMA) in local markets. Standard multi-language support function and a high-resolution display make them a perfect fit for the financial institutions around the globe.

DESIGNED FOR THE INTERNATIONAL MARKETS

DIGIPASS® 580/585 authentication devices are designed specifically for the international financial institutions and can accommodate complex character sets in several languages including Traditional and Mandarin Chinese, Thai, Cyrillic (Russian), Japanese, Arabic, and Greek.

ERGONOMIC DESIGN

The DIGIPASS 585 also permits one-button dynamic password generation without opening the hardcover. This allows for a quick login to perform simple tasks such as balance checking or account management.

WORKING PRINCIPLE

The main security problem presented by the Man-in-the-Middle attacks lies in ensuring the authenticity of transactions in addition to the authenticity of the users who initiate them. DIGIPASS 580 and 585 provide user authentication at logon with a One-Time Password (OTP) and offers electronic signature validation for high-risk transactions – all in one device.

WHAT IS AN E-SIGNATURE?

The DIGIPASS 580 and 585 e-Signature functionality will use different transaction data such as the account number and amount to generate a unique "signature" code for a particular transaction.

This method, in combination with user authentication with OTPs, makes MITM attacks ineffective.

WHAT YOU SEE IS WHAT YOU SIGN

The DIGIPASS 580 and 585 offer a very simple and intuitive way of electronically signing transactions. The user will actually see and understand what he/she is signing through the use of interactive screen prompts that guide them through the entire process.

All that is left for the end user to do is to type the transaction data into the DIGIPASS screen to generate an electronic signature.



USER-FRIENDLINESS

- Local language support through the large high-resolution display which allows complex characters sets such as Chinese, Japanese, Arabic, Thai, Greek, Indonesian, Vietnamese and others
- One-button dynamic password generation without the hardcover opening (DIGIPASS 585) allows for a quick login to perform simple tasks such as balance checking or account management
- Extended help function can be used to store the helpdesk phone number or other related information
- The inside of the hardcover can be used for operating instructions or any other information the bank wishes to communicate to their end users
- Possibility to use default account number and internal counter

ERGONOMIC DESIGN

- Contemporary PIN-protected device with an integrated hardcover
- Ergonomic keypad and bitmap display support special characters and custom messages

CUSTOMIZATION POSSIBILITIES

- Can be customized to fit the specific needs of the bank
- Individually programmable security parameters such as the PIN length, number of PIN trials, type of cryptographic algorithm and lengths of challenge and response
- Supports up to four different languages
- Display messages and logos can be customized

SELF-SERVICE CAPABILITIES

- PIN-protected device with a PIN locking function
- Local device unlocking can be done by the user via PUK or remotely via challenge/response by the helpdesk personnel
- User-changeable PIN - usage and length can be individually selected

PHYSICAL PARAMETERS

- Size: 91 x 64 x 9 mm with cover
- Weight: 41 g
- Integrated hard cover to protect display and keypad
- Tactile keypad technology with 11 silicon rubber keys and 1 jog dial
- High-resolution display
- Internal real-time clock
- Expected battery life of five years

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 serving customers in more than 100 countries, including several international financial institutions. VASCO's prime markets are the financial sector, enterprise security, e-commerce and e-government.

www.vasco.com

BRUSSELS (Europe)

phone: +32.2.609.97.00
email: info-europe@vasco.com

BOSTON (North America)

phone: +1.508.366.3400
email: info-usa@vasco.com

SYDNEY (Pacific)

phone: +61.2.8061.3700
email: info-australia@vasco.com

SINGAPORE (Asia)

phone: +65.6323.0906
email: info-asia@vasco.com