

DIGIPASS Nano

Hardware based authentication with e-signature functionality for your mobile phone to address security challenges of mobile applications

Mobile banking applications face multiple challenges. In order to gain widespread user acceptance, they must be secure without compromising user-friendliness. VASCO addresses these challenges with its innovative solution DIGIPASS Nano. DIGIPASS Nano enhances the security of online service channels through the use of e-signatures and end- user authentication.

GROWING NEED FOR SECURITY OF ONLINE CHANNELS

VASCO fulfills a growing need by enhancing the security of online service channels through the use of e-signatures and the authentication of end- users. DIGIPASS Nano® is a reflection of VASCO's innovation and continuously evolving efforts to bring high-level security to all environments. The solution allows mobile phone users to embed the best-of-breed authentication technology into a familiar, daily-used device.

With its unique form factor, DIGIPASS Nano offers banks and corporations new perspectives in using mobile devices as authentication means, providing them with a new channel to interact with their customers. Mobile users will be able to perform secure transactions, access business-critical data or transfer money anywhere at any given time.

HARDWARE SECURITY LAYER FOR YOUR MOBILE PHONE

DIGIPASS Nano consists of a thin film that users can place on top of any SIM card, turning the phone into a mobile security device capable of generating one-time passwords and e-signatures hence turning the mobile devices into an authentication device. By placing DIGIPASS Nano onto the SIM card, end-users can securely access keyboard and display functionalities. The DIGIPASS Nano application will appear as a SIM application and allows customers to bring two-factor authentication into end-users' hands.

FULLY CUSTOMIZABLE

- The DIGIPASS Nano application can be customized and provides Response Only, Challenge/Response as well as Signature capabilities
- Texts and messages can all be customized according to your wishes
- DIGIPASS Nano is delivered on a ISO card host that includes laser engraved serial numbers and PUK information for better handling and can be customized on both sides with your corporate message and logo

EFFORTLESS INTEGRATION AND DEPLOYMENT

DIGIPASS Nano works seamlessly together with VASCO's range of server side solutions such as IDENTIKEY, VACMAN Controller and aXsGUARD. The solution is supported by every compatible mobile phone fitted with a SIM Card. DIGIPASS Nano benefits from the SIM Toolkit (STK) environment, which enables the SIM to initiate actions which can be used for various value-added services, ensuring secure access to display and keyboard functionalities.

The solution does not require any specific subscription and is therefore operator independent. Furthermore, DIGIPASS Nano can be deployed by banks and corporations to fit virtually every mobile device worldwide that supports SIM or USIM technology.

Deployment and of DIGIPASS Nano follows the best practices in the industry to ensure the highest level of security, either in key injection, host file provisioning or PIN usage.

SUPPORTED PLATFORMS

All mobile phones that make use of SIM cards and STK interface are supported. A full list of potentially supported platforms can be provided on request.



DEPLOYMENT SPECIFICATIONS

- PIN Management of DIGIPASS Nano respects ETSI TS 102.221.
- DIGIPASS NANO adheres to GSM 11.11 & GSM 11.14 specifications
- Secret key will never be accessible outside the DIGIPASS NANO applications as it can be considered as a hardened environment
- Host and Signature Confirmation Code functionalities allow mutual authentication: from user to server and vice versa.

BENEFITS

- Compact
- Easy to install, deploy and integ
- User-friendly
- Operator independent
- Secure: Provides two-factor authentication, no external application : 'all inside the chip' solution
- Green: no battery, no keypad, no display, extremely low plastic consumption

FEATURES

- Application 1: Response Only Event based or Challenge/ response Event Based
- Application 2: Signature Event base or Challenge/ Response Event Based

TECHNICAL SPECIFICATIONS

Physical form factor	<ul style="list-style-type: none"> • Length 24.8 mm • Width 13.7 mm
Pin Management	<ul style="list-style-type: none"> • PIN enable/Disable • PIN Minimum length 4 to 8 digits • PIN Change On/Off • WEAK PIN control On/Off

Applications	<p>Application 1:</p> <ul style="list-style-type: none"> • No Application • Event Based Response Only <ul style="list-style-type: none"> • Response Type: Decimal, Decimal2, Hexadecimal • Response Length: 4 to 16 • Host Confirmation Code: On/Off • Event Based Challenge/Response <ul style="list-style-type: none"> • Response Type : Decimal, Decimal2, Hexadecimal • Challenge Length: 1 to 16 • Response Length : 4 to 16 • Host Confirmation Code :On/Off <p>Application 2:</p> <ul style="list-style-type: none"> • No Application • Event Based Challenge/Response <ul style="list-style-type: none"> • Response Type : Decimal, Decimal2, Hexadecimal • Challenge Length : 1 to 16 • Response Length : 4 to 16 • Host Confirmation Code :On/Off • Event Based Signature <ul style="list-style-type: none"> • Response Type : Decimal, Decimal2, Hexadecimal • Signature Length : 4 to 16 • Signature Confirmation Code :On/Off • Datafields : up to 8 fields 1 to 16 max length.
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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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