



DCVx2

The ultimate solution to CNP fraud

Fully transparent to the cardholder,
immediately acceptable by all online merchants

The NID Security DCVx2 Display Card provides an extra layer of security for Card-Not-Present (CNP) transactions, and against payment card number theft. This technology replaces the static 3-digit security code usually printed on the back of a card by a mini-screen that displays a code, which is automatically refreshed according to an algorithm.

The automatic and periodic (time-based) generation of a new code results in ever-shifting security, which effectively renders copying of card information useless.

The dynamic code is seen by any payment page as a standard security code, resulting in immediate acceptance by 100% of online merchants.

The button-less card design enables a fully transparent cardholder experience by periodically refreshing the code without any user involvement. It does not require cardholder re-education, change of behavior, or any additional and potentially disruptive process, resulting in reduced deployment cost and an immediate 100% adoption rate.

Features

- Button-less design
- No glare, electronic paper 3-digit display
- Credit card format and thickness
- Contact or dual interface EMV

Benefits

For the cardholder

- Transparent user experience
- Increased security
- Superb readability in any lighting condition

For the eMerchant

- Immediate compatibility
- Increased trust in online transactions

For the issuer

- Top of wallet
- Easy to deploy and explain
- Lower total cost of ownership
- Benefits the brand image

A versatile platform

The 133 Series is a programmable time-based platform designed to provide flexibility in solution development, and enable easy deployment. The integrated contactless interface enables loading of custom algorithms, applications, key files, and firmware updates. Compatibility with standard RFID equipment enables automated provisioning and logging.

Highest quality and reliability

NIDSecurity Display Cards are among the most reliable in the industry. Each card has been engineered to deliver an optimal service life and tested to withstand real-life usage conditions to ensure a low cost of ownership.

More secure

Unlike connected solutions such as OTP via SMS and software-based solutions, the Display Card enables Out-Of-Band-Authentication. It is not vulnerable to viruses that roam smartphones and other mobile devices. Non-reliance on signal coverage ensures anywhere, anytime availability.

Light infrastructure change for issuers



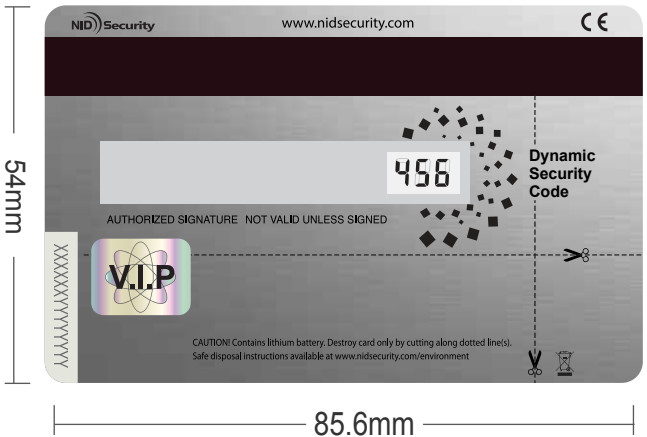
- 1 Card data (PAN, expiry date and dCVx2) sent "normally" via PSP and payment network to the issuer's authorization server, as for a transaction with a "normal" card
- 2 Card is recognized as dCVx2 and as a result, transaction authorization request is routed for validation towards the dCVx2 server**
- 3 The submitted dCVx2 is compared against one that is calculated by the DCVx2 server**
- 4 Result (Valid/Invalid) is routed back to the issuer's server to complete the transaction
- 5 Back to the merchant

Why NID Security?

NID Security has been listening to customer feedback and investing continually in research and development. The technique of encapsulating electronics into ISO card form factors has been perfected in order to deliver products built to meet real world demands. Extensive testing and qualification ensure our products meet or exceed international regulatory requirements.

With over 4 million Display Cards deployed, NID Security is the world leader in Display Card manufacturing.

The NID Security partner network includes the most innovative and dynamic solution providers in the world who can support every aspect of your implementation with maximum efficiency.



Standard Card Features

- 3-digit electronic paper, 7-segment characters
- Buttonless design
- Real-time clock
- ISO/IEC 7810 compliant
- Contactless personalization: ISO 15693
- 1-year standard warranty

Optional Features

Card Features

- Dual interface
- Magnetic stripe: 2 or 3 tracks
- Oersted: 300 or 2750, (optional customer specific)
- Secure signature panel
- Hologram
- Contact chip embedding: customer specific
- Printing: offset CMYK, screen printing
- Custom algorithm and firmware development

Personalization Options

- Laser engraving*
- Indent printing*
- Embossing*
- Magnetic stripe encoding
- Contact chip personalization
- Contactless chip personalization

Near-field Communication

- ISO 15693 Interface
- Get/set date/time
- Set OTP crypto key
- Generate and get OTP
- Get battery voltage

* For embossing, laser engraving, indent printing or other imaging technologies, please refer to design guidelines. For further information, please consult your sales representative.

**Please contact your sales representative for server information

Storage Temperature -20°C to +40°C. Ideal is 1°C to +10°C

NID Security - An OT company



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