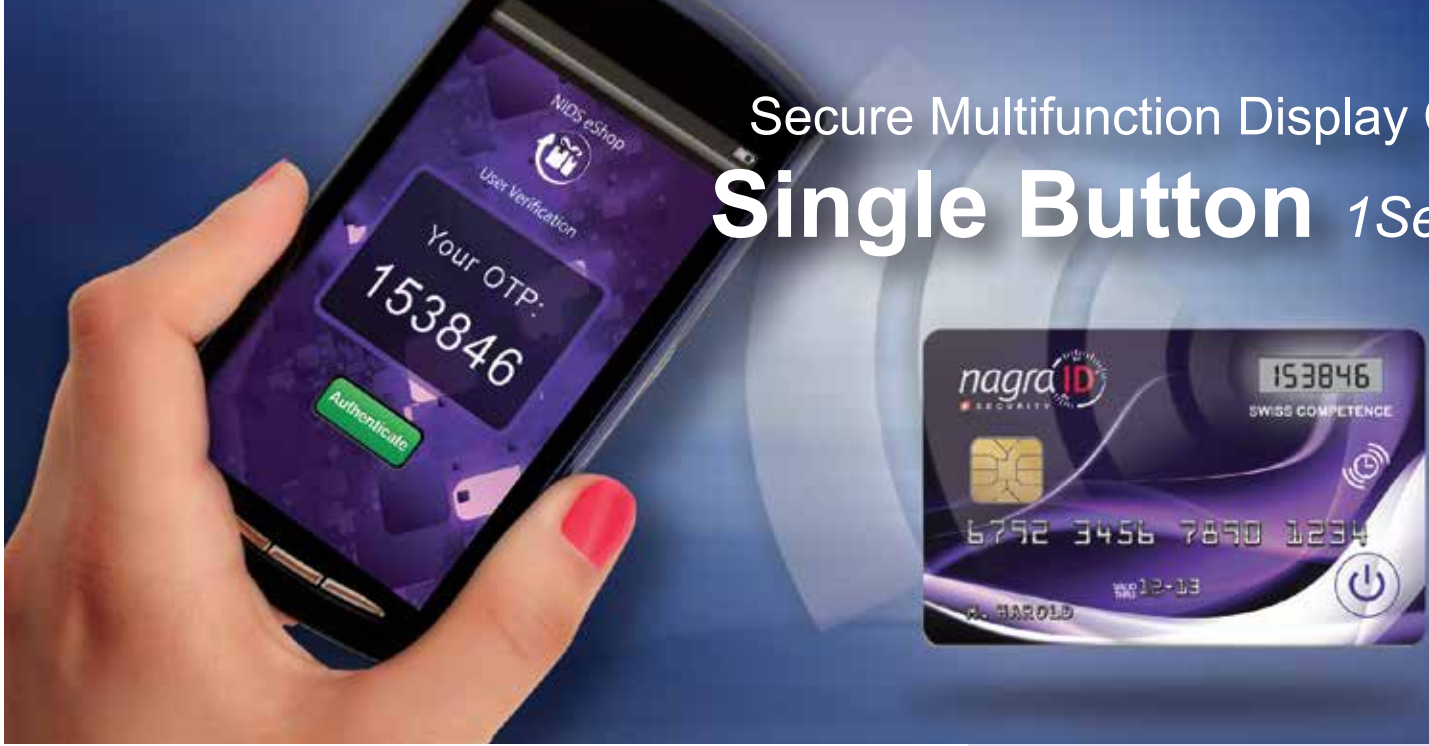Secure Multifunction Display Card
Single Button *1Series*

Two-Factor Authentication: *Simple and Effective*

In an era where data and digital communication is the backbone of businesses, governments and end users, it is vital to protect and secure access to sensitive information. Systems protected by static passwords are more vulnerable to various forms of attacks ranging from key loggers to electronic brute force attacks than ever before.

Two-factor authentication is a simple and effective way to drastically improve security by separating identity credentials into different realms. Standards for these factors include knowledge: something the user knows, such as PIN or username, and possession: something the user has, such as an independent hardware token capable of generating dynamic single use one-time passcodes (OTPs).

Dynamic passwords in a credit card form factor.

The NagraID Security Display Card is a convenient and easy to use security credential with dimensions identical to a standard credit card. The self-powered Display Card is equipped with a high contrast 6-digit LCD and an activation button. An event-based or time-based OTP is generated on the LCD by simply pressing the activation button. For tap-n-go applications, retrieval of the OTP and other useful data is possible wirelessly via the integrated ISO 15693 near field communication interface.

Versatile and customizable

The NagraID Security Display Card is a multi-application platform, ideal for physical access control, ID credential, eWallet and payment applications. It can be equipped with a PKI or dotNET chip, an RFID chip, magnetic stripe, signature panel and holographic hot-stamps. It can be personalized with laser engraving, thermal printing, embossing and indent printing.

The Display Card can be produced with custom, vibrant full color graphics using the latest offset printing technologies to reflect the exact issuer branding and identity.

Features
- High contrast, ultrafast 6-digit LCD
- User friendly single button operation
- MasterCard certified
- Industry standard HOTP, TOTP, CAP algorithms
- Support for custom algorithms
- Contactless programming interface
- Contactless data retrieval ISO 15693
- Credit card form factor ISO 7810
- Customizable graphics
- Comprehensive personalization options
- Optimal service life

Benefits
- Convenient, fits in a wallet
- One device, multiple functionalities
- Anywhere, anytime availability
- No card reader necessary
- Product differentiation
- Improved branding and top of wallet
- Increased security
- High user adoption
- Fast and easy to deploy
- Improved mobility
- Increased trust
- Low total cost of ownership

NagraID Security - *An OT company*

nagra**ID**
SECURITY

Easy integration and deployment

With support for Initiative for Open Authentication (OATH), and MasterCard algorithms, the NagraID Security Display Card is compatible and interoperable with existing authentication solutions that are implemented by the leading authentication providers today.

The programmable architecture and the integrated ISO 15683 contactless interface enable loading of custom algorithms, applications, key files, firmware updates and other data via near-field communication. Compatibility with standard RFID equipment enables automated provisioning and logging. With ISO 7810 ID-1 dimensions, it integrates into existing card distribution, fulfillment processes and facilitates end-user adoption.

Highest quality and reliability

NagraID Security Display Cards are of the finest quality and highest reliability in the industry. The Display Cards are certified to the highest standards and meet or exceed international regulatory requirements. Each card has been engineered to deliver a long service life and tested to withstand real-life usage conditions to ensure a low cost of ownership.

Convenient, easy to use and more secure

The NagraID Security Display Card integrates a high contrast LCD that is designed for maximum brightness and superb readability in all types of lighting conditions. With an instantaneous refresh rate, large amounts of information can be displayed by scrolling across the screen.

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

Why NagraID Security?

NagraID 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. NagraID Security Display Cards are the latest innovation in payment cards, enabling remote authentication and display of critical information on a single convenient device. Extensive testing and validation ensure our products meet or exceed international regulatory requirements.

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

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

* Extended 2-Year or 10K OTP and Premier 3-year or 15K OTP are available cost options

** For embossing, laser engraving, indent printing or other imaging technologies, please discuss with your sales contact.

Note i : Storage Temperature **-20°C to +40°C.** (Ideal storage temperature is **1°C to +10°C**)

Standard Card Features

- 6 digits LCD, 7 segments characters
- 1 mechanical button
- ISO/IEC 7810 compliant
- Contactless perso: ISO 15693
- Event-based and time-based OTP modes
- Real-time clock for time-based version
- HOTP, TOTP and MasterCard CAP algorithms
- EMV compliant, CSI certified
- 1-year standard warranty (3-year option)*

Optional Features

Card Features

- Magnetic stripe: 2 or 3 Ttrack
- Oersted: 300 or 2750, (optional customer specific)
- Signature panel: non-secure; secure
- Hologram: non-secure; secure
- Contact chip embedding: customer specific
- Printing: offset CMYK, screen & variable imaging technologies
- Custom algorithms and firmware development

Personalization Options

- Laser engraving**
- Indent printing**
- Embossing**
- Magnetic stripe encoding
- Contact chip perso
- RF chip perso

Near Field Communication Capabilities

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

126 - v1.6

ISO 7810,7811,7816   **EMC/UL UL/RoHS**

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