

VISA CodeSure



Complete Authentication Solution:

The Visa CodeSure card incorporates the latest technological advances with standard payment functionalities enabling multiple channel transactions and security that extends beyond two-factor authentication.

In addition to advanced functionalities which include Transaction Signing and PIN-generated one-time passcode, the Visa CodeSure card utilizes Emue's unique Mutual Authentication technology. This combination enables both service providers and cardholders to be securely identified which effectively reduces the risk of phishing and fraud during card-not-present transactions such as e-commerce, telephone and internet banking.



Dot Matrix Screen Display:

The new generation VISA CodeSure is equipped with NagraID Security's latest flexible dot matrix LCD display which boasts a 48x8 pixel resolution. This display provides a new dimension of usability by enabling more intuitive messages with virtually no character limitations to cardholders during the authentication process. The fully customizable dot matrix display helps issuers meet the needs of their customers by enabling support for local languages and non-Roman character sets.

Advanced TOUCH Keypad:

The Visa CodeSure card features NagraID Security's advanced 12-button smartphone-like TOUCH keypad which enables up to ten different authentication modes and card PIN protection with unprecedented ease of use and simplicity. The TOUCH keypad helps banks customise the product to fit consumers' user experience and effectively eliminates the need for a separate card reader for applications where user input is required.

Features and Benefits

- Fully customizable ultra-fast 48x8 pixel display
- Support for local languages and non-Roman character sets
- Support for graphical symbols
- High contrast dot matrix display
- 12-button TOUCH keypad
- Up to ten authentication modes; dynamic CVV, transaction signing, online banking, VPN access, etc.
- No card reader necessary
- Easy and convenient to use and deploy
- Standard banking and payment functionality
- Standard card form factor that fits in a wallet
- Increased mobility
- Multiple functionality
- Leverages existing hardware infrastructure
- Custom artwork
- Enhanced trust in online transactions
- Card PIN protection
- Secure PIN never entered into a non-trusted third party device
- Issuer control over online purchase authorization
- OTP generated from the user's PIN to authorize transactions, enhancing existing systems such as Verified by VISA by providing strong authentication
- Synchronization of the CP with CNP experience



Convenient and easy to use Security

The stylish Display Card from NagraID Security is produced with vibrant customized artwork in a familiar credit card form factor. The Display is a high contrast ultrafast dot matrix LCD screen with superb readability designed for maximum brightness in all types of lighting.

The Visa CodeSure card is just as convenient and works exactly like any standard payment card, with the added benefit of providing advanced secure authentication functionality.

- PIN generated one-time-passcode for Verified by Visa payments
- PIN-generated one-time passcode for online banking access
- PIN-generated one-time passcode for telephone banking services
- Transaction signing for online banking services
- Access to third party services such as corporate virtual private networks (VPN) for commercial card users, or frequent flyer programmes and other online services

Embedded Electronics Card

The Visa Emue CodeSure Card is a credit card embedding a 12-button touch keypad, an innovative dot matrix display and a microprocessor. This card is a new way of securing payment and banking transactions both on the web and over the telephone - and building consumer confidence.

Card Specifications	
Onboard Security Algorithm:	Visa CodeSure
Physical Card Dimensions:	ISO 7810*
Warranty:	Standard 1 Year/5K OTP, Extended and Premium warranty available on request
Number of OTP Digit:	Eight (8)
On Board RFID Protocol (ISO/IEC 14443):	Type B3 for es* (half size antenna)
Display:	Black on Gray Dot Matrix (48 x 8 pixels)
Platform:	EAL5+ Compliant w/ ICAO & EMV 2000 Spec.** EMV2000; Custom Applications
Switch:	One(1)
Touch Keypad:	Up to Twelve(12)*

*Extended Warranty options vary by application. Please contact your sales representative for details
* Features can be customized according to customer specifications.
** EAL5+ for es Secure Element versions only.
*** For Thermal Transfer, Laser Engraving & Indent Printing templates, please discuss with your Sales contact.
Note i : Storage Temperature -20°C to +40°C. (Ideal storage temperature is 1°C to +10°C)*

Optional Features

Card Features

- **Magnetic Stripe:** 2 or 3 Track
- **Oersted:** 300 or 2750, Optional Customer Specific
- **Signature Panel:** Non-Secure; Secure
- **Hologram:** Non-Secure; Secure
- **Contact Chip Embedding:** Customer Specific
- **Printing:** State of the art offset, screen & variable imaging technologies

Personalization

- Thermal Transfer**
- Laser Engraving**
- Indent Printing**
- Magnetic Stripe Encoding
- Contact Chip Perso
- RF Chip Perso

Why NagraID Security?

NagraID Security is the first and only manufacturer qualified and certified by both MasterCard/VISA Europe. Choosing NagraID Security display card product assures the quality and reliability expected from an experienced certified MasterCard/VISA vendor.

For over 20 years, NagraID Security has been listening to customer feedback and investing continually in research to perfect the technique of encapsulating electronics into ISO card form factor in order to deliver products built to meet real world demands. Already at its 5th generation, NagraID Security display cards are the latest innovation in payment cards, enabling remote authentication and display of critical information on a single device. Extensive testing and validation ensure our products meet or exceed international regulatory requirements. With over 2 million display cards deployed worldwide, NagraID Security is the world leader in display card manufacturing providing clients such as Paypal, Merrill Lynch, TEB, Bank SinoPac and more.

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.



54mm

85.6mm



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