

# New Generation of Financial Card

## *MasterCard Touch Display Card*

For Strong Authentication



## Powered Display Card with Touch Keypad

The static passwords you use today to access your online accounts are not secure. As identity theft and monetary fraud continue to escalate, online security is a major concern for you and the institutions that are responsible for your online transactions. User acceptance is crucial to the success of any security implementation so it is imperative that the solution allows you to conveniently and confidently access your online accounts from anywhere; knowing you are protected.

### Next-Generation Bank Card Here Today

Introducing the MasterCard Touch Display Card: a Powered 6-digit Display Card with an integrated 12-button touch-sensitive keypad; packaged in a convenient and familiar card form factor. The innovative touch-sensitive keypad allows for various onboard applications such as PIN activation, challenge response, and access to critical applications. The MasterCard Touch Display Card can function as a One Time Password credential for secure network access. These advantages enable multiple application loading and banking functionality on a single card while keeping your sensitive data and personal information safe and secure.

### Simple to Use and Effective

The MasterCard Display Card can be printed using custom artwork, corporate logos and a broad color palette. The thin, flexible and robust credit card form factor is readily recognized and accepted by the general public and can be carried in a wallet along with other plastic cards. The high contrast LCD display with an instantaneous refresh rate provides superb readability in varying light conditions and supports the scrolling of large data strings.

## Features

- MasterCard Certified
- Standard banking and payment functionalities
- Chip Authentication Program (CAP)
- Perso-Less Authentication (PLA)
- 12-button touch keypad
- PIN protection
- OTP generation and custom applications capable
- Standard card form factor that fits in a wallet
- High contrast numeric display
- Convenient to use

## Benefits

- No card reader necessary
- Custom artwork
- Increased mobility
- Multiple functionality
- Easy to deploy
- Enhance trust in online transactions

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# Technical Specifications

MasterCard  
Touch Series

## Easy to Deploy

The MasterCard Touch Display Card implements MasterCard's Chip Authentication Program(CAP), Perso-Less Authentication(PLA). This platform allows challenge response without the need for a separate reader.

The MasterCard Touch Display Card can be produced with state of the art offset, screen, variable imaging technologies, hologram, high coercivity magnetic stripe and signature panel. Other operations including contact chip embedding, card personalization and fulfillment can be completed by any MasterCard approved card manufacturer or personalization service bureau located around the world.

The card is available in four configurations :

**E** (Event Based), **ES**(Event-Secure Element), **T**(Time Based) and **TS**(Time-Secure Element)

## Product Comparison Table

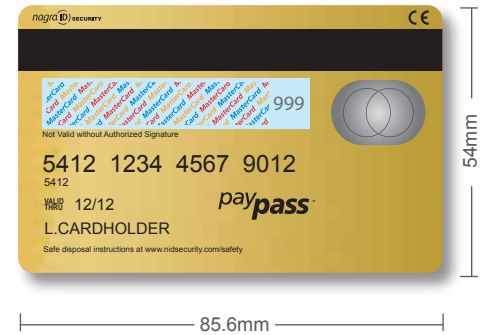
	Event	Time	Event-Secured	Time-Secured
*12-button Touch Keypad	✓	✓	✓	✓
*Custom Algorithm / Application(s) <sup>1</sup>	✓	✓	✓	✓
OEM Branding / Custom Artwork	✓	✓	✓	✓
3-Year Warranty <sup>2</sup>	✓	✓	✓	✓
Secure RFID Personalization			✓	✓
Contactless Interface(ISO 14443 Type B)			✓	✓
Mifare UL Protocol (ISO 14443 Type A3)	✓	✓		
Event-based Authentication Mode	✓		✓	
Time & Event Authentication Mode		✓		✓

1. Standard product uses OATH platform; custom algorithms/applications can be developed for proprietary systems.

2. Standard warranty 1-Year or 5K OTP. Extended 2-Year warranty or 10K OTP and Premier 3-year warranty or 15K OTP are available at additional cost.

\* Features can be customized according to customer specifications.

**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

\*\*For Thermal Transfer, Laser Engraving and Indent Printing templates, please contact the sales representative.

### Personalization Options

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

## Why NagralD Security?

NagralD Security, a leader in embedding electronics in plastic cards has led the way in manufacturing and developing OTP authentication devices in a credit card form factor. The technique of encapsulating electronics into ISO card form factor is a patented process that NagralD Security has perfected with its ambient temperature lamination technique. With more than 1.2 million flexible OTP Display Cards on the market, NagralD Security has opened a universe of new possibilities for financial institutions, enterprises, health care companies and governments.

The NIDS platform is the first and only display card to be qualified and certified by MasterCard, offering simple convenient and effective protection.

## NagralD Security - KUDELSKI GROUP

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