# fime

# Card Simulator

## Test the correct processing of payment transactions.

Contact and contactless card simulation tool.

Used by **Fime Labs**

## Overview.

**Card Simulator** is a card simulation tool for acquirers, acquirer processors, merchants and terminal vendors looking to test the correct processing of payment transactions on payment devices.

## Reduce time-to-market for POS/ATM.

**Card Simulator** generates detailed and clear reports of any testing, including logs and interpretations of all technical data in commands and responses. The tool works in conjunction with the industry-proven hardware **SmartConnect** (contact/contactless), **SmartLink Box** (contact) and **SmartWave Box** (contactless) and **SmartStripe** (magnetic stripe).

## How it works.

**Card Simulator** simulates the real behavior of a contact or contactless EMV®* card without the need for any physical cards. It simplifies the terminal testing procedure mainly by eliminating the dependency on EMV issuers and schemes for physical test cards.

## Key benefits

- No need for physical cards.
- Eliminate the risk of lost, blocked or damaged cards.
- Simulate contact, contactless and magstripe real-time cards.
- Gain insight into application logic with comprehensive reports, including logs and interpretations of technical data in commands and responses.
- Flexible and easy to use.

## Key features

- State-of-the-art tool that simulate any and all functions of an actual smart card, both contact and contactless.
- Simulate card profiles for all major payment schemes.
- Simulate both functional and faulty cards, allowing you to monitor the terminal's behavior during a card transaction and observe whether it reacts correctly.

**Fime can help you at any stage of your project lifecycle.**

Define   Design   Deliver   Test

# Libraries.

| Card simulation includes: | |
|---|---|
| **American Express** | Contact AEIPS and contactless Expresspay Card Images. |
| **Diners Club** | Card Images |
| **Discover** | Card Images |
| **DNA** | Card Images |
| **Interac** | Card Images |
| **JCB (TCI)** | Card Images |
| **Mastercard** | M-TIP Card Images for contact and contactless |
| | NIV Card Images for contact, contactless and magstripe |
| **PULSE** | Card Images |
| **UnionPay** | Card Images |
| **Visa** | L3 Card Images for contact and contactless, contact ADVT Card Images and contactless CDET |
| **Others** | Magnetic stripe images for brand testing |

# What's in the box?

Available hardware:

- Contact & Contactless testing: **SmartConnect.**
- Contact testing: **SmartLink Box.**
- Contactless testing: **SmartWave Box.**
- MagStripe testing: **SmartStripe.**

# Testing journey.

- Delivered with a pre-defined set of card images, a great source of card images from all over the world for all major payment schemes.
- Add your own card images (e.g. card images that are specific to your country).
- Simulate all EMV functionalities and capabilities of physical EMV cards by using the supplied card images, including magnetic stripe card images.



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# Contact

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**Contact and contactless card simulation tool.**

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