SmartConnect

Simulate and spy on card to device communications.

Handheld, wireless, portable card simulator and spy.

Used by Fime Labs

Overview.

The **SmartConnect** is a handheld, wireless and portable test tool for acquirers and terminal vendors to test and certify payment card acceptance devices or for all stakeholders in the mobile telecoms industry to spy and test SIM/eSIM and handset/modems.

Set up a cable-free test environment for device testing and spying.

SmartConnect testing device is used for contact and contactless card simulation and spying. It supports card acceptance device testing process with a wireless connection.

How it works.

SmartConnect is a handheld, wireless and portable device to analyze communications between:

- Card acceptance devices and card form factors.
- Mobile handsets and SIM / USIM cards.
- GSMA M2M, Consumer, IoT devices and eUICC.

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

Define   Design   Deliver   Test

Key benefits

- Set up a cable-free test environment for device testing and spying.
- Test in-the-field using this portable, compact hand-held device.
- Benefit from battery-powered (rechargeable), wireless card simulation and spying.
- Gain from fast wireless connectivity with Bluetooth.
- Use interchangeable probes for different (e)UICC positions in the device.

Key features

- Simulate and spy on contact and contactless cards, SIM, UICC and eUICCs.
- Execute performance measurements.
- Connect via Bluetooth® or USB to your tablet or laptop.
- Use seamlessly with other Fime test tools.

Specifications.

- ISO 7816.
- ISO 14443 Type A (including MIFARE) and Type B.

SmartTesting portfolio.

SmartConnect represents part of the **SmartTesting** portfolio. The portfolio consists of dedicated hardware components for testing smart cards and terminals (POS and ATM).

These include:

- The **SmartStripe** for magnetic stripe emulation.
- The **SmartLink Box** for contact chip emulation.
- The **SmartWave Box** for contactless card and NFC mobile phone emulation.

Smart ATM Test Cards can also test ATMs and other devices equipped with a motorized reader with a shutter.

What's in the box?

SmartConnect works seamlessly with other Fime tools specific to each target industry:

- Payment acquiring test tools, **Card Simulator** and **Brand Test Tool**, providing automated test execution and test card simulation, covering contact and contactless card images, including images for Visa, Mastercard, American Express, Discover, Diners Club, JCB, and UnionPay. Combined with Card Spy it offers real-time spying the communication, including measuring the transaction time performance of your contactless terminal.

- Mobile test tools, providing UICC simulation in **Mobile Handset Test Platform** and **5G Conformance Test Platform** to test handsets and modems. Combined with **Mobile Spy** it offers real-time spying on the communication between mobile handsets and SIM / UICC cards or between GSMA M2M, Consumer and IoT devices and eUICC.

Technical specifications.

- Probes for ID-1 and four different orientations for SIM, MicroSIM, NanoSIM and MFF2 form factors.
- Connects using bluetooth low energy or USB.
- Micro-USB connection for charging.
- Battery-powered; no additional power supply.
- One-day battery life.
- Fast charge to 100% in three hours.

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