

DECLARATION OF NATHANIEL E FRANK-WHITE

1. I am a Records Request Processor at the Internet Archive. I make this declaration of my own personal knowledge.
2. The Internet Archive is a website that provides access to a digital library of Internet sites and other cultural artifacts in digital form. Like a paper library, we provide free access to researchers, historians, scholars, and the general public. The Internet Archive has partnered with and receives support from various institutions, including the Library of Congress.
3. The Internet Archive has created a service known as the Wayback Machine. The Wayback Machine makes it possible to browse more than 450 billion pages stored in the Internet Archive's web archive. Visitors to the Wayback Machine can search archives by URL (i.e., a website address). If archived records for a URL are available, the visitor will be presented with a display of available dates. The visitor may select one of those dates, and begin browsing an archived version of the Web. Links on archived files in the Wayback Machine point to other archived files (whether HTML pages or other file types), if any are found for the URL indicated by a given link. For instance, the Wayback Machine is designed such that when a visitor clicks on a hyperlink on an archived page that points to another URL, the visitor will be served the archived file found for the hyperlink's URL with the closest available date to the initial file containing the hyperlink.
4. The archived data made viewable and browseable by the Wayback Machine is obtained by use of web archiving software that automatically stores copies of files available via the Internet, each file preserved as it existed at a particular point in time.
5. The Internet Archive assigns a URL on its site to the archived files in the format `http://web.archive.org/web/[Year in yyyy][Month in mm][Day in dd][Time code in hh:mm:ss]/[Archived URL]` aka an "extended URL". Thus, the extended URL `http://web.archive.org/web/19970126045828/http://www.archive.org/` would be the URL for the record of the Internet Archive home page HTML file (`http://www.archive.org/`) archived on January 26, 1997 at 4:58 a.m. and 28 seconds (1997/01/26 at 04:58:28). The date indicated by an extended URL applies to a preserved instance of a file for a given URL, but not necessarily to any other files linked therein. Thus, in the case of a page constituted by a primary HTML file and other separate files (e.g., files with images, audio, multimedia, design elements, or other embedded content) linked within that primary HTML file, the primary HTML file and the other files will each have their own respective extended URLs and may not have been archived on the same dates.
6. Attached hereto as Exhibit A are true and accurate copies of screenshots of the Internet Archive's records of the archived files for the URLs and the dates specified in the attached coversheet of each printout.

7. I declare under penalty of perjury that the foregoing is true and correct.

DATE: June 29, 2022

Nathaniel E Frank-White
Nathaniel E Frank-White

EXHIBIT A

https://web.archive.org/web/20060917010000mp_/http://www.nxp.com/products/identification/smartmx/index.html



You are here: NXP > Product Information > Identification > SmartMX

- > I want to ...
- > Product Information
- > Identification
 - > Automotive
 - > HiPerSmart
 - > HITAG
 - > ICODE
 - > MIFARE
 - > Near Field Communication
 - > Smart Card Reader IC's
 - > SmartMX
 - > Smart XA
 - > Success Stories
 - > UCODE
 - > WE
 - > Customer Support
- > Applications
- > Jobs
- > News Center
- > Company Profile
- > My Semiconductors

SmartMX

- + Applications
- + Products
- + Related links
- + Customer benefits
- + Features
- + Security
- + Selection Guide

Article options

- + Printable version
- + Email this article

Our advanced SmartMX family is designed for high-security smart card applications requiring highly reliable solutions, with or without multiple interface options.

Applications

Fully compatible with the MIFARE® PROX range, SmartMX meets the needs of high-volume, cost-sensitive, single- and multi-application markets such as banking cards, SIM cards, pay TV subscription cards, e-business, e-government and public transportation. Offering large EEPROM memory capacities (up to 72 Kbytes) and high levels of security, the SmartMX dual / triple interface family members meet and exceed the specifications for smart passports (machine-readable travel documents - MRTD) set by the International Civil Aviation Organization (ICAO).

Customer Benefits

- Advanced architecture, sets new benchmark in both security and performance
- Executes up to 6 times faster than other comparable Smart Card ICs
- Based on Philips' Handshake Solutions technology to deliver
 - high execution speed
 - ultra low power consumption and
 - conceptual security measures
- Secure contactless interface (ISO14443) option also provides optional MIFARE functionality and full compatibility with MIFARE infrastructure
- USB interface option on the triple interface device provides compatibility with home and office equipment
- NFC interface option on dual interface controllers
- Extended instruction set supports efficient C-programming for (e.g.) Java Card VM implementations
- Combined linear program / data address range
- Saves up to 30% code space while increasing execution speed
- Compliant with EMV (Europay-MasterCard-Visa) standard, which offers Dynamic Data Authentication (DDA) option.
- Many family members CC EAL5+ (Common Criteria Evaluation Assurance Level 5+) evaluated

Security

SmartMX card ICs feature exception sensors for voltage, frequency, temperature and light. In conjunction with Handshake Solutions' design methodology; this makes the entire family extremely resistant to any kind of physical analysis. A hardware memory management unit (Firewall) provides additional protection for PKI controllers. The SmartMX family has been evaluated by independent security experts to ensure the highest security standards and includes the first ICs for smart passports - the P5CD072 and P5CD036 - which have achieved CC EAL5+ certification.

Products

SmartMX is the most advanced solution available in its targeted segment, combining exceptionally powerful coprocessors for PKI and secret key encryption to support RSA, ECC, DES and AES, with the high-security, low-power, performance-optimized design concept of Handshake Solutions technology. SmartMX enables trouble-free implementations of state-of-the-art operating systems and open platform solutions including Java Open Platform and MULTOS, while offering an optimized feature set and the highest security.

Explore Litigation Insights

Docket Alarm provides insights to develop a more informed litigation strategy and the peace of mind of knowing you're on top of things.

Real-Time Litigation Alerts



Keep your litigation team up-to-date with **real-time alerts** and advanced team management tools built for the enterprise, all while greatly reducing PACER spend.

Our comprehensive service means we can handle Federal, State, and Administrative courts across the country.

Advanced Docket Research



With over 230 million records, Docket Alarm's cloud-native docket research platform finds what other services can't. Coverage includes Federal, State, plus PTAB, TTAB, ITC and NLRB decisions, all in one place.

Identify arguments that have been successful in the past with full text, pinpoint searching. Link to case law cited within any court document via Fastcase.

Analytics At Your Fingertips



Learn what happened the last time a particular judge, opposing counsel or company faced cases similar to yours.

Advanced out-of-the-box PTAB and TTAB analytics are always at your fingertips.

API

Docket Alarm offers a powerful API (application programming interface) to developers that want to integrate case filings into their apps.

LAW FIRMS

Build custom dashboards for your attorneys and clients with live data direct from the court.

Automate many repetitive legal tasks like conflict checks, document management, and marketing.

FINANCIAL INSTITUTIONS

Litigation and bankruptcy checks for companies and debtors.

E-DISCOVERY AND LEGAL VENDORS

Sync your system to PACER to automate legal marketing.