In2Pay
microSD

DeviceFidelity

Features

- Capacity* 128M to 1GB

- Standardized: Complies with SD card specification standards

- ISO/IEC 14443 Type A

- ISO/IEC 7816 secure internal link

- Controllable via mobile handset software

- Certified by Visa, Inc. for over 15 handset models. (Contact DeviceFidelity for up to date list.)

  *Note: 1 gigabyte (GB) = 1 billion bytes. Some capacity not available for data storage.

DeviceFidelity's patented In2Pay™ microSD transforms smartphones into interactive contactless transaction device and is the only NFC solution commercially approved by Visa, Inc.

Product Overview

A financial institution or mobile network operator can issue the In2Pay microSD as a credit, debit, prepaid or a multiple account digital wallet. The solution allows these issuers to quickly enable large segments of either pre-existing installed base or even add new customers. Applications for contactless transactions can range from payments, transit and access.

The product has earned global recognition as the world's leading plug and play solution enabling user preferred mobile devices for contactless transactions at hundreds of thousands of merchants worldwide.

The In2Pay microSD 2.x Card contains Java Card Operating System 2.2.1 and is an approved mobile platform for many of the world's leading issuers. The In2Pay microSD supports BlackBerry®, Windows Mobile™, Symbian OS and Android platforms. When paired with In2Pay iCaisse, the iPhone 4, Phone 3Gs and the iPhone 3G are also supported. Open loop payment applications supported include Visa PayWave, MasterCard PayPass, and Discover Zip. Also supported are several closed loop payment options.

Personalization

The In2Pay microSD can be mass personalized either via the ID1 card format In2Pay Personalization Package or Over-the-Air via a Trusted Service Manager and DeviceFidelity's In2Pay APIs.

Secure Element

ISO 7816, T=0, T=1 (communication speed, kbit/s	223.1
ISO 14443 T=CL (communication speed, kbit/s)	424
Available EEPROM Options kBytes	72
MiFare 1K	Yes
ROM (free for applets, up to kBytes)	65
APDU Buffer (RAM/bytes)	261
Java Card Version	2.2.1
Global Platform	2.1.1
SCP Secure Channel Protocol	SCP01, SCP02
DES/TDES (bit)	56/112/168
RSA (bit)	2432
SHA	SHA-1
Random Number Generator	Yes
RSA Key Generation	Yes
Logical Channels	1
VSDC 2.7.1	Yes
VMPA 1.3.1	Yes
MChip4	Yes
Mobile PayPass 0.91	Yes
Discover Zip	Yes