ST Pay-Blue Amber

ST Payment Secure Solution - Java Card™ platform with 40 Kbyte of user NVM for Visa® and MasterCard® Applications

Data brief

Features

- Java Card™ platform
- Up to 40 Kbyte user NVM
- Certified payment applications: Visa® and MasterCard®
- CPS personalization

Platform

- Java Card™ 3.0.4 classic operating system
- Global Platform™ 2.2.1 MG 1.0.1 API support
- Common Personalization Specification (CPS) compliant
- ISO/IEC 7816 T=0 or T=1 contact protocol

Hardware

- ST31 product based on 32-bit secure ARM® Core (SC000™)
- Up to 40 Kbyte of user nonvolatile memory

Cryptography

- NESCRIPT cryptographic RSA co-processor
- Enhanced DES accelerator (EDES)

Personalization

- Enhanced personalization performance for very rapid personalization times
- EMV CPS v1.1 compliant
- VSDC Personalization Specification v 2.0
- M/Chip 4 v1.1 Common Personalization Specification

Applications

- MasterCard M/Chip 4 1.1b
  - Data sharing single account configuration 2
  - PIN sharing
- Visa VSDC 2.8.1g

For further information contact your local STMicroelectronics sales office.
1 Description

The STPay-BlueAmber is a GP 2.2.1 Java Card™ platform for payment applications with up to 40 Kbyte of user nonvolatile memory.

STPay-BlueAmber can be configured to support Visa® VSDC and MasterCard® M/Chip 4 payment applications.

The STPay System-on-Chip (SoC) family is a packaged offering by ST, comprising a highly secure microcontroller, embedded application software, tools and support, aimed at serving the needs of card embedders and personalization bureaus worldwide.

For detailed configuration data, please contact your local ST sales office.

2 Certifications

3 Delivery forms

Wafer 8-contact and 6-contact gold or silver modules
4 Development tools

The STPay tool is an easy to use toolkit that allows issuers and service providers to:
- Install and test Java applets.
- Personalize, test and validate STPay-Java sample cards.

The tool comes with sample personalization scripts for VSDC and M/Chip to facilitate script development/validation and rapid card deployment.

5 Revision history

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<thead>
<tr>
<th>Date</th>
<th>Revision</th>
<th>Changes</th>
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<tbody>
<tr>
<td>03-Nov-2016</td>
<td>1</td>
<td>Initial release.</td>
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