

# Payment



Tag Systems' EMV chip portfolio ranges from basic to high end chip products based on Java GlobalPlatform specifications.

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## Java

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EMV Java chip products from Tag Systems combine the best features of the GlobalPlatform Card Personalisation Specification (CPS) standards.

They allow the upload of your preferred applications (PKI, Loyalty, Domestic schemes, and others...) during personalization or by using Post Issuance functionality. These applications are developed following the Java standards.

Tag Systems provides consultancy services to assist in the development of Java product applets.

The flexibility of the new flash memory products results in a cost effective open standard based EMV chip product.

Java products are the only solution for the open world within EMV products, both for contact, Dual Interface and other form factors such as Stickers and Wearables.

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## Native

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Tag Systems also provides a variety of Native products that comply with the national needs of certain countries. Native platforms, available in contact and Dual Interface, enable the issuance of SDA / DDA / CDA products based on standard EMV requirements.

# Java

Platform	Authentication mode	EEPROM size	Specifications	EMV applications	Other applications
	SDA	4 - 8K	JavaCard 2.2.2 CPS 1.1	VSDC 2.8.1 t VSDC 2.8.1 f M/Chip 4.1.1b D-PAS 1.1 CPA DPA / CAP	
Contact	DDA / CDA	8 - 40K	JavaCard 2.2.2 / 3.0.4 GP 2.1.1 / 2.2.1 CPS 1.1	VSDC 2.8.1 f VSDC 2.8.1 g VSDC 2.9 M/Chip 4.1.1b M/Chip Advance 1.1 M/Chip Advance 1.2 CPA D-PAS 1.1 AEPS 4.2 DPA / CAP	PKI  Load of applications
Dual Interface Stickers Wearables	DDA / CDA	8 - 81K	JavaCard 2.2.2 / 3.0.4 GP 2.1.1 / 2.2.1 VCPS 2.1.1 / 2.1.2 CPS 1.1	VSDC 2.8.1 f VSDC 2.8.1 f 1 VSDC 2.9 M/Chip Advance 1.1 M/Chip Advance 1.2 Interac 1.5 D-PAS 1.1 D-PAS 2.0 AEPS 4.2 / EP2.0 DPA / CAP	PKI  MIFARE® Classic MIFARE® DESFire®

# Native

Platform	Authentication mode	EEPROM size	Specifications	EMV applications	Other applications
Contact	SDA / DDA / CDA	4 - 26K		VIS 1.5.3 VIS 1.5.4 M/Chip 4.1.1b M/Chip Advance 1.1	PKI E-purse Loyalty
Dual Interface	DDA / CDA	6 - 22K	VCPS 2.1.2	VIS 1.5.4 VCPS 2.1.2 M/Chip 4 PayPass M/Chip Advance 1.1 DPA / CAP	PKI E-purse Loyalty MIFARE® Classic

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