

NXP J3H145 Dual Interface Java card - 144k



The J3H145 from NXP is a dual interface Java card with 144k of EEPROM memory. Designed with dual interface functionality. This Java card features fast contactless communication and up-to-date cryptography standards, extending to 4096 bit RSA keys.

The J3H is an implementation of Java Card 3.0.4 (JCOP v3) and GP2.2.1. It is ISO7816 and ISO14443 compliant and configured to use Global Secure Channel Protocol 03 (SCP03) and default Global Platform keys. The J3H145 is based on the SmartMX2 SECID P60 secure microcontroller chip which is FIPS 140-2 compliant and conforms to Common Criteria EAL4+.

Plain white cards. This card cannot be SIM cut.

**Dual-interface programmable Java card with 144k on-board storage. Supports RSA keys up to 4096 bits.**

To buy, visit:

<https://www.smartcardfocus.com/shop/ilp/id~879/p/index.shtml>

This Product Briefing has been produced by Dot Origin Ltd, the smart card experts behind SmartcardFocus.com. If you have a query email [sales@smartcardfocus.com](mailto:sales@smartcardfocus.com) or call us on +44 (0)1428 685250.

## **Technical Specifications**

Memory: 144kB EEPROM (132kB available for user)

Cryptographic algorithms: RSA up to 4096 bits; AES up to 256 bits; SHA-1, SHA-224, SHA-256, SHA-384, SHA-512; 3DES; Elliptic curve cryptography 160 to 521 bits.

Secure channel protocol: SCP03

Card interfaces: ISO 7816 T=0 or T=1 protocol\* ; ISO 14443 A contactless interface  
(\*:Current stock at July 2023 supports ATR T=1 and T=15. Let us know if this is important for your application, as batches may vary.)

Communication speeds: up to 848 kbit/s

## **Compliance / Certification**

ISO 7816, ISO14443, FIPS 140-2, SCP03

Manufacturer's part number: NXP SmartMX2 SECID P60D144

**Manufacturer:** NXP