

Keyscan MIFARE® DESFire® EV2 SMARTCARD

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The MIFARE® DESFire® EV2 contactless credential delivers high security with a good balance of speed, performance and cost efficiency.

Ideal for high security applications, DESFire® EV2 credential application functions with Keyscan K-SMART3 reader (Rev 19C or newer).

Designed to help organizations improve their access control security and maximize their credential investment by adding multiple applications, these secure smart card products address the emerging requirements for modern access control technology.

With more advanced features, MIFARE DESFire EV2 cards are designed for diverse applications that demand the highest levels of security, including access control and biometric identification.

Key Benefits

- **High Security:** mutual 3-pass authentication, AES 128, DES and triple-DES data encryption with a unique 56-bit serial number.
- **Functionality:** Perfect for multi-functional memory applications.
- **Transition Solution:** Add a high-security smart card application to legacy access control systems.
- **Customization:** can be used with all direct image and thermal transfer printers.

The DESFire EV2 is based on open global standards for interface and cryptographic methods. It is compliant to all 4 levels of ISO/IEC 14443A and uses optional ISO/IEC 7816-4 commands.

DESFire EV2 Credential Types

K-CSC-2	Contactless 13.56MHz smartcard card (clamshell)
K-CSM-2P	Composite 13.56-MHz Mifare DESFire® EV2 2K smartcard
K-CSK-2	13.56-MHz Mifare DESFire® EV2 Fob
K-DE2-125	Composite dual 13.56-MHz Mifare DESFire® EV2 2K smartcard & 125 kHz proximity
K-TX2-EV2	4- button wireless transmitter with 13.56-MHz Mifare DESFire® EV2

Specifications

Technology	Smartcard
Frequency	13.56 MHz (dual 13.56MHz + 125 kHz proximity DE2-125)
Reader support	Keyscan K-SMART3 Series (REV 19C or newer); (K-Prox3 and other select 125 kHz - DE2-125 only)
Operation	Passive (no battery)
Formats	Keyscan 36 bit (and other formats) available
Material	Composite PET plastic
Color	Glossy white
Slot punch	Vertical and horizontal indicators
Markings	Date code and ID
Imaging	Supports dye sublimation imaging and customized printing ¹
Read Range	Up to 2.5" (64 mm)
Outputs	Multi-application capable
Warranty	One year
Dimensions	2.1" W . 3.4" H . 0.031" D (53 mm . 86 mm . 0.79 mm)
Weight	0.23 oz (6.4 g)
Operating temp	-31° F to 158° F (-35° C to +70° C)
Humidity	0-95% non-condensing
Memory	2-Kbyte EEPROM with fast programming
ISO standards	Technology: ISO 14443; Size: ISO 7810

¹ Verify the printer (or overlay) supports credential type/thickness.

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dormakaba USA Inc.
6161 E. 75th Street
Indianapolis, IN 46250
T: 1 888 539-7226

www.dormakaba.us

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