



The IB47 is a heavy duty **MIFARE DESFire 4k Tag**.

No Card number printed on the Tag.

The main characteristics of this credential are denoted by its name

"DESFire": DES indicates the high level of security using a 3DES or AES hardware cryptographic engine for confidentiality and integrity protection of the transmission data. FIRE indicates its outstanding position as a Fast, Innovative, Reliable and Secure IC in the contactless proximity transaction market.

Smart cards offer a high level of security and provide the advantage of being multi-purpose. They function as proximity access cards, but since they can store much more information they can also be used as cash cards at company restaurants or vending machines, for example.

Compared to previous versions, the MIFARE DESFire EV3 chip can hold as many different applications as the memory size supports and offers a significant increase in operating distance and speed. MIFARE DESFire EV3 delivers the perfect balance of speed, performance and cost efficiency.

Installers can benefit from a secure card technology that can provide even more functionality and protection when used with Vanderbilt VR series card readers.

Key Features

- MIFARE DESFire EV3 Heavy Duty droplet-shaped tag.
- Contactless multi-application smart card compliant with SO/IEC 14443-2/3 A.
- Backward compatibility mode to MIFARE DESFire EV1.
- **Flexible key management** – 1 card master key and up to 14 keys per application.
- **Proven, Reliable Technology** – Offers improved read range from previous generations.
- **Heavy Duty** – Extra durable, resistant to cracking and breaking.

Recommended Accessories

Type	Art. No.	Description
Reader	V54504-F101-A100	VR10S-MF MIFARE EV1 card reader
Reader	V54504-F102-A100	VR40S-MF MIFARE EV1 reader + keypad
Reader	V54504-F111-A100	VR20M-MF MIFARE EV1 Mullion reader
Reader	V54504-F112-A100	VR50M-MF MIFARE EV1 Mullion + keypad
Encoder Kit	V54504-S101-A100	3CT-kit Configuration Card Creation KIT

Technical Data	
Power And Mechanical	
Dimensions (W x H x D)	30 x 45 x 1,7mm
General	
Color	Black
Compatibility	Backwards Compatible to MIFARE DESFire EV1 and EV2
Delivery unit	10
Form factor	Droplet
Format	MIFARE DESFire EV3
Frequency	13,56 MHz
Magnetic strip	No
Marking, Printable & Slot punch	No, Yes, No
Memory size	4kB EEPROM (non-volatile)
Relative humidity	5-95% Non-condensing
Weight	0.03kg