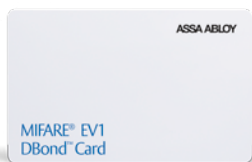


# ISO Card MIFARE® Classic EV1 DBond™

ASSA ABLOY

SOKYMAT.COM

The global leader  
in door opening solutions



## ISO CARDS WITH INNOVATIVE DBOND™ TECHNOLOGY COMBINE ROBUSTNESS WITH EXCELLENT PRINTABILITY.

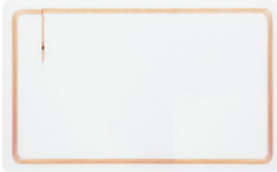
- **Perfectly Flat** – For trouble-free direct to card printing
- **Advanced Technology** – Highly durable antenna connection to resist bending
- **High-performance** – Copper wire antenna - the best choice in performance

Highly durable ISO Card with patented direct bonding (DBond™) technology solving the demand of modern applications for reliable function and excellent performance. Billions of MIFARE® based ISO cards are deployed around the world for applications including; customer loyalty cards to access controls or closed loop payments. Sokymat's expertise exceeds ISO card requirements.

With patented DBond™ technology, the advanced micro design of the chip provides the ideal card surface for a smooth seamless printing with excellent results. The high performing copper wire antenna is directly welded to the chip eliminating the need for a bulky chip module. Printing is perfect and

reliable using DTC printers. Additionally, mechanical robustness of the RFID components using fewer internal antenna connections and no risk for module cracks when the card is bent.

Cards can be made from a choice of materials ranging from standard PVC over composite to high-end polycarbonate materials for increased temperature resistance and durability. Cards may be delivered blank-white for later personalization with printers or already be delivered pre-printed with high-quality offset or silk-screen printing. Optionally, features like holograms, micro-text, security inks, custom magnetic stripes, thermo-rewriteable areas and many more may be included on a card.



ISO cards with DBond™ Technology (above) are more robust and better printable than traditional module technology (below)

#### TECHNOLOGY HIGHLIGHTS:

- Direct bonding of chip to antenna
- HF 13.56 MHz with ISO/IEC 14443A
- User Memory 768 bytes
- Perfectly flat surface for excellent DTC printability
- Reduced crack risk on card bending

#### APPLICATION AREAS:

ASSA ABLOY ISO Cards are used in a wide variety of applications. They are effective for managing physical access, time and attendance, and logical access as well as providing a convenient method for cashless payment including automatic fare collection, loyalty programs, point-of-sale etc.

## SPECIFICATIONS

ISO CARD MIFARE EV1 1K 4BNUID DBOND	
	<b>HF</b>
<b>Base Model Number</b>	0501600600
ELECTRONIC	
<b>Operating Frequency</b>	13.56 MHz
<b>Chip Type</b>	MIFARE Classic EV1 1K 4Bytes non-UID
<b>Memory</b>	1 kBytes
<b>Anti-Collision</b>	Yes
PHYSICAL	
<b>Dimensions</b>	3.4 x 2.1 x 0.03 in (85.6 x 54 x 0.76 mm)
<b>Housing Material</b>	PVC
<b>Color</b>	White
CHEMICAL AND MECHANICAL RESISTANCE	
<b>Water</b>	IP68, 68° F (20° C), 3.3 ft (1 m) x 24 h
<b>Withstands Exposure To</b>	Acetic acid water, artificial perspiration, carbonated sodium water, ethylene glycol, fuel B, salt mist, salt water, sugared water; humidity 95% at 122° F (50° C) 24 h
<b>Force</b>	Dynamic bending and torsion, 4 x 250 bends
THERMAL	
<b>Storage</b>	-31° to +122° F (-35° to +50° C)
<b>Operating</b>	-31° to +122° F (-35° to +50° C)
<b>Shock/Fatigue</b>	-31° to +176° F (-35° to +80° C) 50 cycles, 5 min soaking time, with 1 min transition
OTHER	
<b>Standards</b>	ISO 7810, ISO 7816, ISO 14443A
<b>OPTIONS</b>	Encoding, laser engraving, custom embossed logo, alternate colors
<b>Box Size</b>	2000 pcs
<b>Warranty</b>	1 Year



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